

TEST PROBES

Equip-Test has its headquarters in the metropolitan area of Budapest Hungary in Central Europe, and is a global player in regard to testing and measurement. Constant investments in our R&D department and internal laboratory as well as in our extensive high-tech production and manufacturing facilities lead us to a well-known brand. Our well-trained and loyal staff, offers full support to our customers and are the backbone of our success.

Quality Assurance

Equip-Test runs the business using state-of-the-art ERP and CRM solutions. Everything we do complies with the latest quality assurance regulations of ISO9001 as well as with ISO 14001 – the so-called “GREEN” certificate. Our company is certified annually by the DEKRA Germany.

Test Equipment

Our Test Equipment department offers complete one-stop solutions for most PCB-based electrical test-related demands. We provide everything from all different types of spring-loaded Test Probes and Bare-board Probes through to ICT and Special Test Fixtures and also ICT Test Systems with complete Test Application Programs. In our test equipment products we also implement ISP (In-system Programmers), Interface Solutions and also other related products such as LED measurement, Pneumatic side-contacting Units. Customized Cable Harnesses and Cable Harness Test Systems are also available. Our strength lies in our ergonomically designed and functionally well thought-through products with high value-added engineering and our extensive after-sales technical support worldwide.

Test Probes

Test Probes provide the vital link to transfer measurement signals as true and as undistorted as possible. Therefore these elements can be regarded as the heart of Test Fixtures - and for this very reason it is important for **Equip-Test** to offer high-performance Test Probes with best quality and value, and thus ensure maximized ROI (Return of Investment) for our customers.

Test Probes supplied by **Equip-Test** always provide the best-possible available solution for your contacting demands.

Please send your inquiry to:

info@equip-test.com

Our Technical Support Team will then get in touch with you soonest.

Your Equip-Test Support Team!



Catalog for the Electronics Industry

5th Edition 2019



This catalog is a general guide to the products. Buyers and users must decide themselves in regard to the suitability and safety of the products for their applications. No responsibility can be taken from the supplier's side. We reserve right to carry out design and/or material specification changes without prior notice.

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Main Tip Styles and Applications

Main Tip Styles and Applications

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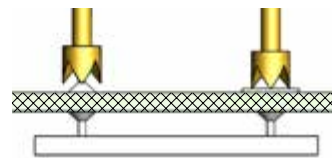
Main Tip Styles and Applications

Crown



CA

4 Point Crown – for Component Pin contacting

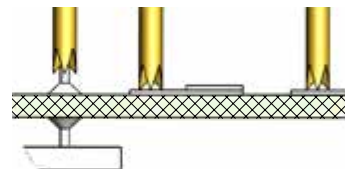


Crown



CC

4 Point Crown – Self Cleaning Tip for Component Pin contacting

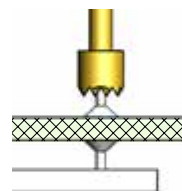


Crown



CG

Multi – Point Serrated Crown for wide range of applications



Engraver



ER

90° Tri – Sided Tip – for Open Vias and Test Pads

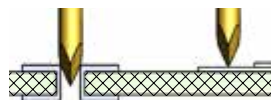


Engraver



EC

Agressive Tri-Sided Tip – Created for Open Vias with 3 contacting edges



Hexagonal



HK

6 Shaped Edges – Excellent for Open Vias applications

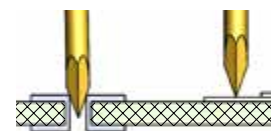


Lead - Free



LA

Agressive Dagger Tip – Perfect for ICT, Open Vias and Testpads

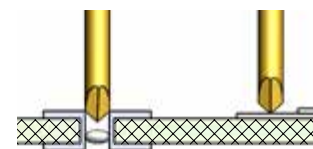


Lead - Free



LB

Passive 4 Sided Dagger Tip – for Plated Open Vias



Lead - Free



LK

Passive 90° Tip – Used to test on Open Vias and Sealing Lacque

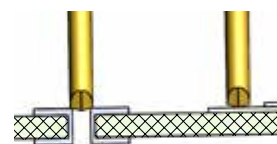


Lead - Free



LH

Special Tip 150 ° angle - for Lead-free Open Vias and Pads



Lead - Free



LM

3 Points Agressive Contact – Self Cleaning contact for Lead - Free Applications

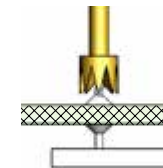


Spider



SG

8 Blade Tip – Suitable for contaminated pin contacting



Spider



SD

6 Points plus 1 Middle Point – Universal Usage for test points

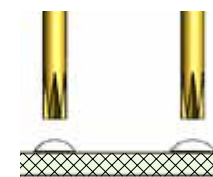


Spider



SO

6 Blade Tip – Bead contacting and Self Cleaning design

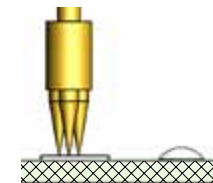


Peaked



PA

Agressive Tri Needle Tip – Ideal solutions for contaminated PCBs

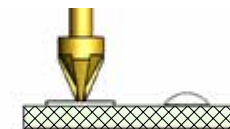


Peaked



PC

3 Finger Tip – Unwashed PCBs and contaminated Test Points – Self Cleaning



Round



RA

Classic Passive Tip – leaves No Mark after test on Test Pads

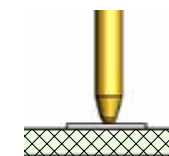


Round



RC

Medium Passive Tip – leaves No Mark on Test Pads

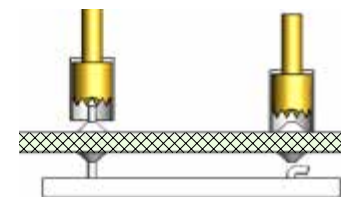


Detector



DC

Plastic Cup around Serrated Crown– Designed for Component Presence Check



Flat



FA

Passive Tip with smooth surface – No Mark after Test on Test Pads



Main Tip Styles and Applications

Tapered



TA

Passive Tip with Inverse Cone - Perfect for Wire - Wrap Posts & Connector Pins

Tapered



TB

Rigid Inverse Cone - Designed for Component & Wire - Wrap Pin contacting

Unicorn



UB

30° Angled Medium Aggressive Tip - for Test Pads

Unicorn



UE

90° Conical Tip - for Plated Open Vias - No mark after test on Open Vias

Unicorn



UH

Extremely Aggressive but very stable Tip - perfect choice for contaminated PCBs

Unicorn



UL

Unicorn - very stable Tip Style - Recommended for Copper and Solder Pads

Test Probe Hitting Accuracy

Test Probe Hitting Accuracy depends on several things at the same time. In general it is influenced by the following factors:

1. Test Fixture Probe Plate Drilling Accuracy
2. Test Fixture Guiding Accuracy
3. Tolerance of Sockets / Receptacles
4. Wobbling Effect of Test Probe's Plungers

In general we can say that our Test Probes Hitting Accuracy is between 0.01 - 0.08 mm, depending on actual application, and plunger design and tip style.

There are two types of plunger designs inside of a barrel, which influences the Hitting Accuracy of Test Probes.

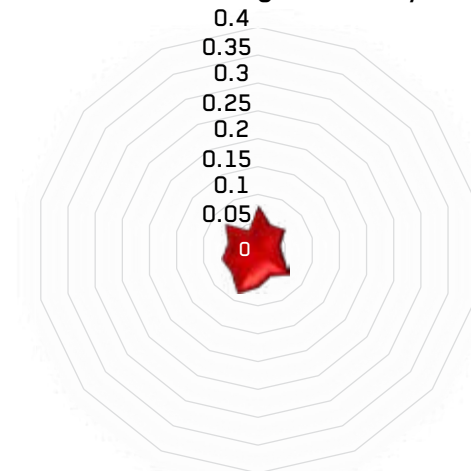
One is a single guided and the other is a double guided type. Double guiding gives more precise hitting accuracy.

As shown on a graphic next, Hitting Accuracy and Plunger Wobbling drawings speak for itself.

For more information, please contact us at:
info@equip-test.com



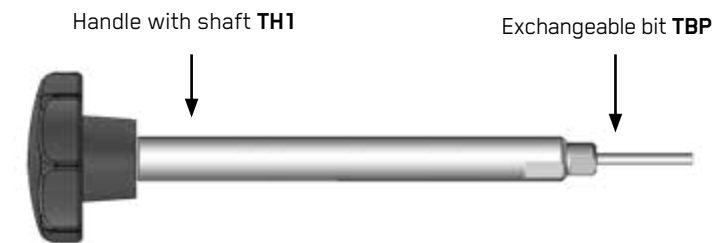
Test Point Hitting Accuracy (mm)



OVERVIEW

Insertion / Extraction Tools

Insertion - Extraction Tools for Test Probes



Universal Test Probe Insertion - Extraction Complete Tool - TSP

Consists:

- Sturdy and reliable **Handle TH1**
- Precisely manufactured Exchangeable Bit - **TBP**

Following **Bit Types** can be ordered:



PRESSING BIT

Universal and economic insertion solution with sturdy plastic apex suitable for various Tip Styles.*



TUBE BIT

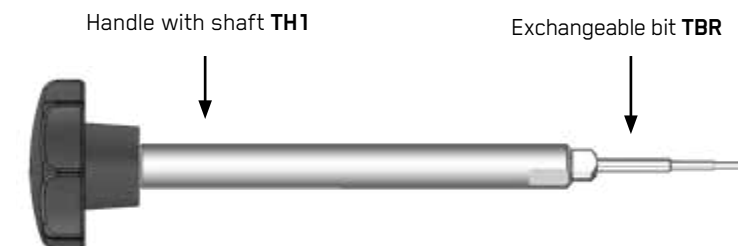
Applicable for Test Probes insertion when Tip Diameter not Wider than Probe Plunger Diameter. Different sizes are available.*



FORKHEAD BIT

Applicable for insertion and extraction when Test Probe Tip Diameter is bigger than plunger shaft. Different sizes are available.*

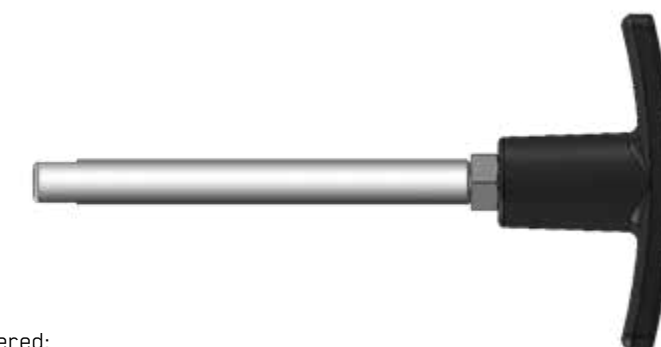
Insertion - Extraction Tools for Sockets / Receptacles



Universal Sockets / Receptacles Insertion Complete Tool - TSR

Consists:

- Sturdy and reliable **Handle TH1** for insertion / extraction and **Handle TH2** for extraction bits.
- Precisely manufactured Exchangeable Bit - **TBR**



Extraction Tool Handle **TH2**

Following **Bit Types** can be ordered:



PRESSING BIT

Universal and economic insertion solution with sturdy plastic apex suitable for various Sockets / Receptacles.*



CUSTOMIZED PRESSING BIT

Precisely manufactured solution with sturdy, hardened apex suitable for various Sockets / Receptacles. Different sizes are available.*



SCREW IN TYPE EXTRACTION BIT

Precisely manufactured tool with sturdy, hardened cutting edges. Suitable to remove inserted Sockets / Receptacles from probe plate.

* The above entered dimensions for the tools are only for demonstration purposes, and highlight the main dimensions. The exact dimensions may vary from series to series and with different bit types. For confirmation of exact dimensions please contact us at: info@equip-test.com

Standard Test Probe Insertion / Extraction Tools

Standard Test Probe Insertion / Extraction Tools

Insertion / Extraction Tools

Probe Series	Insertion Set for Probes	Handle for Insertion Tool	Insertion Bit for Probes	Insertion Set for Probes	Handle for Insertion Tool	Insertion Bit for Probes	Insertion and Extraction Set for Probes	Handle for Extraction Tool	Insertion and Extraction Bit for Probes	Max. Tip Diameter [mm/inch]
LF1000	TSP10000	TH1	TBP10000	TSP10035	TH1	TBP10035	TSP10070	TH1	TBP10070	2.00/0.079
LF1006	TSP10000	TH1	TBP10000	TSP10035	TH1	TBP10035	TSP10070	TH1	TBP10070	2.00/0.079
LF750	TSP7500	TH1	TBP7500	TSP7535	TH1	TBP7535	TSP7570	TH1	TBP7570	1.50/0.059
LF753	TSP7500	TH1	TBP7500	TSP7535	TH1	TBP7535	TSP7570	TH1	TBP7570	1.50/0.059
LF500	TSP7500	TH1	TBP7500	TSP5035	TH1	TBP5035	TSP5070	TH1	TBP5070	0.90/0.035
LF501	TSP7500	TH1	TBP7500	TSP5035	TH1	TBP5035	TSP5070	TH1	TBP5070	0.90/0.035
LF400	TSP7500	TH1	TBP7500	/	/	/	/	/	/	/
LF401	TSP7500	TH1	TBP7500	/	/	/	/	/	/	/
ST1000	TSP10000	TH1	TBP10000	TSP10035	TH1	TBP10035	TSP10070	TH1	TBP10070	2.00/0.079
ST1001	TSP10000	TH1	TBP10000	TSP10035	TH1	TBP10035	TSP10070	TH1	TBP10070	2.00/0.079
ST1006	TSP10000	TH1	TBP10000	TSP10035	TH1	TBP10035	TSP10070	TH1	TBP10070	2.00/0.079
ST750	TSP7500	TH1	TBP7500	TSP7535	TH1	TBP7535	TSP7570	TH1	TBP7570	1.50/0.059
ST751	TSP7500	TH1	TBP7500	TSP7535	TH1	TBP7535	TSP7570	TH1	TBP7570	1.50/0.059
ST753	TSP7500	TH1	TBP7500	TSP7535	TH1	TBP7535	TSP7570	TH1	TBP7570	1.50/0.059
ST754	TSP7500	TH1	TBP7500	TSP7535	TH1	TBP7535	TSP7570	TH1	TBP7570	1.50/0.059
ST500	TSP7500	TH1	TBP7500	TSP5035	TH1	TBP5035	TSP5070	TH1	TBP5070	0.90/0.035
ST501	TSP7500	TH1	TBP7500	TSP5035	TH1	TBP5035	TSP5070	TH1	TBP5070	0.90/0.035
ST400	TSP7500	TH1	TBP7500	/	/	/	/	/	/	/
ST401	TSP7500	TH1	TBP7500	/	/	/	/	/	/	/
MP3003	TSP7500	TH1	TBP7500	/	/	/	/	/	/	/
ST510	TSP7500	TH1	TBP7500	TSP5035	TH1	TBP5035	TSP5070	TH1	TBP5070	0.90/0.035
ST755	TSP7500	TH1	TBP7500	/	/	/	TSP7570	TH1	TBP7570	1.50/0.059
ST1011	TSP10000	TH1	TBP10000	TSP10035	TH1	TBP10035	TSP10070	TH1	TBP10070	2.00/0.079
ST1020	TSP10000	TH1	TBP10000	/	/	/	TSP10070	TH1	TBP10070	2.00/0.079
ST1023	TSP10000	TH1	TBP10000	/	/	/	TSP10070	TH1	TBP10070	2.00/0.079
ST1028	TSP10000	TH1	TBP10000	/	/	/	TSP10070	TH1	TBP10070	2.00/0.079
ST1030	TSP10000	TH1	TBP10000	TSP10035	TH1	TBP10035	TSP10070	TH1	TBP10070	2.00/0.079
ST1013	TSP10000	TH1	TBP10000	TSP11835	TH1	TBP11835	TSP11870	TH1	TBP11870	2.20/0.086
ST1014	TSP10000	TH1	TBP10000	/	/	/	TSP11870	TH1	TBP11870	2.20/0.086
ST1015	TSP10000	TH1	TBP10000	/	/	/	TSP11870	TH1	TBP11870	2.20/0.086
ST1016	TSP10000	TH1	TBP10000	TSP11835	TH1	TBP11835	TSP11870	TH1	TBP11870	2.20/0.086
ST1018	TSP10000	TH1	TBP10000	TSP11835	TH1	TBP11835	TSP11870	TH1	TBP11870	2.20/0.086
ST1019	TSP10000	TH1	TBP10000	TSP11835	TH1	TBP11835	TSP11870	TH1	TBP11870	2.20/0.086
ST1034	TSP10000	TH1	TBP10000	TSP11835	TH1	TBP11835	TSP11870	TH1	TBP11870	2.20/0.086
ST1036	TSP10000	TH1	TBP10000	/	/	/	TSP10070	TH1	TBP10070	2.00/0.079
ST1250	TSP10000	TH1	TBP10000	/	/	/	TSP12570	TH1	TBP12570	2.50/0.098
ST1608	TSP16000	TH1	TBP16000	TSP16035	TH1	TBP16035	TSP16070	TH1	TBP16070	3.50/0.138
ST1609	TSP16000	TH1	TBP16000	TSP16035	TH1	TBP16035	TSP16070	TH1	TBP16070	3.50/0.138
ST1615	TSP16000	TH1	TBP16000	/	/	/	TSP16070	TH1	TBP16070	3.50/0.138
ST1616	TSP16000	TH1	TBP16000	TSP16035	TH1	TBP16035	TSP16070	TH1	TBP16070	3.50/0.138
ST1800	TSP20000	TH1	TBP20000	TSP18735	TH1	TBP18735	TSP18770	TH1	TBP18770	4.00/0.157
ST1870	TSP20000	TH1	TBP20000	TSP18736	TH1	TBP18736	TSP18771	TH1	TBP18771	4.00/0.157
IT1000	TSP10000	TH1	TBP10000	TSP10035	TH1	TBP10035	TSP10070	TH1	TBP10070	2.00/0.079
BIT1000	TSP10000	TH1	TBP10000	TSP10035	TH1	TBP10035	TSP10070	TH1	TBP10070	2.00/0.079
IT1001	TSP10000	TH1	TBP10000	TSP10035	TH1	TBP10035	TSP10070	TH1	TBP10070	2.00/0.079
BIT1001	TSP10000	TH1	TBP10000	TSP10035	TH1	TBP10035	TSP10070	TH1	TBP10070	2.00/0.079
IT1002	TSP10000	TH1	TBP10000	/	/	/	TSP10070	TH1	TBP10070	2.00/0.079

ACTUAL SIZE



Probe Series	Insertion Set for Probes	Handle for Insertion Tool	Insertion Bit for Probes	Insertion Set for Probes	Handle for Insertion Tool	Insertion Bit for Probes	Insertion and Extraction Set for Probes	Handle for Extraction Tool	Insertion and Extraction Bit for Probes	Max. Tip Diameter [mm/inch]
IT1003	TSP10000	TH1	TBP10000	/	/	/	TSP10070	TH1	TBP10070	2.00/0.079
IT1004	TSP10000	TH1	TBP10000	/	/	/	TSP10071	TH1	TBP10071	3.00/0.118
IT1007	TSP10000	TH1	TBP10000	/	/	/	TSP10070	TH1	TBP10070	2.00/0.079
IT1014	TSP10000	TH1	TBP10000	/	/	/	TSP10070	TH1	TBP10070	2.00/0.079
IT1250	TSP10000	TH1	TBP10000	/	/	/	TSP12571	TH1	TBP12571	2.50/0.0.98
FC1000	TSP10000	TH1	TBP10000	/	/	/	TSP10070	TH1	TBP10070	2.00/0.079
FC1001	TSP10000	TH1	TBP10000	/	/	/	TSP10070	TH1	TBP10070	2.00/0.079
FC1010	TSP10000	TH1	TBP10000	/	/	/	TSP10070	TH1	TBP10070	2.00/0.079
HC1000	TSP10000	TH1	TBP10000	TSP10035	TH1	TBP10035	TSP10070	TH1	TBP10070	2.00/0.079
HC1001	TSP10000	TH1	TBP10000	/	/	/	TSP10070	TH1	TBP10070	2.00/0.079
HC1002	TSP10000	TH1	TBP10000	/	/	/	TSP10070	TH1	TBP10070	2.00/0.079
HC1003	TSP10000	TH1	TBP10000	/	/	/	TSP10070	TH1	TBP10070	2.00/0.079
HC1004	TSP10000	TH1	TBP10000	/	/	/	TSP10070	TH1	TBP10070	2.00/0.079
HC1005	TSP10000	TH1	TBP10000	/	/	/	TSP10070	TH1	TBP10070	2.00/0.079
HC1007	TSP10000	TH1	TBP10000	/	/	/	TSP10070	TH1	TBP10070	2.00/0.079
HC1008	TSP10000	TH1	TBP10000	/	/	/	TSP10070	TH1	TBP10070	2.00/0.079
HC1033	TSP10000	TH1	TBP10000	/	/	/	TSP10070	TH1	TBP10070	2.00/0.079
HC1600	TSP16000	TH1	TBP16000	/	/	/	TSP16070	TH1	TBP16070	3.50/0.138
HC1601	TSP16000	TH1	TBP16000	/	/	/	TSP16070	TH1	TBP16070	3.50/0.138
HC1602	TSP16000	TH1	TBP16000	/	/	/	TSP16070	TH1	TBP16070	3.50/0.138
HC1608	TSP16000	TH1	TBP16000	/	/	/	TSP16070	TH1	TBP16070	3.50/0.138
HC2000	TSP20000	TH1	TBP20000	/	/	/	TSP20070	TH1	TBP20070	4.00/0.157
HC2001	TSP20000	TH1	TBP20000	/	/	/	TSP20070	TH1	TBP20070	4.00/0.157
SW750	TSP7500	TH1	TBP7500	/	/	/	TSP7570	TH1	TBP7570	1.50/0.059
SW1000	TSP10000	TH1	TBP10000	TSP10035	TH1	TBP10035	TSP10070	TH1	TBP10070	2.00/0.079
SW1001	TSP10000	TH1	TBP10000	TSP10035	TH1	TBP10035	TSP10070	TH1	TBP10070	2.00/0.079
SW1002	TSP10000	TH1	TBP10000	TSP10035	TH1	TBP10035	TSP10070	TH1	TBP10070	2.00/0.079
SW1400	TSP16000	TH1	TBP16000	TSP16035	TH1	TBP16035	TSP14070	TH1	TBP14070	3.00/0.118
SW01400	TSP16000	TH1	TBP16000	/	/	/	TSP14070	TH1	TBP14070	3.00/0.118
NRSW1400	TSP16000	TH1	TBP16000	TSP16035	TH1	TBP16035	TSP14070	TH1	TBP14070	3.00/0.118
PN1000	TSP10000	TH1	TBP10000	/	/	/	/	/	/	/
PN1001	TSP10000	TH1	TBP10000	/	/	/	/	/	/	/
PN1002	TSP10000	TH1	TBP10000	/	/	/	/	/	/	/
PN1003	TSP10000	TH1	TBP10000	/	/	/	/	/	/	/
PN1401	TSP16000	TH1	TBP16000	/	/	/	/	/	/	/
PN1402	TSP16000	TH1	TBP16000	/	/	/	/	/	/	/
BP1000	TSP10000	TH1	TBP10000	TSP10036	TH1	TBP10036	TSP11870	TH1	TBP11870	2.20/0.086
BP1002	TSP10000	TH1	TBP10000	TSP10036	TH1	TBP10036	TSP10070	TH1	TBP10070	2.00/0.079
BP1003	TSP10000	TH1	TBP10000	/	/	/	/	/	/	/
BP1004	TSP10000	TH1	TBP10000	/	/	/	/	/	/	/
BP1200	TSP10000	TH1	TBP10000	TSP11835	TH1	TBP11835	TSP11870	TH1	TBP11870	2.20/0.086
BP1203	TSP10000	TH1	TBP10000	TSP11835	TH1	TBP11835	TSP11870	TH1	TBP11870	2.20/0.086
BP1601	TSP16000	TH1	TBP16000	/	/	/	TSP16070	TH1	TBP16070	3.50/0.138
BP1602	TSP16000	TH1	TBP16000	/	/	/	TSP16070	TH1	TBP16070	3.50/0.138
BP1604	TSP16000	TH1	TBP16000	/	/	/	TSP16070	TH1	TBP16070	3.50/0.138
BP2601	TSP30000	TH1	TBP75000	TSP25635	TH1	TBP25635	/	/	/	/
KP2560	TSP30000	TH1	TBP75000	/	/	/	TSP25670	TH1	TBP25670	6.00/0.236

ACTUAL SIZE



Insertion / Extraction Tools

Special & Threaded Test Probe Insertion / Extraction Tools

Socket / Receptacle ▪ Insertion / Extraction Tools

Special Test Probe Insertion / Extraction Tools

Probe Series	Insertion Set for Probes	Handle for Insertion Tool	Insertion Bit for Probes	Insertion and Extraction Set for Probes	Handle for Extraction Tool	Insertion and Extraction Bit for Probes	Max. Tip Diameter [mm/inch]
ST1000 CG09	TSP10000	TH1	TBP10000	TSP10071	TH1	TBP10071	3.00/0.118
ST1000 CG010	TSP10000	TH1	TBP10000	TSP10071	TH1	TBP10071	3.00/0.118
ST1000 DC94	TSP10000	TH1	TBP10000	TSP10071	TH1	TBP10071	3.00/0.118
ST1001 DC93	TSP10000	TH1	TBP10000	TSP10071	TH1	TBP10071	3.00/0.118
ST1020 N CG58	TSP10000	TH1	TBP10000	TSP10071	TH1	TBP10071	3.00/0.118
ST1013 R CG58	TSP10000	TH1	TBP10000	TSP12570	TH1	TBP12570	2.50/0.098
ST1013 FA05	TSP10000	TH1	TBP10000	TSP12570	TH1	TBP12570	2.50/0.098
ST1013 TA07	TSP10000	TH1	TBP10000	TSP12570	TH1	TBP12570	2.50/0.098
ST1014 R CG08	TSP10000	TH1	TBP10000	TSP12570	TH1	TBP12570	2.50/0.098
ST1015 R CG08	TSP10000	TH1	TBP10000	TSP12570	TH1	TBP12570	2.50/0.098
ST1016 R CG58	TSP10000	TH1	TBP10000	TSP12570	TH1	TBP12570	2.50/0.098
ST1017 R CG08	TSP10000	TH1	TBP10000	TSP12570	TH1	TBP12570	2.50/0.098
ST1019 ER58	TSP10000	TH1	TBP10000	TSP12570	TH1	TBP12570	2.50/0.098
ST1608 CG58	TSP16000	TH1	TBP16000	TSP18770	TH1	TBP18770	4.00/0.157
ST1609 CG58	TSP16000	TH1	TBP16000	TSP18770	TH1	TBP18770	4.00/0.157
ST1609 TA56	TSP16000	TH1	TBP16000	TSP18770	TH1	TBP18770	4.00/0.157
ST1609 R UB53	TSP16000	TH1	TBP16000	TSP18770	TH1	TBP18770	4.00/0.157
ST1615 CG55	TSP16000	TH1	TBP16000	TSP18770	TH1	TBP18770	4.00/0.157
ST1615 FA85	TSP30000	TH1	TBP75000	TSP16071	TH1	TBP16071	6.50/0.256
ST1616 R CG06	TSP16000	TH1	TBP16000	TSP18770	TH1	TBP18770	4.00/0.157
HC1000 CG07	TSP10000	TH1	TBP10000	TSP10071	TH1	TBP10071	3.00/0.118
HC1001 CG07	TSP10000	TH1	TBP10000	TSP10071	TH1	TBP10071	3.00/0.118
HC1033 CG07	TSP10000	TH1	TBP10000	TSP10071	TH1	TBP10071	3.00/0.118
HC1600 CG05	TSP16000	TH1	TBP16000	TSP18770	TH1	TBP18770	4.00/0.157
HC1602 CG05	TSP16000	TH1	TBP16000	TSP18770	TH1	TBP18770	4.00/0.157
SW1400 IW96	TSP30000	TH1	TBP75000	TSP16071	TH1	TBP16071	6.50/0.256
SW01400 IW94	TSP16000	TH1	TBP16000	TSP16071	TH1	TBP16071	6.50/0.256
SW01400 IW95	TSP30000	TH1	TBP75000	TSP16071	TH1	TBP16071	6.50/0.256
NRSW1400 WD 53	TSP16000	TH1	TBP16000	TSP16071	TH1	TBP16071	6.50/0.256
BP1000 EP03	TSP16000	TH1	TBP16000	TSP10072	TH1	TBP10072	4.00/0.157
BP1000 EP04	TSP16000	TH1	TBP16000	TSP10072	TH1	TBP10072	4.00/0.157
BP1000 EQ03	TSP16000	TH1	TBP16000	TSP10072	TH1	TBP10072	4.00/0.157

Threaded Test Probe Insertion / Extraction Tools

Tool for Test Probes contains: Tool Handle + Exchangeable Bit(s) *			
Tool Handle w. shaft	Bit - for insertion / extraction Max. Tip Diameter [mm/inch]		Bit - for insertion / extraction Max. Tip Diameter [mm/inch]
			
TH3	For KPT2560 Bit is TBT25670		For SWT2560 Bit is TBT30070

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

Socket / Receptacle Insertion / Extraction Tools

Receptacle Series	Insertion Set for Receptacle	Handle for Insertion Tool	Insertion Bit for Receptacle	Extraction Set for Receptacle	Handle for Extraction Tool	Extraction Bit for Receptacle
RCP066	TSR10035	TH1	TBR10035	TSR10070	TH2	TBR10070
RCP052	TSR7535	TH1	TBR7535	TSR7570	TH2	TBR7570
RCP037	TSR5035	TH1	TBR5035	TSR5070	TH2	TBR5070
RCP030	TSR4035	TH1	TBR4035	TSR4070	TH2	TBR4070
RCP021	TSR3035	TH1	TBR3035	/	/	/
RCP034	TSR5036	TH1	TBR5036	TSR5070	TH2	TBR5070
RCP079	TSR10036	TH1	TBR10036	TSR10071	TH2	TBR10071
RCP093	TSR12535	TH1	TBR12535	TSR12570	TH2	TBR12570
RCP118	TSR16035	TH1	TBR16035	TSR16070	TH2	TBR16070
RCP138	TSR16036	TH1	TBR16036	TSR16071	TH2	TBR16071
RCP106	TSR18735	TH1	TBR18735	TSR18770	TH2	TBR18770
RCP139	TSR18736	TH1	TBR18736	TSR16071	TH2	TBR16071
RCP157	TSR20035	TH1	TBR20035	TSR20070	TH2	TBR20070
RCT256	TSR30035	TH1	TBR30035	TSR30070	TH2	TBR30070
RCP094	TSR10037	TH1	TBR10037	TSR12570	TH2	TBR12570
RCP134	TSR14035	TH1	TBR14035	TSR16071	TH2	TBR16071
RCP065U	TSR10035	TH1	TBR10035	TSR10070	TH2	TBR10070
RCP091	TSR12535	TH1	TBR12535	TSR12570	TH2	TBR12570
RCP220	TSR25636	TH1	TBR25636	TSR25671	TH2	TBR25671
RCP185	TSR25635	TH1	TBR25635	TSR25670	TH2	TBR25670
RCP217	TSR25637	TH1	TBR25637	TSR25671	TH2	TBR25671

LF1000

LEAD-FREE TEST PROBES

TIP STYLES

LF1000

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]

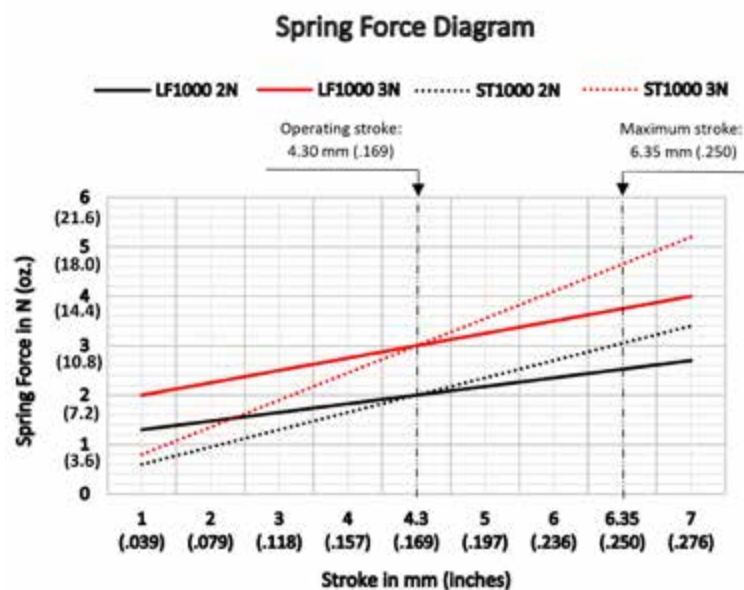
Mounting Hole Size:

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)	lbf
M	2.00	7.2
L	3.00	10.8

Plunger Material	
Code	Material
0	BeCu
5	Steel

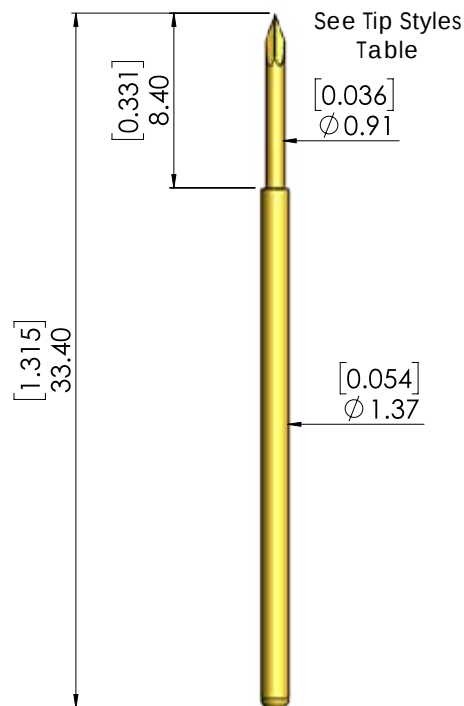
Plunger Plating	
Code	Material
No letter	Hard Gold



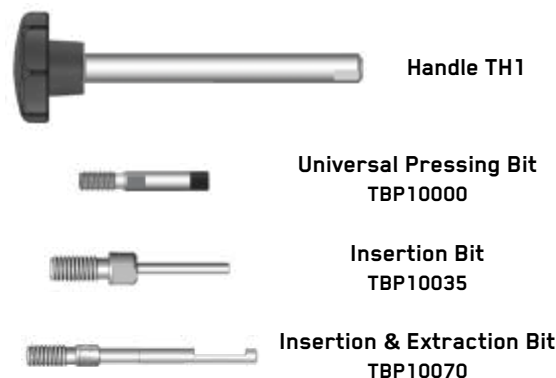
Recommended Socket / Receptacle Series for Lead-free Test Probes LF1000 is RCP066. See Page 25 - 27 for detailed information.

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

LF1000 series Lead-free Test Probes are the ideal choice for contacting problems caused by Lead-free type solder materials. With the special tip styles and combined with a higher pre-load force, this series offers an ideal solution to those test challenges related to Lead-free solder alloys



Tool for LF1000 Series Test Probes Contains:
Tool Handle + Exchangeable Bit(s)
- has to be chosen*



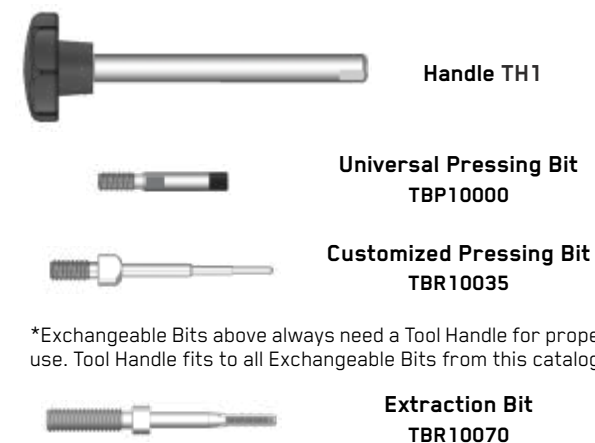
*Exchangeable Bits above always need a Tool Handle for proper use. Tool Handle fits to all Exchangeable Bits from this catalog.

Tip Style	Plunger Material	Tip Diameter Code	Tip Diameter	
			mm	[inches]
	ER	0	6 / SP170/*	1.70 0.067
	LA	5	3	0.91 0.036
	LC	5	3	0.91 0.036
	LF	5	3	0.91 0.036
	UH	5	4	0.91 0.036

*Tip Diameter Code changes according to the Tip Style.

*Special Tip Diameter Code

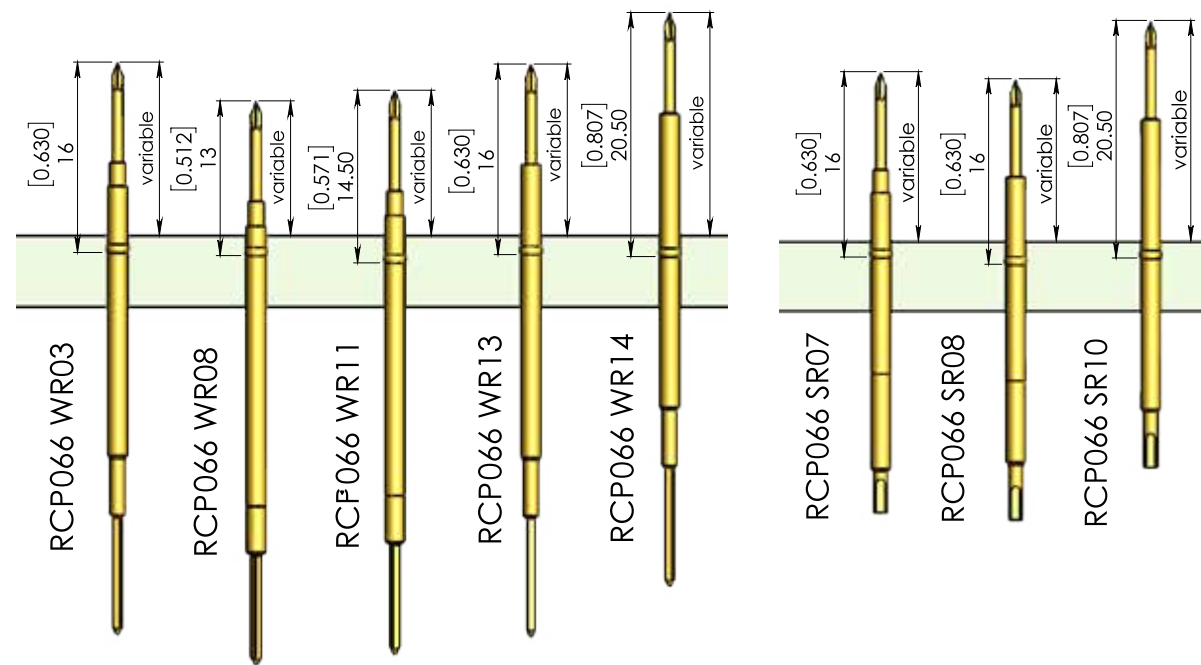
Tool for RCP066 Sockets / Receptacles Contains:
Tool Handle + Exchangeable Bit(s)
- has to be chosen*



*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)

Installation Heights with different Sockets / Receptacles



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

For detailed Sockets / Receptacles for LF1000 See Page 25 - 27.

Test Probes Ordering Code Example							Special Tip Diameter Probes Ordering Code Example						
LF1000	LA	5	3	M			LF1000	ER	5	6	M	SP170	
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.

Socket / Receptacle Ordering Code Example			Socket / Receptacle Plating	
RCP066	WR	03	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.

LF1006

LEAD-FREE TEST PROBES

TIP STYLES

LF1006

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

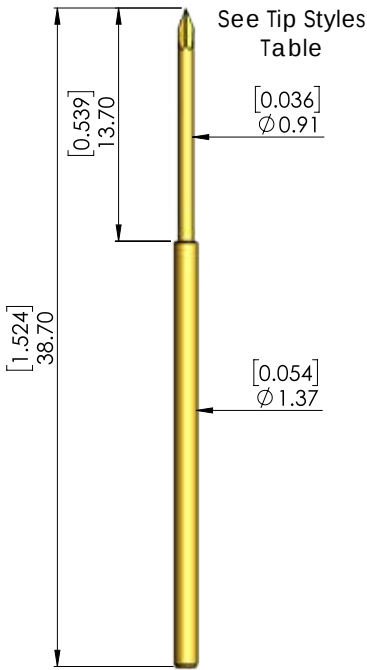
Operating Temperature: - 30 °C up to + 120 °C
[- 22 °F up to + 248 °F]

Mounting Hole Size:

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

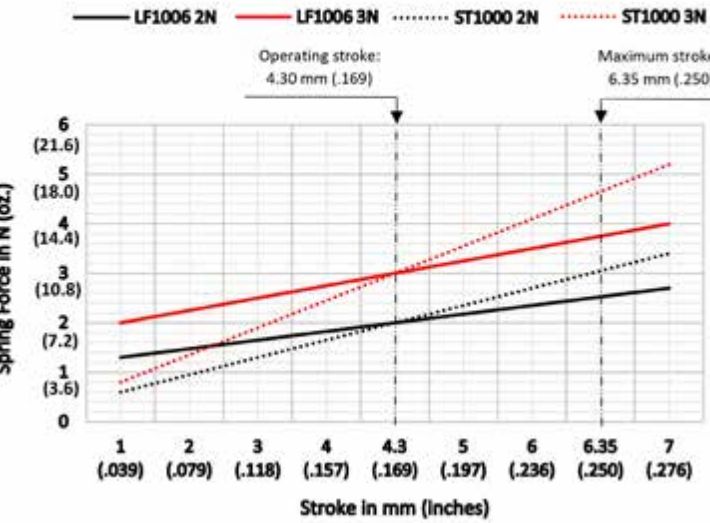
Spring Force at Working Stroke (2/3)		
Code	Rated force (N)	loz
M	2.00	7.2
L	3.00	10.8

Plunger Material	
Code	Material
0	BeCu
5	Steel
Plunger Plating	
Code	Material
No letter	Hard Gold



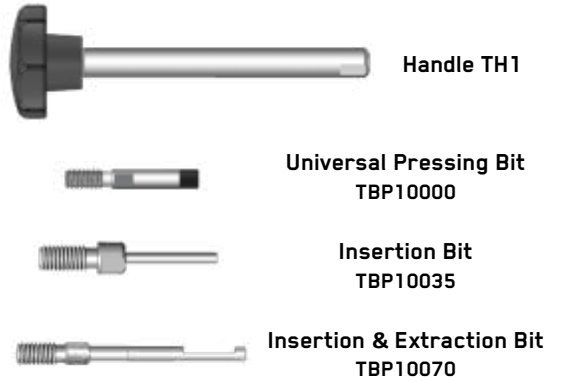
Series LF1006 is a long-stroke version of Lead-free Test Probes series LF1000. Therefore this probe is an excellent choice for usage in so-called „dual-stage“ (i.e. combined ICT and FCT test) Fixtures. Despite the longer stroke the Probe still offers precise hitting accuracy and long-life expectancy.

Spring Force Diagram



*Due to high-preloaded springs the life expectancy of these probes are less, then for standard LF series.

Tool for LF1006 Series Test Probes 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.

Recommended Socket / Receptacle Series for
ICT Test Probes LF1006 is RCP066.
See Page 25 - 27 for detailed information.

Test Probes Ordering Code Example

LF1006 LA 53 N

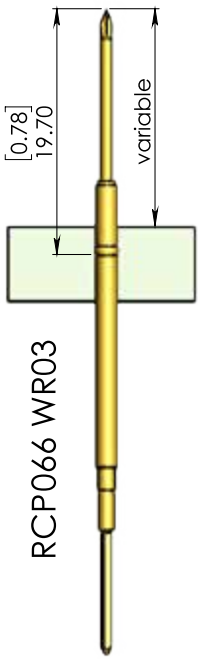
a: Series • b: Plunger Plating • c: Tip Style • d: Plunger Material • e: Tip Diameter Code • f: Spring Force Code • g: Special Tip Diameter [mm x 100]

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!

Socket / Receptacle Ordering Code Example

RCP066 WR03

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 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)

For detailed Sockets / Receptacles for LF1006 See Page 25 - 27.

Socket / Receptacle Plating

Code	Material
No letter	Hard Gold*

LF750

LEAD-FREE TEST PROBES

TIP STYLES

LF750

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

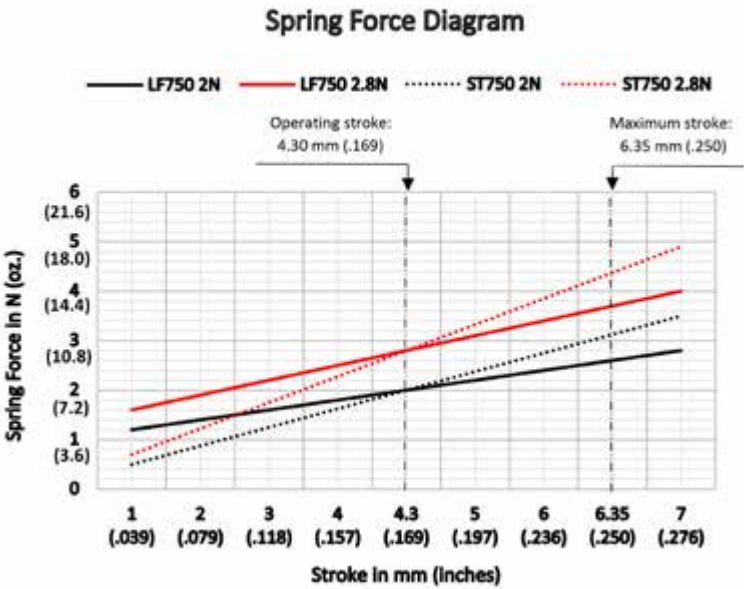
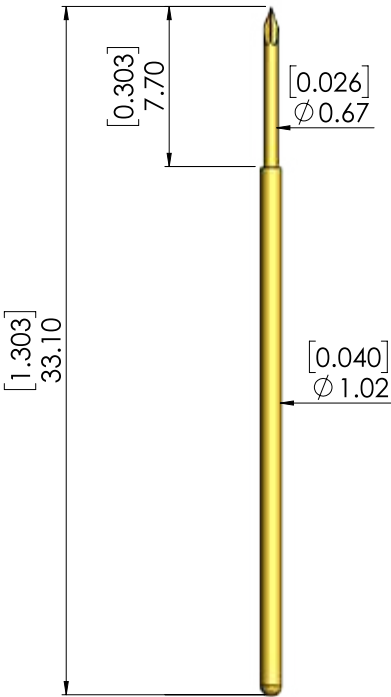
Operating Temperature: - 30 °C up to + 120 °C
[- 22 °F up to + 248 °F]

Mounting Hole Size:

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

Spring Force at Working Stroke (2/3)		
Code	Rated force	
	(N)	[oz]
N	2.00	7.2
NX	2.80	10.1

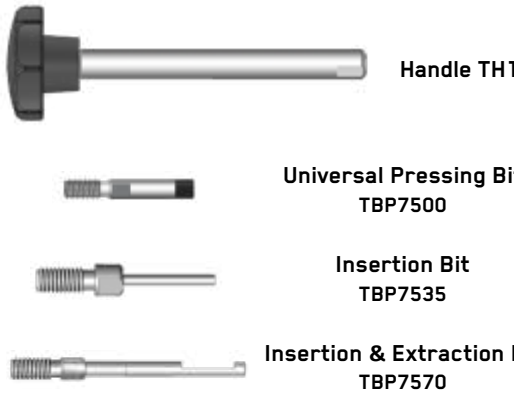
Plunger Material	
Code	Material
5	Steel
Plunger Plating	
Code	Material
No letter	Hard Gold



Recommended Socket / Receptacle Series for Lead-free Test Probes LF750 is RCP052. See Page 35 - 36 for detailed information.

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

Tool for LF750 Series Test Probes 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.

Test Probes Ordering Code Example

LF750 LA 5 4 N g

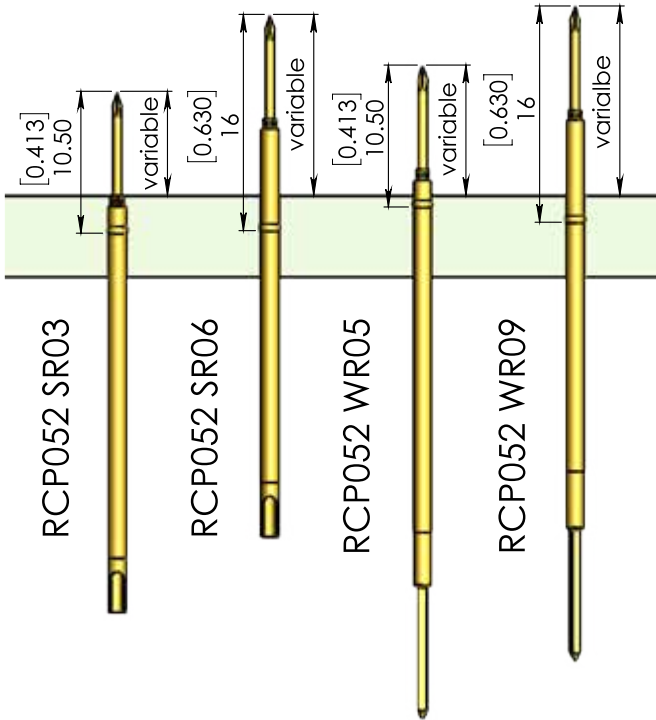
a: Series • b: Plunger Plating • c: Tip Style • d: Plunger Material • e: Tip Diameter Code • f: Spring Force Code • g: Special Tip Diameter [mm x 100]

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]
	CC	5	4	0.67	0.026
	LA	5	4	0.67	0.026
	LC	5	4	0.67	0.026
	LF	5	4	0.67	0.026
	UH	5	4	0.67	0.026

Tip Diameter Code changes according to the Tip Style.

Installation Heights with different Sockets / Receptacles



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

Socket / Receptacle Ordering Code Example

RCP052 WR05

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 RCP052 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 LF750 See Page 35 - 36.

Socket / Receptacle Plating

Code Material
No letter Hard Gold*

LF753

LEAD-FREE TEST PROBES

TIP STYLES

LF753

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]

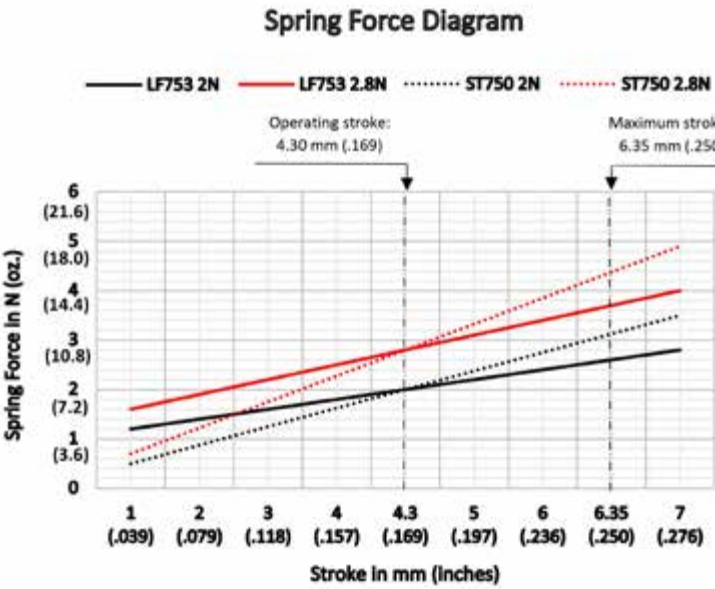
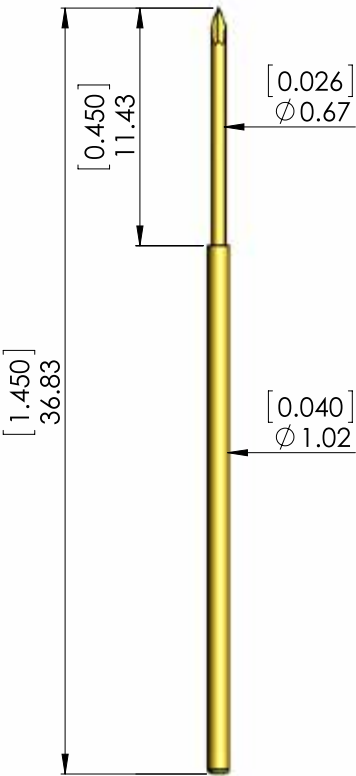
Mounting Hole Size:

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

Spring Force at Working Stroke (2/3)		
Code	Rated force	
	(N)	[oz]
N	2.00	7.2
NX	2.80	10.1

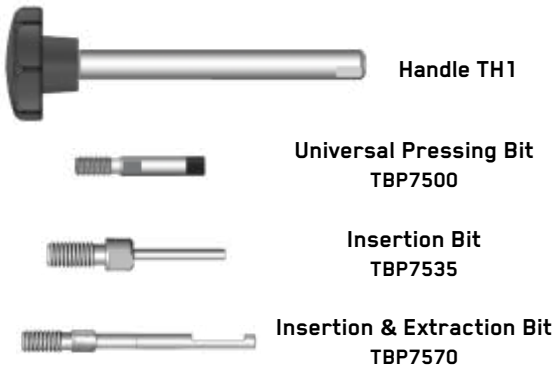
Plunger Material	
Code	Material
5	Steel
Plunger Plating	
Code	Material
No letter	Hard Gold

Series LF753 is a long-stroke version of Lead-free Test Probes series LF750. 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.



*Due to high-preloaded springs the life expectancy of these probes are less, then for standard LF series.

Tool for LF753 Series Test Probes 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.

Test Probes Ordering Code Example

LF753 LA 5 3 N 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]

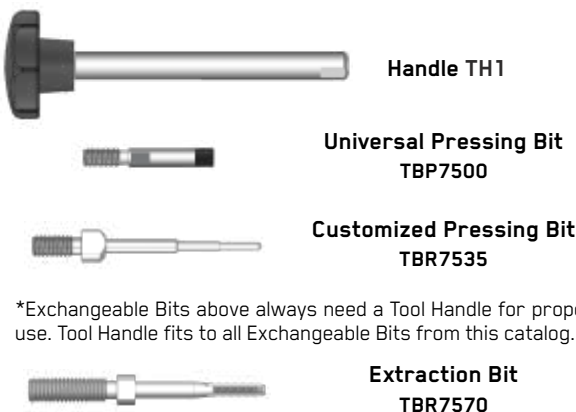
By default Plunger is Hard Gold plated and it is not marked in the PO Code. Fill position b: only if different.

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

Tip Diameter Code changes according to the Tip Style.

*Other Tip Styles available on request.

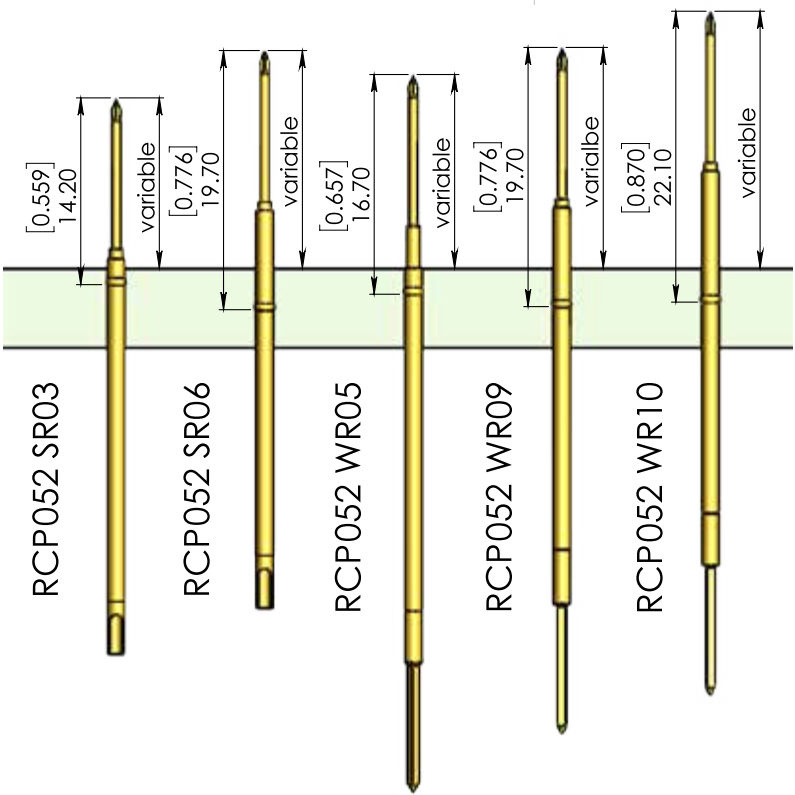
Tool for RCP052 Sockets / Receptacles Contains:
Tool Handle + Exchangeable Bit(s)
- has to be chosen*



*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)

Installation Heights with different Sockets / Receptacles



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

For detailed Sockets / Receptacles for LF753 See Page 35 - 36.

Socket / Receptacle Ordering Code Example

RCP052 WR05

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*

LF500

LEAD-FREE TEST PROBES

TIP STYLES

LF500

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:

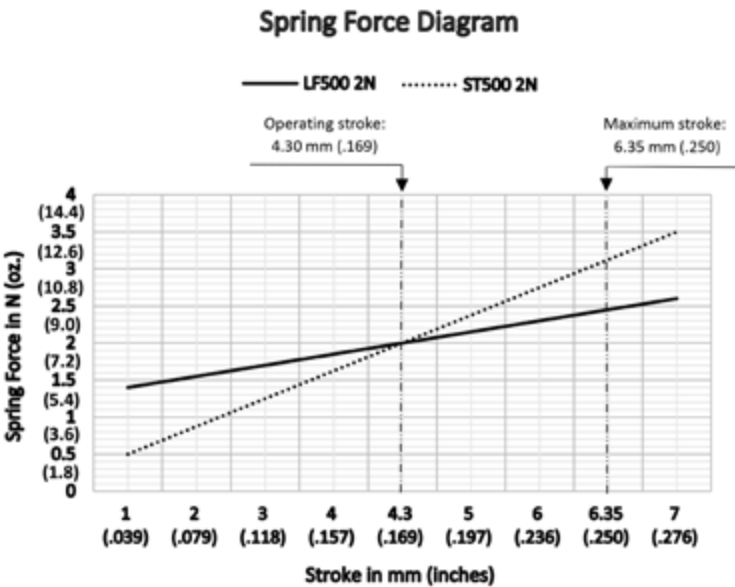
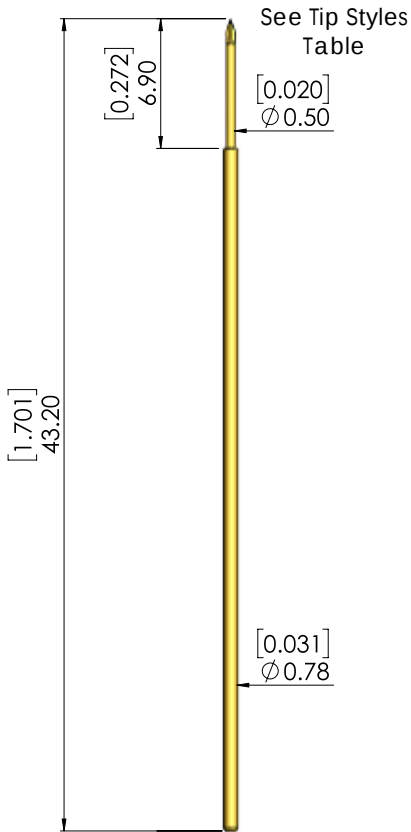
Socket / Receptacle Diameter + 0.01 - 0.03 mm
[0.394 - 1.181 mil] drill bits are recommended.^A

Spring Force at Working Stroke (2/3)		
Code	Rated force	
	(N)	[oz]
N	2.00	7.2

Plunger Material	
Code	Material
5	Steel

Plunger Plating	
Code	Material
No letter	Hard Gold

LF500 series Lead-free Test Probes are the ideal choice for contacting problems caused by Lead-free type solder materials. With the special tip styles and combined with a higher pre-load force, this series offers an ideal solution to those test challenges related to Lead-free solder alloys.



Recommended Socket / Receptacle Series for Lead-free Test Probes LF500 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

Test Probes Ordering Code Example

LF500 LA 5 3 N

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
	ER	5	4	0.90	0.035
	LA	5	3	0.50	0.020
	LC	5	4	0.50	0.020
	LF	5	4	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

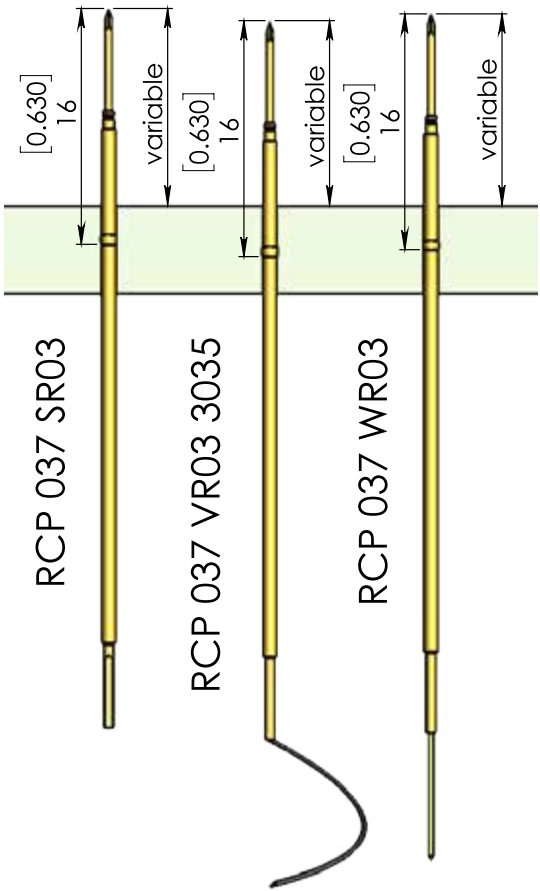
• w1: Wire Diameter • w2: Colour • w3: Length

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	

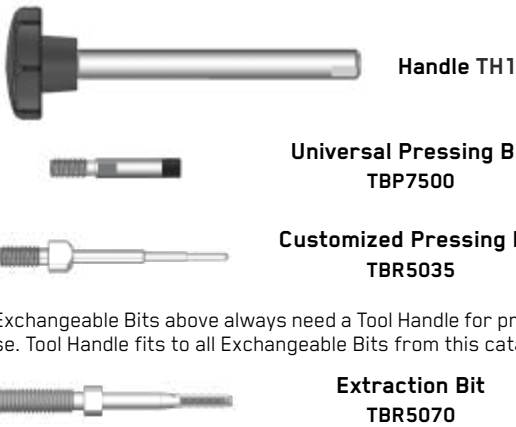
Installation Heights with different Sockets / Receptacles



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

For detailed Sockets / Receptacles for LF500 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)

LF400

LEAD-FREE TEST PROBES

TIP STYLES

LF400

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:

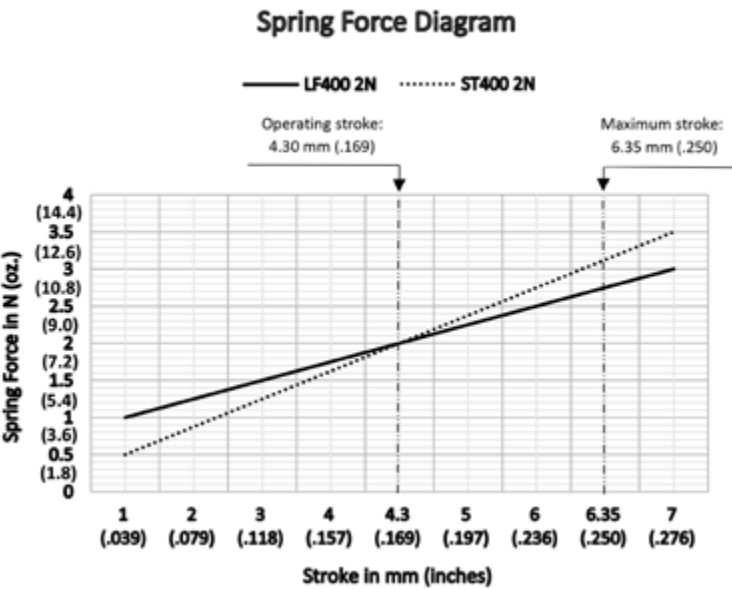
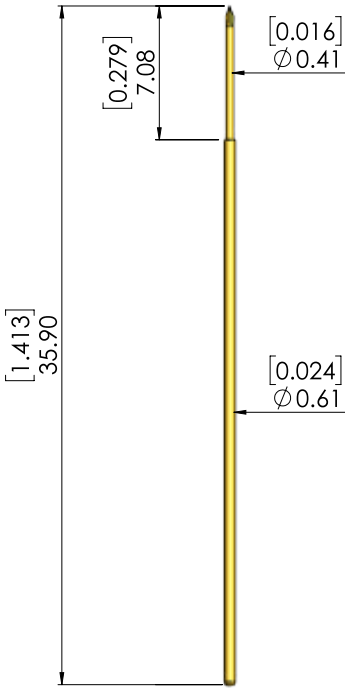
Socket / Receptacle Diameter + 0.01 - 0.03 mm
[0.394 - 1.181 mil] drill bits are recommended.^A

LF400 series Lead-free Test Probes are the ideal choice for contacting problems caused by Lead-free type solder materials. With the special tip styles and combined with a higher pre-load force, this series offers an ideal solution to those test challenges related to Lead-free solder alloys.

Spring Force at Working Stroke (2/3)		
Code	Rated force (N)	[oz]
L	2.00	7.2

Plunger Material	
Code	Material
5	Steel

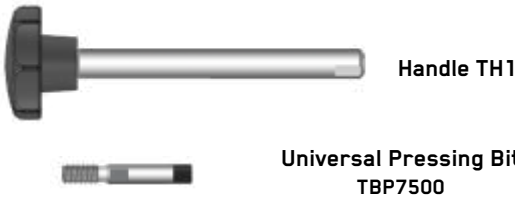
Plunger Plating	
Code	Material
No letter	Hard Gold



Recommended Socket / Receptacle Series for Lead-free Test Probes LF400 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 LF400 Series Test Probes 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.

Test Probes Ordering Code Example

LF400 LA 5 3 L
a b c d e f

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]
	CC	5	3	0.41 0.016
	LA	5	3	0.41 0.016
	LB	5	3	0.41 0.016
	LF	5	3	0.41 0.016
	LG	5	3	0.41 0.016

Tip Diameter Code changes according to the Tip Style.

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

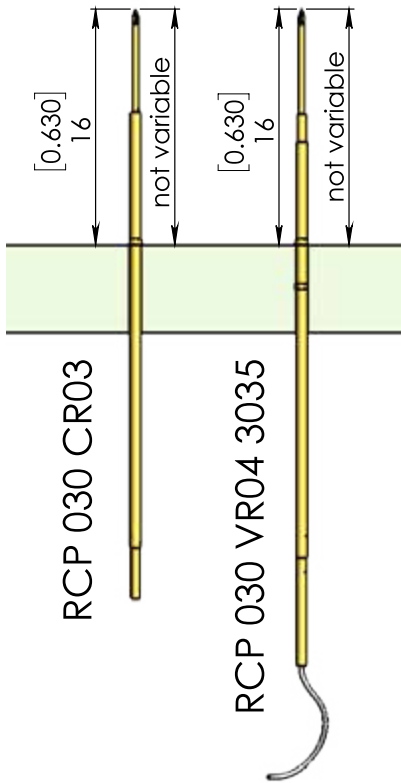
w1: Wire Diameter Code			
	AWG	mm	[inches]
3	30	0.26	0.010

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	

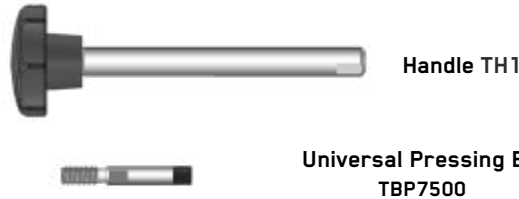
Installation Heights with different Sockets / Receptacles



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

For detailed Sockets / Receptacles for LF400 See Page 53 - 54.

Tool for RCP030 Sockets / Receptacles Contains: Tool Handle + Exchangeable Bit(s) - has to be chosen*



Customized Pressing Bit TBR4035

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

Extraction Bit TBR4070

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

LF401

LEAD-FREE TEST PROBES

TIP STYLES

LF401

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

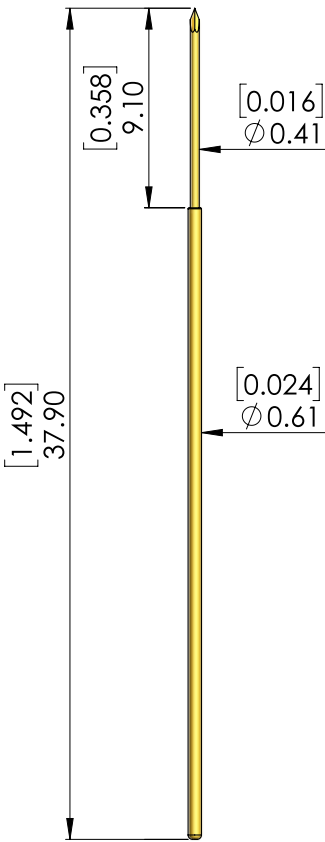
Spring Material: Spring Steel Gold Plated

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

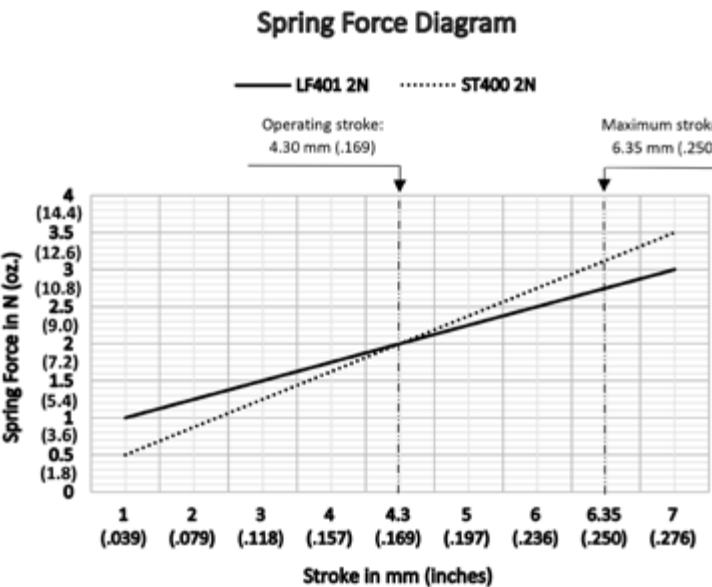
LF401 series is a long-stroke version of Lead-free Test Probe series LF400. Ideal choice for contacting problems caused by Lead-free type solder materials. With the special tip styles and combined with a higher pre-load force, this series offers an ideal solution to those test challenges related to Lead-free solder alloys.



Spring Force at Working Stroke (2/3)		
Code	Rated force	
	(N)	[oz]
L	2.00	7.2

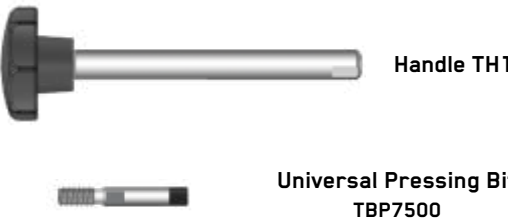
Plunger Material	
Code	Material
5	Steel

Plunger Plating	
Code	Material
No letter	Hard Gold



*Due to high-preloaded springs the life expectancy of these probes are less, then for standard LF series.

Tool for LF401 Series Test Probes 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.

Recommended Socket / Receptacle Series for ICT / FCT Test Probes LF401 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

Test Probes Ordering Code Example

LF401 LF53 L
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]
	LF	5	3	0.41 0.016

Tip Diameter Code changes according to the Tip Style.

*Other Tip Styles available on request.

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

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

w2: Wire Colour	
0	Black

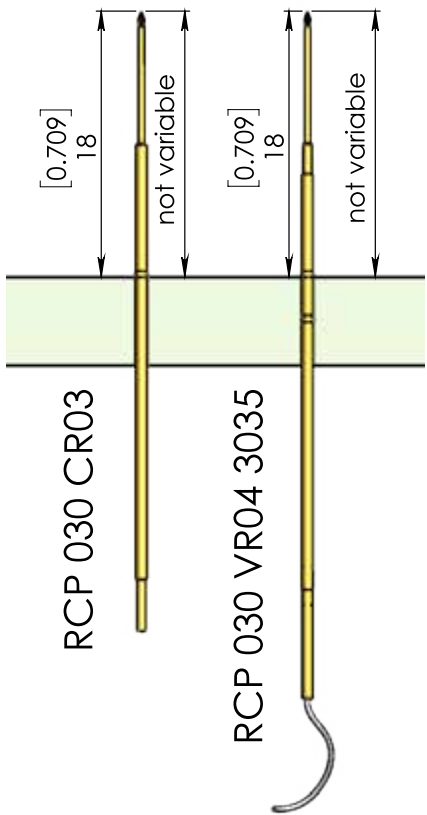
*Other length and colors available on request.

w3: Wire Length

Wire length is given in inches.

Conversion Example:
35 in = approx. 900 mm

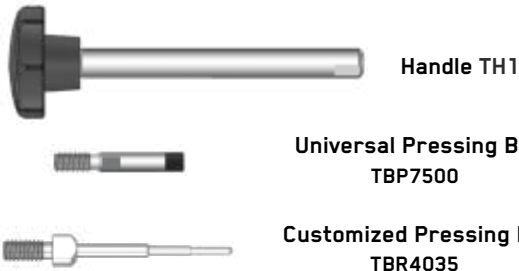
Installation Height with different Sockets / Receptacles



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

For detailed Sockets / Receptacles for LF401 See Page 53 - 54.

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)

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:

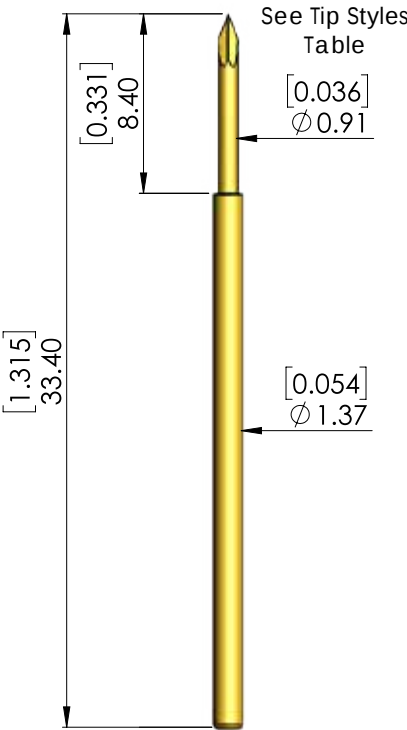
Socket / Receptacle Diameter + 0.01 - 0.03 mm
[0.394 - 1.181 mil] drill bits are recommended.^A

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
			7	1.50	0.059
	CB	5	4	1.06	0.042
	CC	5	4	0.50	0.020
			5	0.80	0.031
			8	1.30	0.051
			9	1.50	0.059
	CG	0	5	1.30	0.051
			6	1.50	0.059
			8	2.00	0.079
			8 / SP229/*	2.29	0.090
			9	2.50	0.098
			10	3.00	0.118
	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

Tip Diameter Code changes according to the Tip Style.

*Special Tip Diameter Code

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:

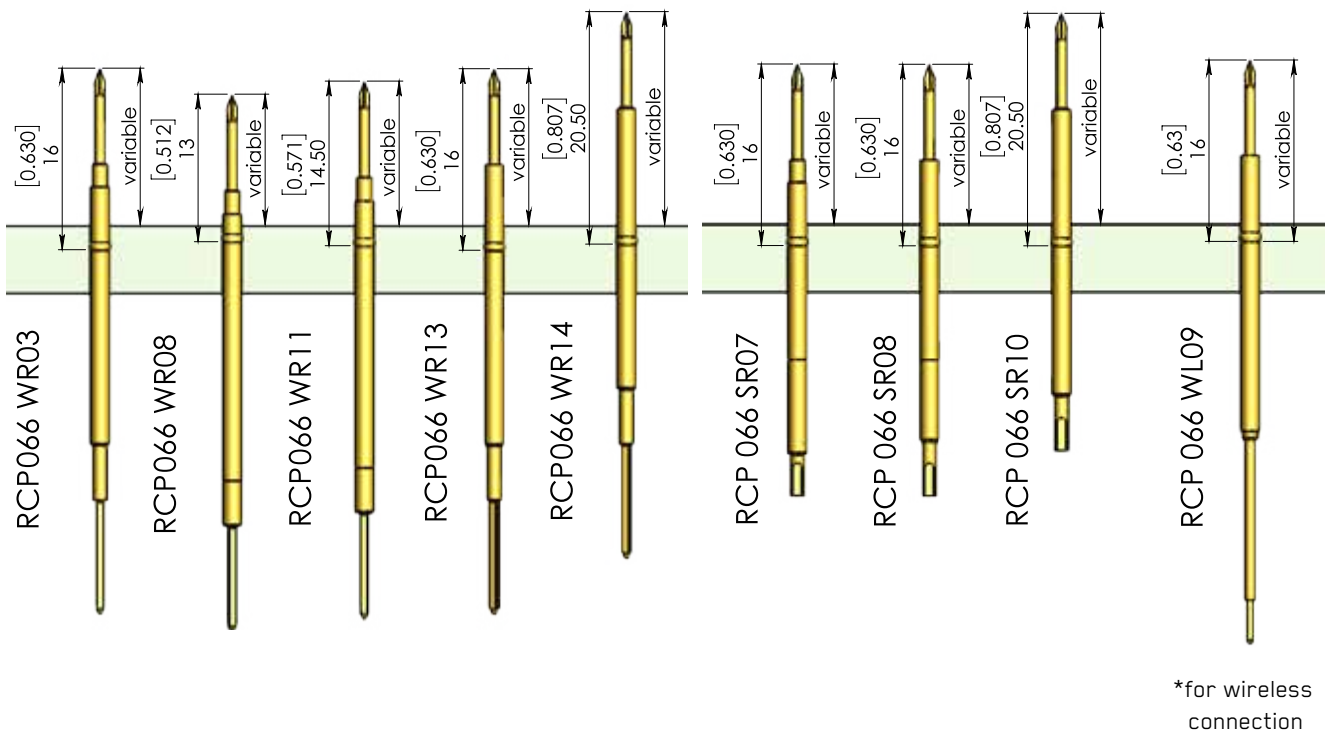
Socket / Receptacle Diameter + 0.01 - 0.03 mm
[0.394 - 1.181 mil] drill bits are recommended.^A

Design	Code	Description
	WR	Wire-Wrap Square Post ☐
	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



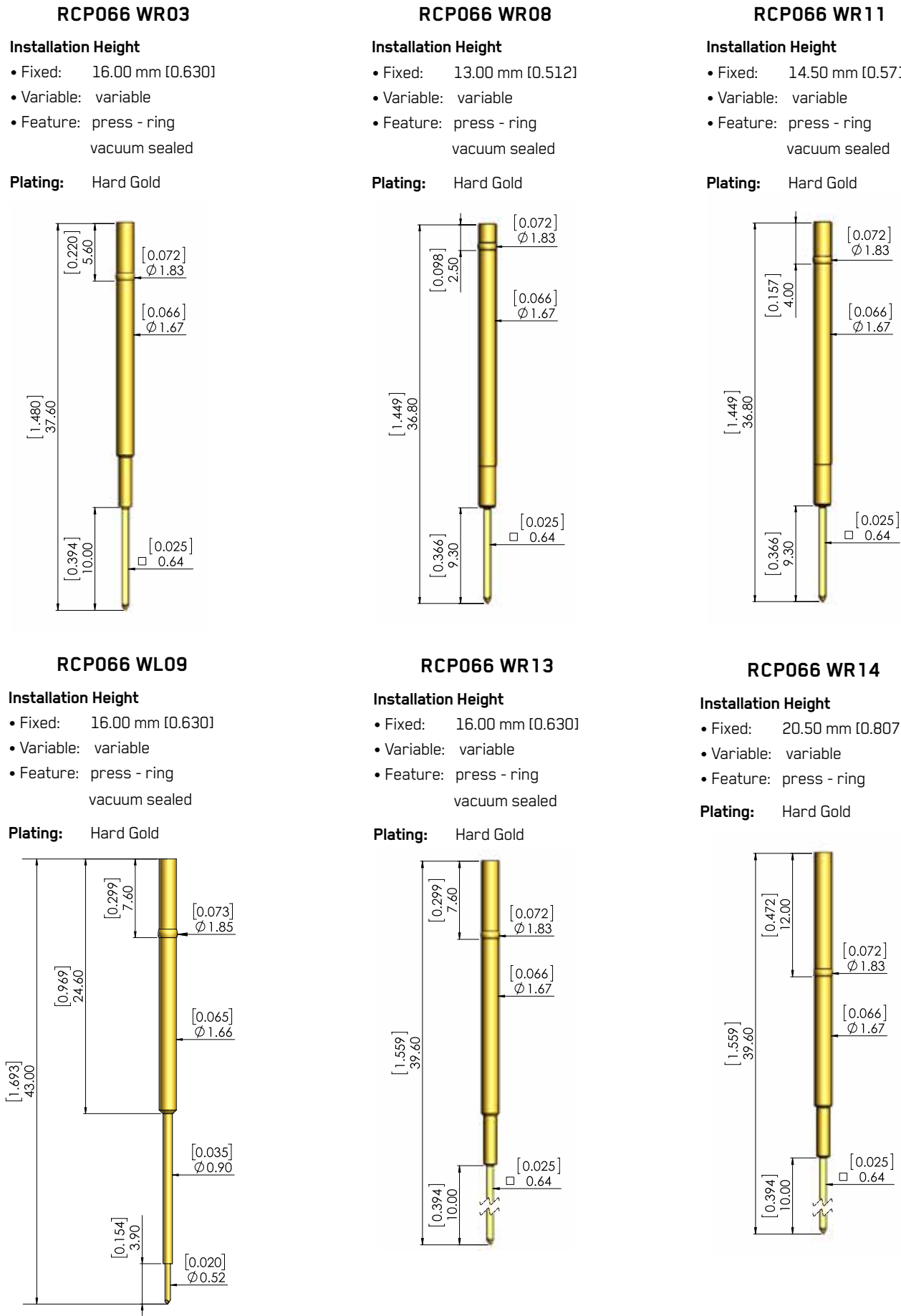
^A Varies from used drilling technologies and raw materials. For more Technical information consult with us at: info@equip-test.com

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

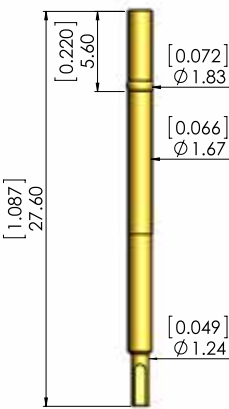
SOCKETS / RECEPTACLES FOR ST1000

BEAD PROBES

ST1000

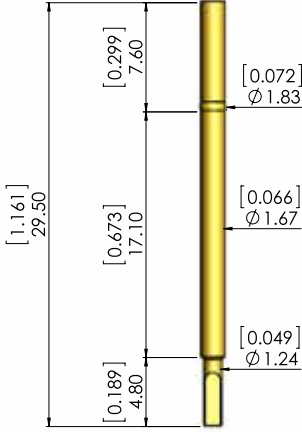
RCP066 SR07

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



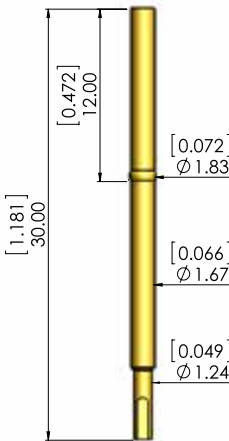
RCP066 SR08

- 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]

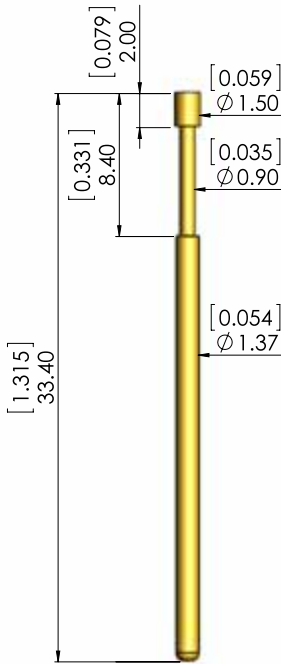
Spring Force at Working Stroke (2/3)		Plunger Material	
Code	Rated force (N)	Code	Material
M	1.50	0	BeCu
N	2.00	Plunger Plating	
LX	3.00	Code	Material
		No letter	Hard Gold

Tip Style	Plunger Material	Tip Diameter Code	Tip Diameter	
			mm	[inches]
	FA	0	6	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*

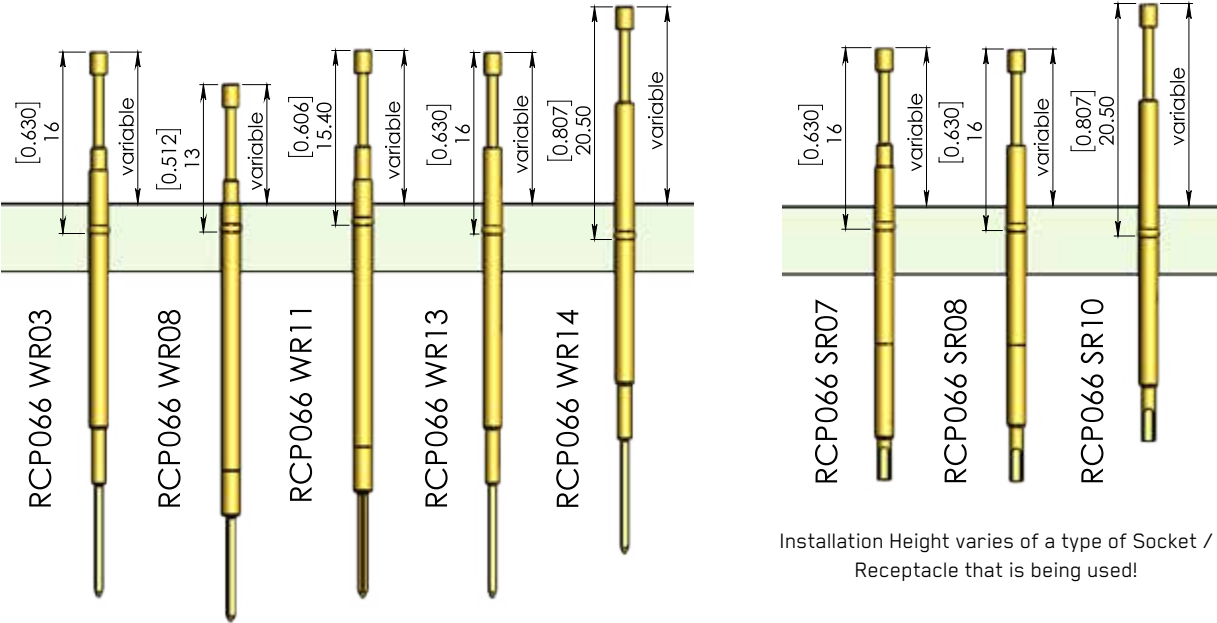
Tool Handle w. shaft	Insertion Bits	
	Universal Pressing Bit	Customized Pressing Bit
TH1	TBP10000	TBR10035

*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: 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.

Test Probes Ordering Code Example

ST1000 FA 06 N

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

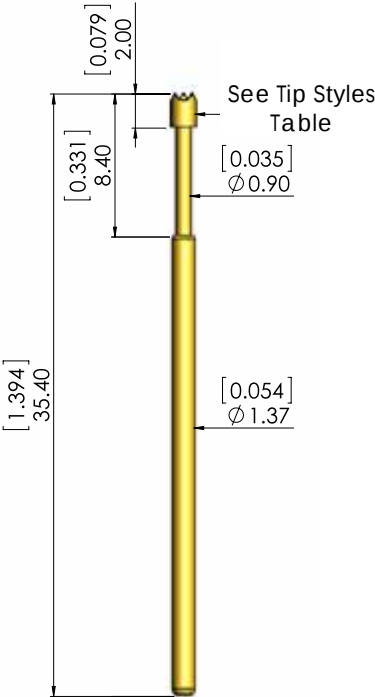
Operating Temperature: - 30 °C up to + 120 °C
[- 22 °F up to + 248 °F]

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.



Recommended Socket / Receptacle Series for
ICT Test Probes ST1001 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
9	Plastic

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 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						
ST1001	CG	05	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	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

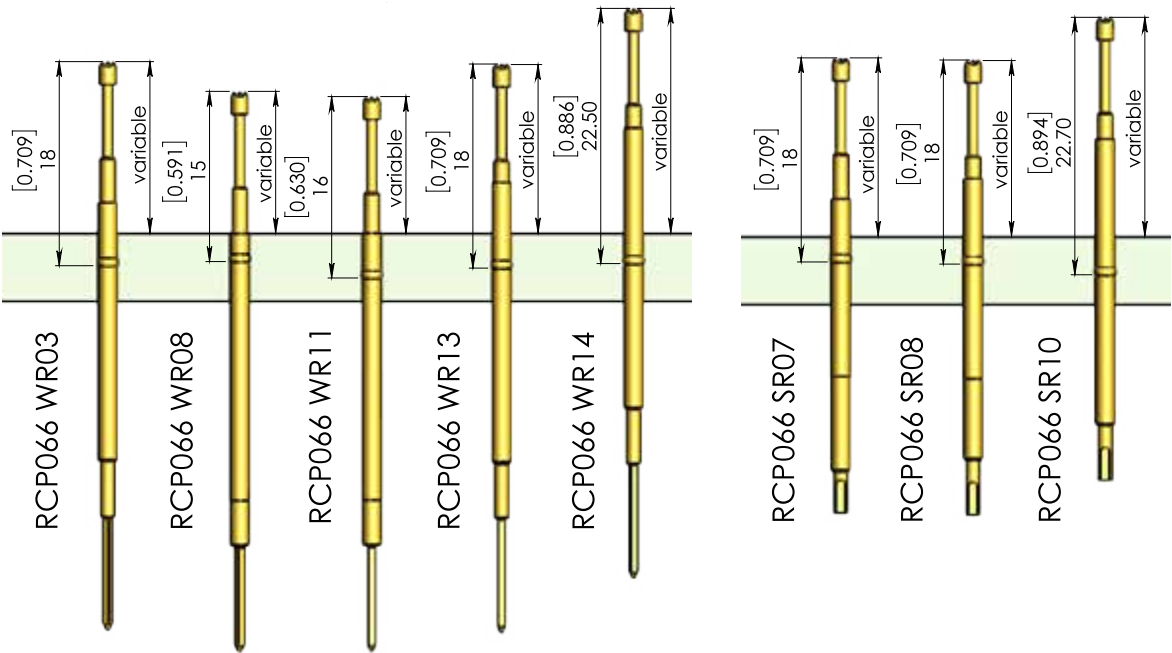
≡ Tip Diameter Code changes according to the Tip Style.

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	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.

ST1006

ICT / FCT TEST PROBES

TIP STYLES

ST1006

Technical Specifications

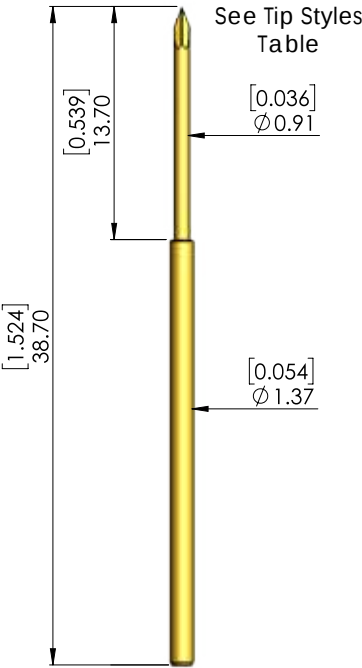
Recommended Working Stroke: 9.3 mm [0.366]
Full Stroke: 11.7 mm [0.461]
Max. Current: 3 - 8 A (continuous)
Average Resistance: max. 20 mΩ
Barrel Material:
Beryllium Copper / Nickel Silver
Spring Material: Spring Steel Gold Plated
Operating Temperature: - 30 °C up to + 120 °C
[- 22 °F up to + 248 °F]
Mounting Hole Size:
Socket / Receptacle Diameter + 0.01 - 0.03 mm
[0.394 - 1.181 mil] drill bits are recommended.^A

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

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.

^A Varies 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	LA	5	3	N		
a	b	c	d	e	f	g

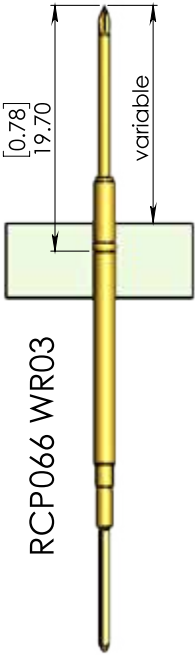
a: Series • b: Plunger Plating • c: Tip Style • d: Plunger Material • e: Tip Diameter Code • f: Spring Force Code • g: Special Tip Diameter [mm x 100]

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	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.

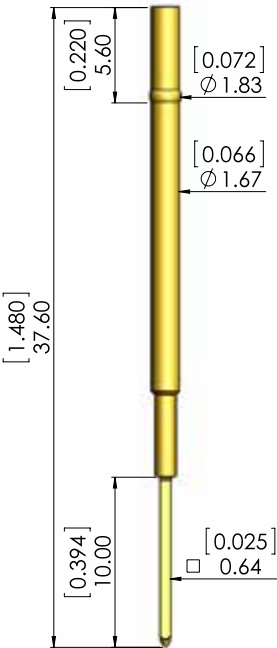
≡ Socket / Receptacle Ordering Code Example		Socket / Receptacle Plating	
RCP066	WR03	Code	Material
x	y	z	
		No letter	Hard Gold*

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 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

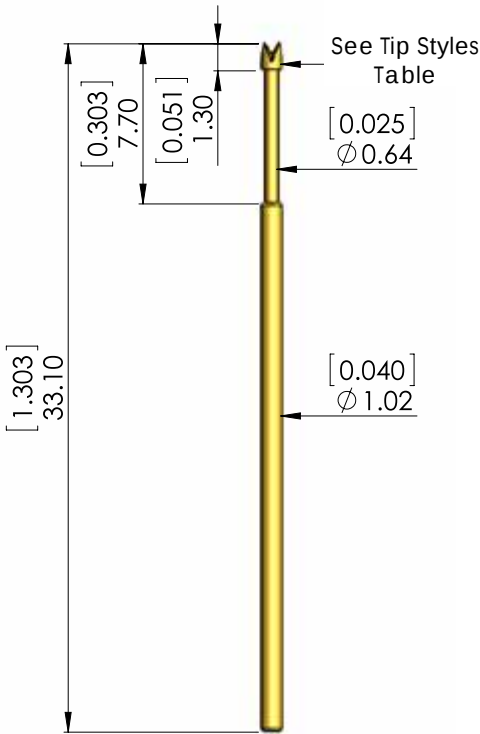
Spring Material: Spring Steel Gold Plated

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						
ST750	CB	5	5	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]
	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		Socket / Receptacle Plating	
RCP052	WR05	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.

RCP052

SOCKETS / RECEPTACLES FOR ST750

SOCKETS / RECEPTACLES FOR ST750

RCP052

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

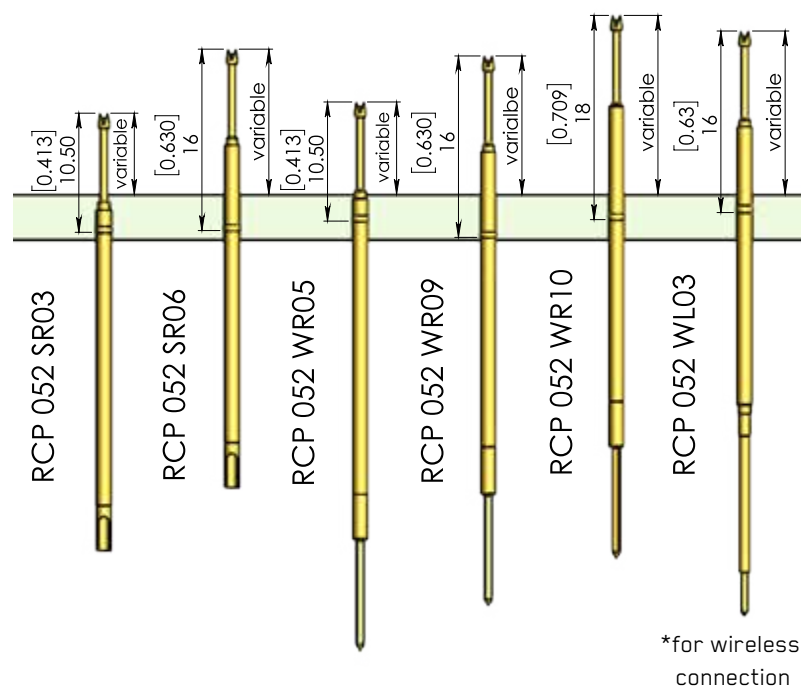
Mounting Hole Size:

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 ☐
	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

Socket / Receptacle Plating

Code

No letter

Material

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.

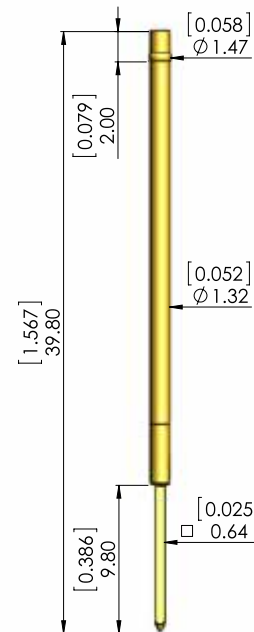
Type Information and Installation Height Data with inserted Test Probes ST750*

RCP052 WR05

Installation Height

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

Plating: Hard Gold

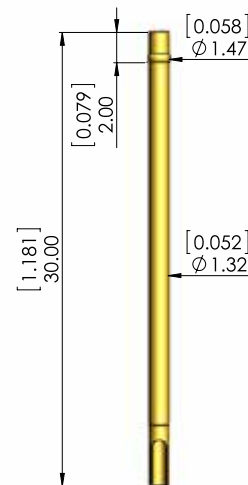


RCP052 SR03

Installation Height

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

Plating: Hard Gold

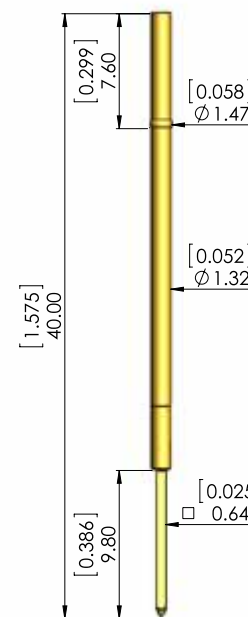


RCP052 WR09

Installation Height

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

Plating: Hard Gold

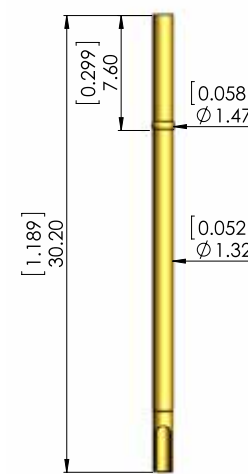


RCP052 SR06

Installation Height

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

Plating: Hard Gold

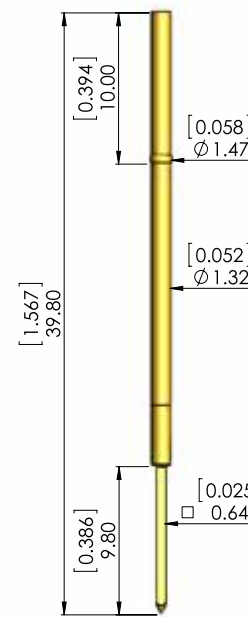


RCP052 WR10

Installation Height

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

Plating: Hard Gold

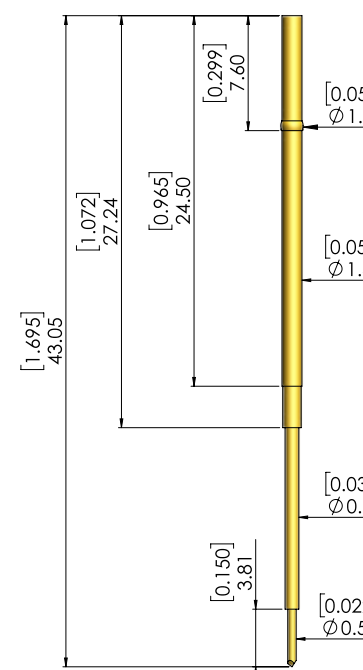


RCP052 WL03

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:

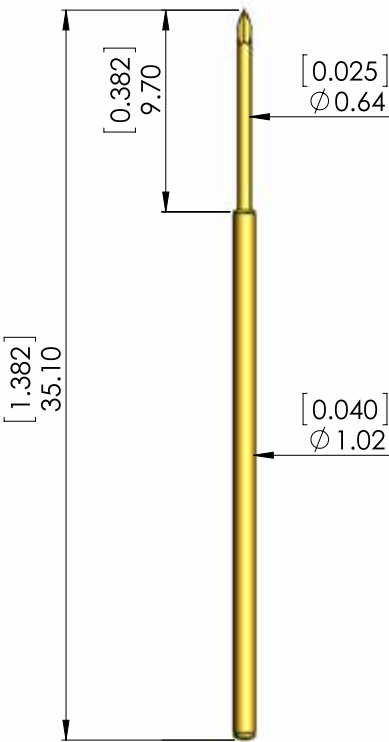
Socket / Receptacle Diameter + 0.01 - 0.03 mm
[0.394 - 1.181 mil] drill bits are recommended.^A

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

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.

^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	5	3	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]

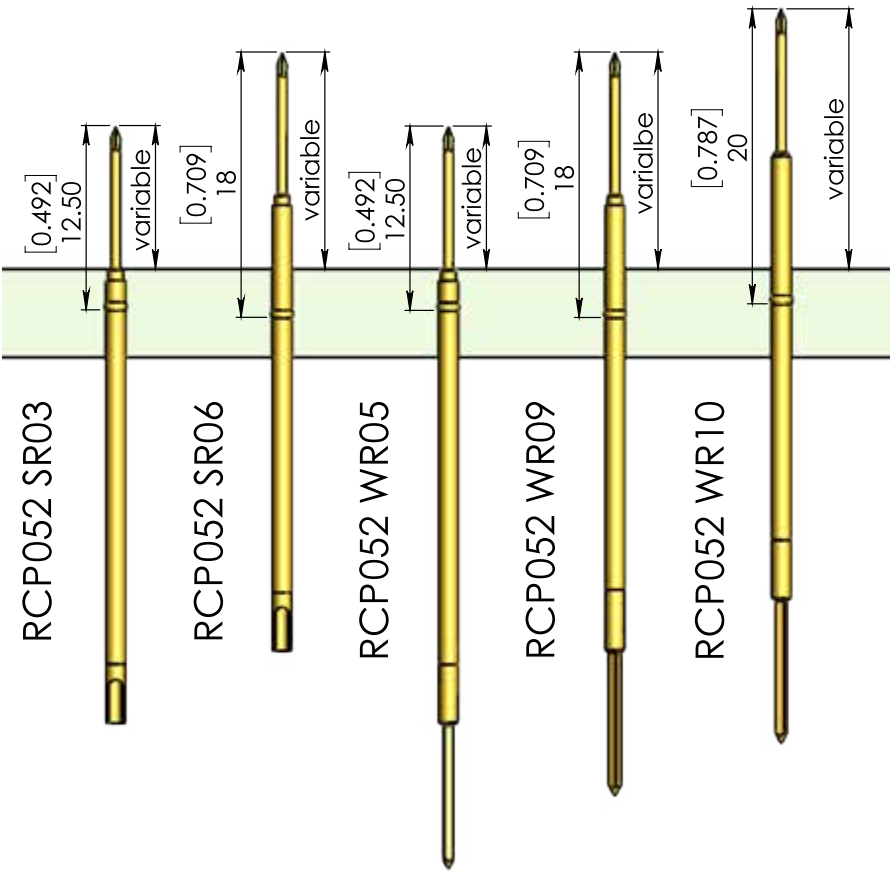
By default Plunger is Hard Gold plated and it is not marked in the PO Code. Fill position b: only if different.

Tip Style		Plunger Material	Tip Diameter Code	Diameter	
				mm	[inches]
	1LA	5	3	0.64	0.025
	UB	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			Socket / Receptacle Plating	
RCP052	WR05		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.

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

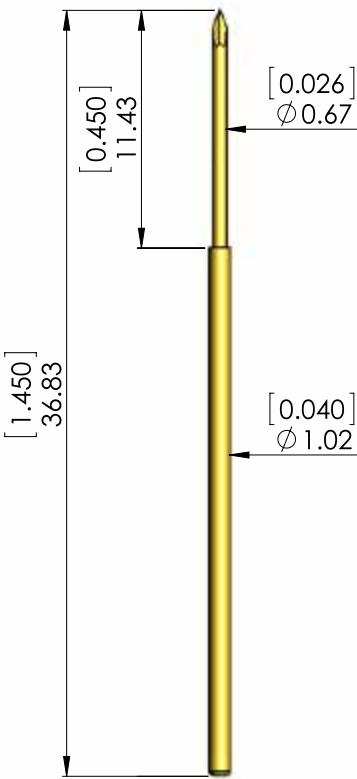
Spring Material: Spring Steel Gold Plated

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.

^A Varies 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	LA	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]

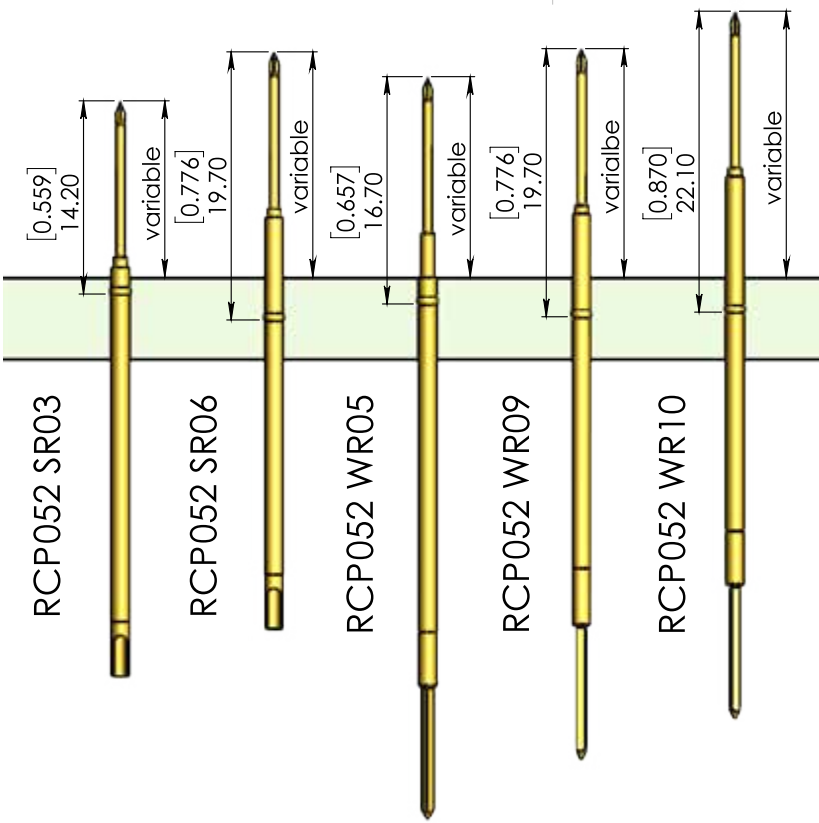
By default Plunger is Hard Gold plated and it is not marked in the PO Code. Fill position b: only if different.

Tip Style	Plunger Material	Tip Diameter Code	Diameter	
			mm	[inches]
	LA	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			Socket / Receptacle Plating	
RCP052	WR05		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.

ST754

ICT / FCT TEST PROBES

TIP STYLES

ST754

Technical Specifications

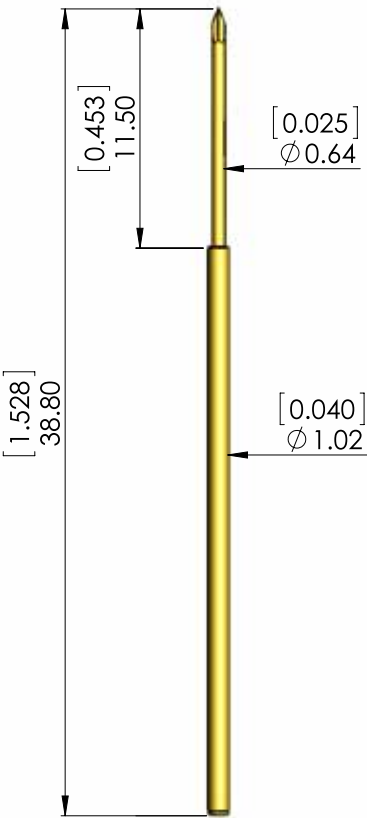
Recommended Working Stroke: 8 mm [0.314]
Full Stroke: 10 mm [0.393]
Max. Current: 3 - 4 A (continuous)
Average Resistance: < 20 mΩ
Barrel Material:
Beryllium Copper / Nickel Silver
Spring Material: Spring Steel Gold Plated
Operating Temperature: - 30 °C up to + 120 °C
[- 22 °F up to + 248 °F]
Mounting Hole Size:
Socket / Receptacle Diameter + 0.01 - 0.03 mm
[0.394 - 1.181 mil] drill bits are recommended.^Δ

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

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.

^Δ Varies 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	LA	5	3	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]

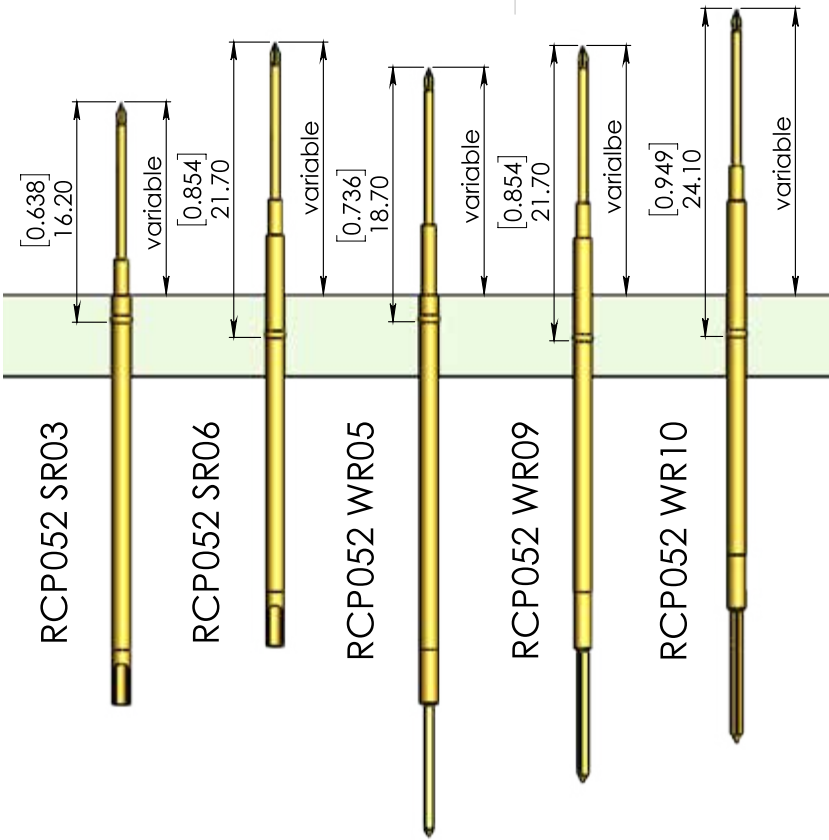
By default Plunger is Hard Gold plated and it is not marked in the PO Code. Fill position b: only if different.

Tip Style	Plunger Material	Tip Diameter Code	Diameter	
			mm	[inches]
	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			Socket / Receptacle Plating	
RCP052	WR05		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.

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

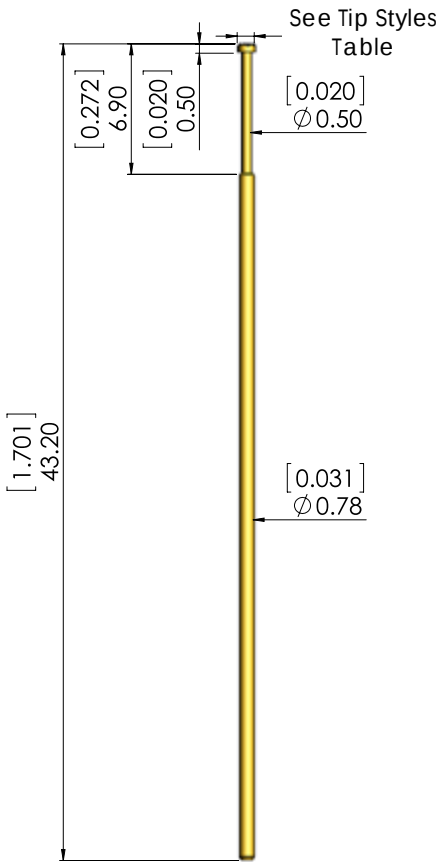
Spring Material: Spring Steel Gold Plated

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 0 4 M

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

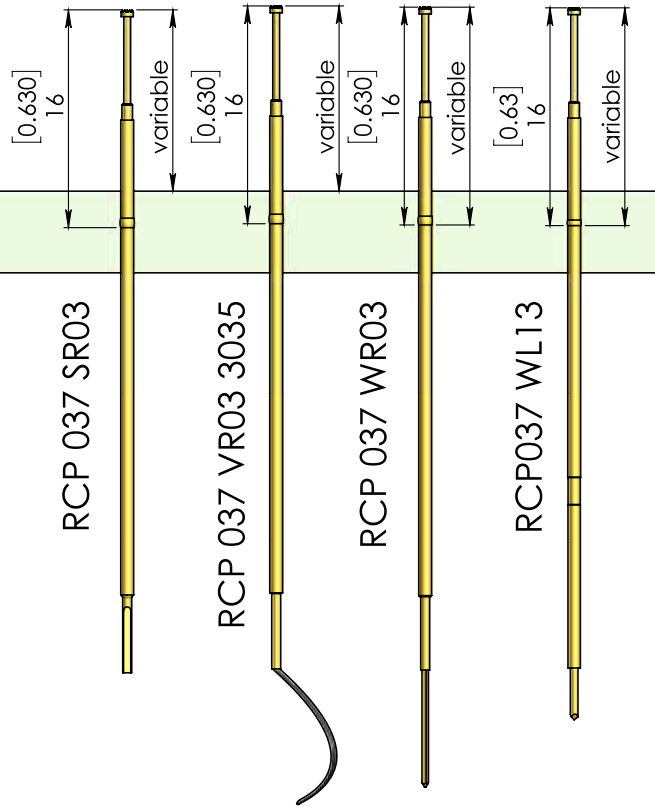
• w1: Wire Diameter • w2: Colour • w3: Length

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.	

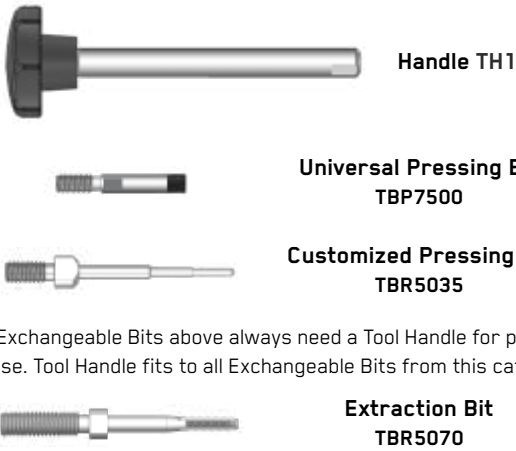
w3: Wire Length	
Wire length is given in inches.	
Conversion Example: 35 in = approx. 900 mm	

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*



*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

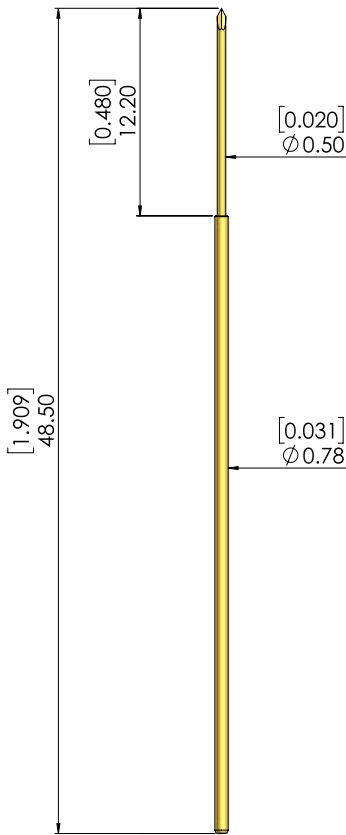
Spring Material: Spring Steel Gold Plated

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.

^AVaries 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: 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	0.50 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: 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: Series • y: Socket / Receptacle Plating • z: Option

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

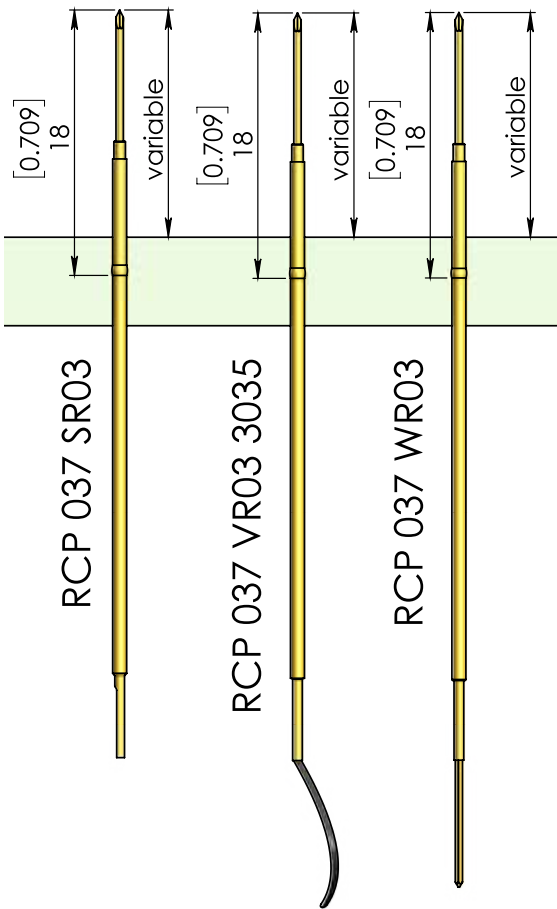
w1: Wire Diameter Code			
	AWG	mm	[inches]
3	30	0.26	0.010

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

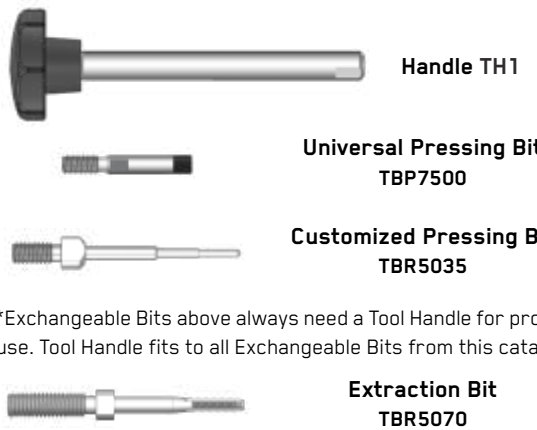
Installation Heights with different
Sockets / Receptacles



Installation Height varies of a type of 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

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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

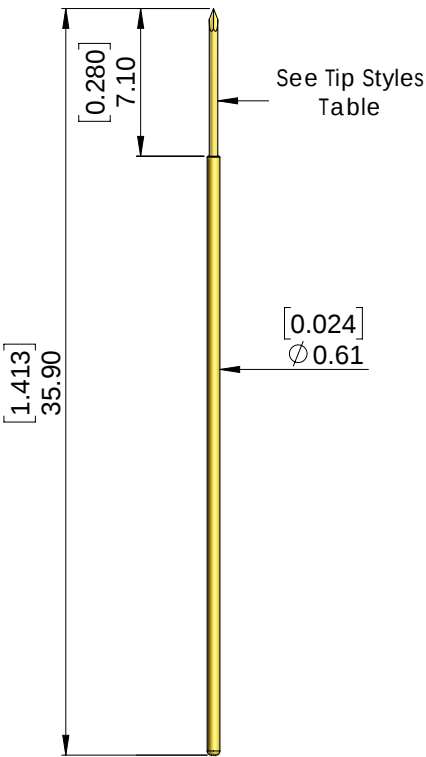
Spring Material: Spring Steel Gold Plated

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.

^A Varies 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

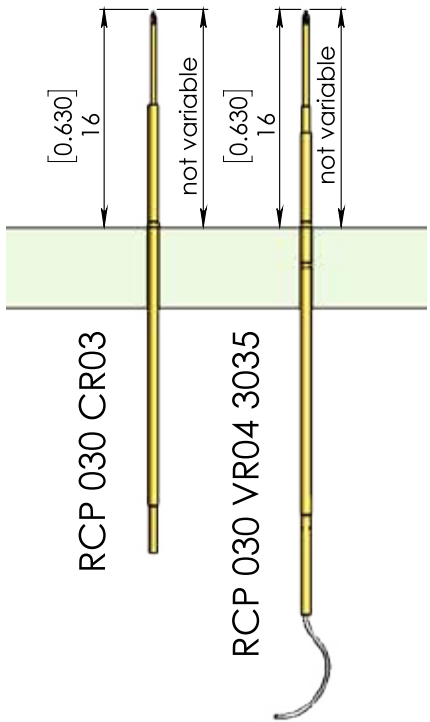
a: Series • b: Plunger Plating • c: Tip Style • d: Plunger Material • e: Tip Diameter Code • f: Spring Force Code • g: Special Tip Diameter [mm x 100]

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

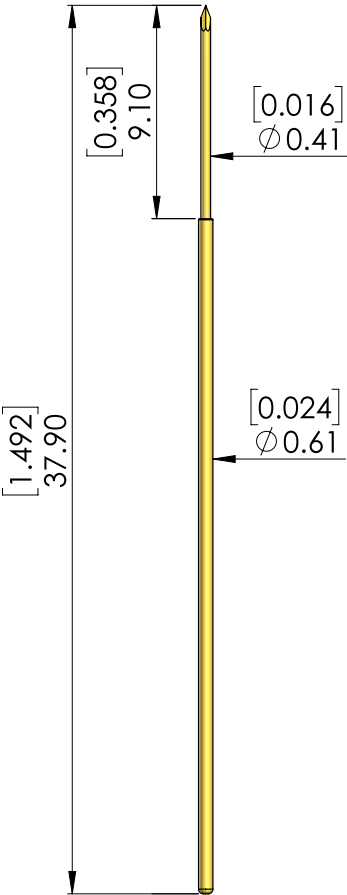
Spring Force at Working Stroke (2/3)		
Code	Rated force	
	(N)	[oz]
XS	0.80	2.9

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

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.

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: 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]

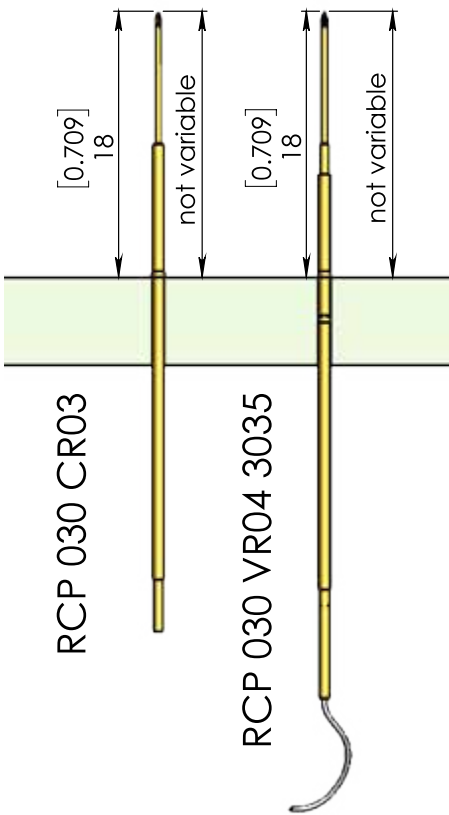
By default Plunger is Hard Gold plated and it is not marked in the PO Code. Fill position b: only if different.

Tip Style	Plunger Material	Tip Diameter Code	Diameter	
			mm	[inches]
	LA	5	3	0.40 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.

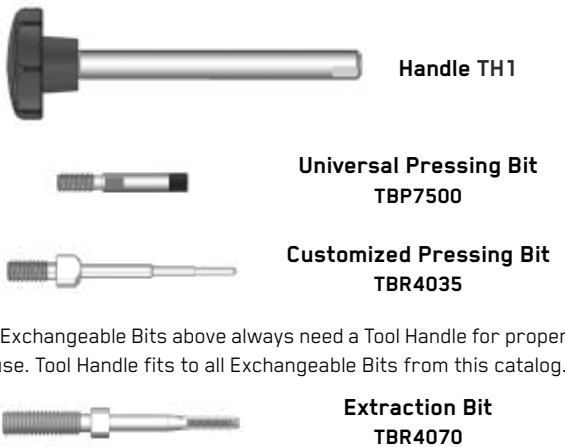
≡ Socket / Receptacle Ordering Code Example

RCP030 CR03

x: 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)

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

RCP030 VR04 3 0 35

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.

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

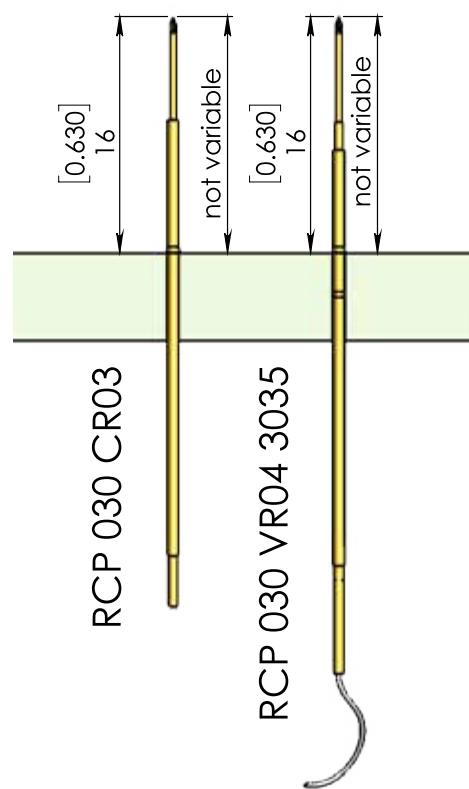
Design	Code	Options
	WR	Wire Wrap Square Post ☐
	VR	Pre-wired with Kynar Wire
	CR	Crimp

Compatible Series for RCP030:

LF400	ST400
LF401	ST401

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

Installation Heights

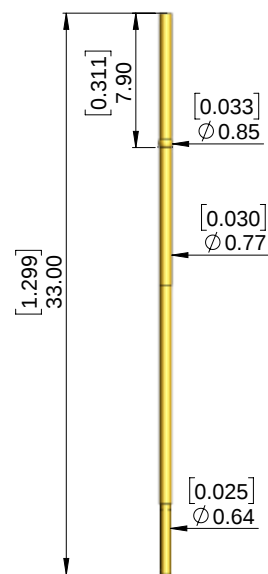


RCP030 CR03

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			Socket / Receptacle Plating	
RCP030 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 ST400

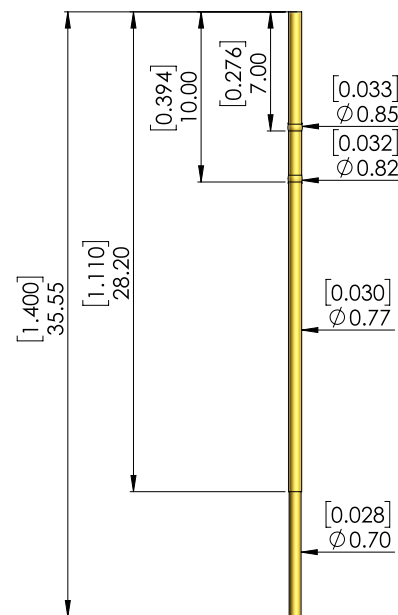
RCP030

RCP030 CR04

Installation Height

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

Plating: Hard Gold

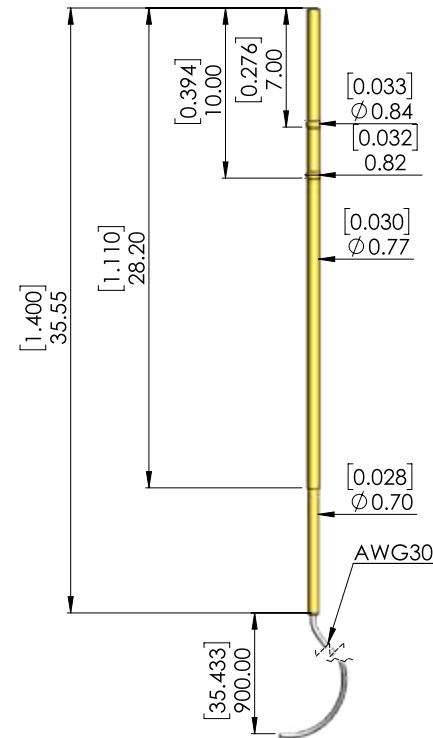


RCP030 VR04 3035

Installation Height

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

Plating: Hard Gold

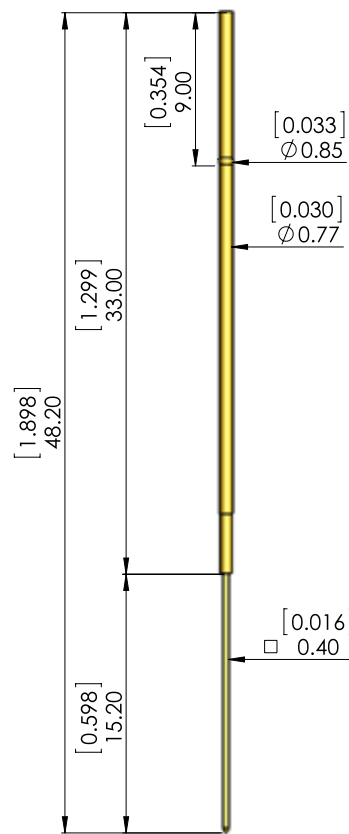


RCP030 WR03

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: 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)

MP3003

MICRO PROBES

TIP STYLES

MP3003

Technical Specifications

Recommended Working Stroke: 1.35 mm [0.053]

Full Stroke: 2.00 mm [0.078]

Max. Current: 0.5 A (continuous)

Average Resistance: max. 150 mΩ

Barrel Material:

Bronze - Gold Plated

Spring Material: Spring Steel Gold Plated

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

Mounting Hole Size:

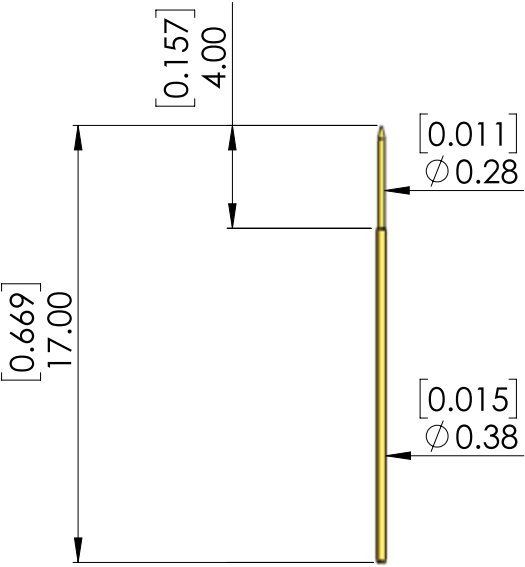
Socket / Receptacle Diameter + 0.01 - 0.03 mm
[0.394 - 1.181 mil] drill bits are recommended.^A

Spring Force at Working Stroke (2/3)		
Code	Rated force	
	(N)	[oz]
N	0.30	1.1

Plunger Material	
Code	Material
5	Steel

Plunger Plating	
Code	Material
No letter	Hard Gold

These extremely small size Micro Test Probes are a perfect choice for fine-pitch applications.



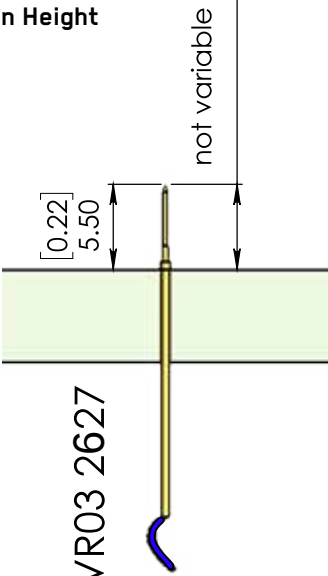
Recommended Socket / Receptacle Series for small size Micro Probes MP3003 is RCP021 See Page 56 for detailed information.

Tip Styles	Plunger Material	Tip Diameter Code	Plunger Plating	Tip Diameter	
				mm	[inches]
	CA	5	3	-	0.28 0.011

Tip Diameter Code changes according to the Tip Style.

*Other Tip Styles available on request.

Installation Height



RCP 021 VR03 2627

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

Pre Wired (VR) Socket / Receptacle Ordering Code Example

RCP021 VR03 2 6 27

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]
2	32	0.20	0.008

w2: Wire Colour	
6	Blue

Other length and colors available on request.

w3: Wire Length	
Wire length is given in inches. Conversion Example: 27 in = approx. 700 mm	

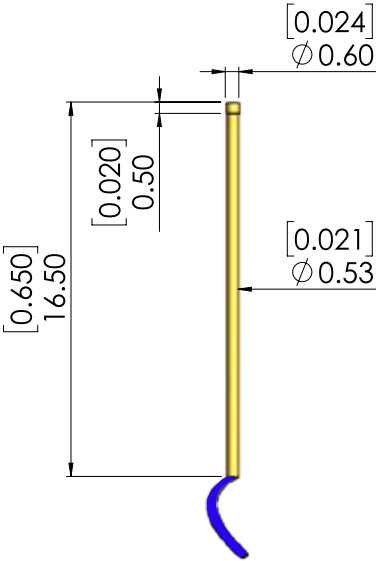
RCP021 VR03 2627

Installation Height

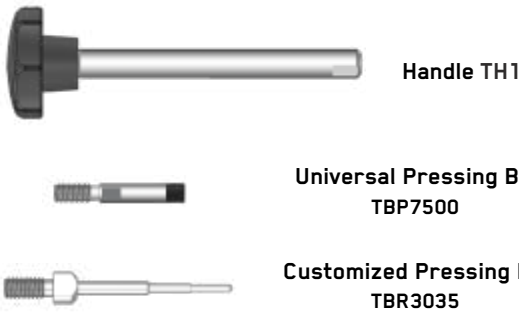
- Fixed: 5.50 mm [0.217]
- Variable: not variable

Material: Brass

Plating: Hard Gold



Tool for RCP021 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.

Tool for MP3003 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

MP3003 CA 5 3 N

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.

ST510

MULTI-PURPOSE TEST PROBES

TIP STYLES

ST510

Technical Specifications

Recommended Working Stroke: 2.20 mm [0.087]

Full Stroke: 2.80 mm [0.110]

Max. Current: 3 A (continuous)

Average Resistance: max. 20 mΩ

Barrel Material:

Beryllium Copper / Nickel Silver

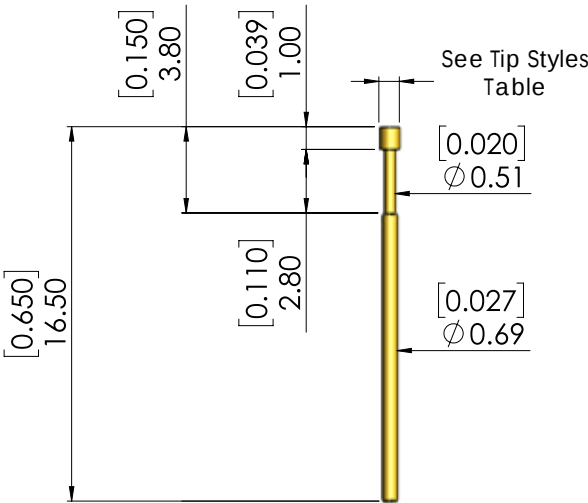
Spring Material: Spring Steel Gold Plated

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 small size Multi-purpose Test Probes are a perfect choice for ICT / FCT as well as for Special Purpose Machines with Automation and Robotic solutions. Perfect choice for high - demand applications. Telecom and Communication Industrie use this probe worldwide.



Recommended Socket / Receptacle Series for small size **Multi-purpose Test Probes ST510** is **RCP034**
See **Page 58** for detailed information.

Spring Force at Working Stroke (2/3)		
Code	Rated force	
	(N)	[oz]
MX	0.70	2.5
NX	1.00	3.6

Plunger Material	
Code	Material
0	BeCu
5	Steel

Plunger Plating	
Code	Material
No letter	Hard Gold

Tool for ST510 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						
ST510	a	TA	5	4	MX	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 Styles	Plunger Material	Tip Diameter Code	Plunger Plating	Tip Diameter	
				mm	[inches]
	RA	5	4	-	0.50 0.020
	TA	5	4	-	0.90 0.035
	UB	0	3	-	0.50 0.020

≡ Tip Diameter Code changes according to the Tip Style.

*Other Tip Styles available on request.

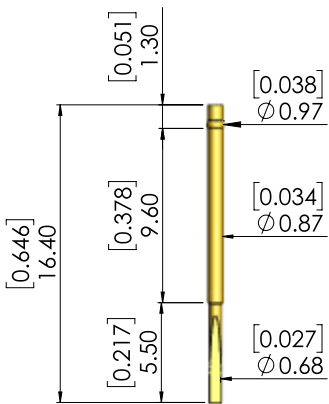
RCP034 SR06

Installation Height

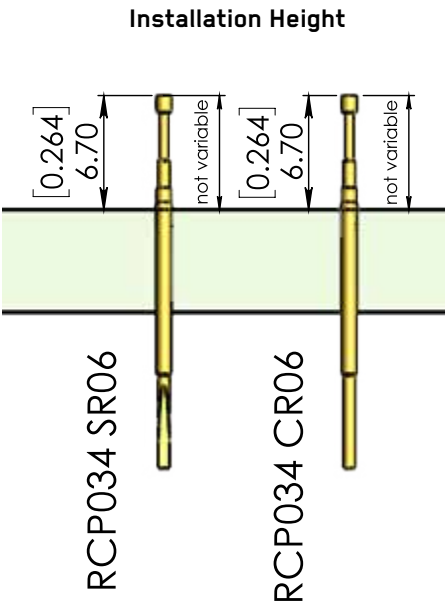
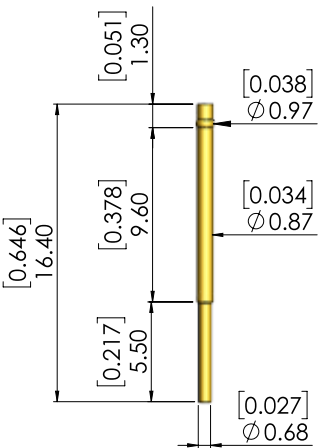
- Fixed: 6.70 mm [0.263]
- Variable: not variable

Material: Brass

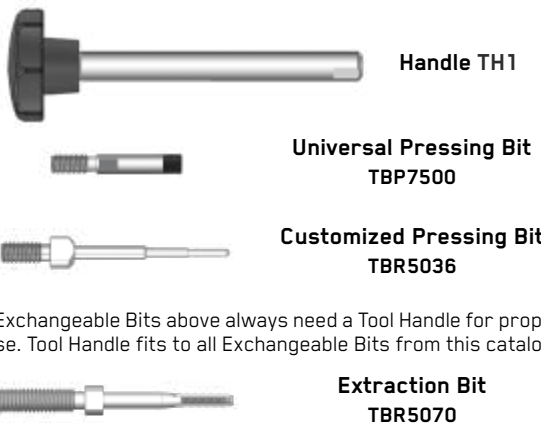
Plating: Hard Gold



RCP034 CR06



Tool for RCP034 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	
RCP034	SR06		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.

ST755

MULTI-PURPOSE TEST PROBES

TIP STYLES

ST755

Technical Specifications

Series ST755 is a short and tiny Test Probe that is typically used in Mobile Communication Applications for Functional Test Jigs.

Recommended Working Stroke: 2.4 mm [0.094]

Full Stroke: 3 mm [0.118]

Max. Current: 3 - 4 A (continuous)

Average Resistance: < 20 mΩ

Barrel Material:

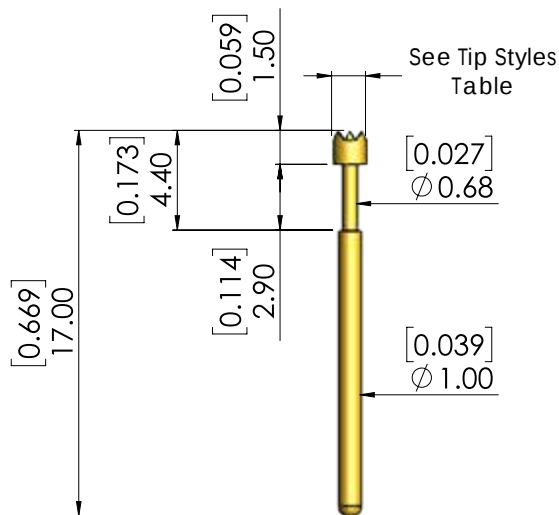
Beryllium Copper / Nickel Silver

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



Recommended Socket / Receptacle Series for
Multi-purpose Test Probes ST755 is RCP052.
See Page 60 for detailed information.

Spring Force at Working Stroke (2/3)		
Code	Rated force	
	(N)	[oz]
XS	0.57	2.1
M	1.08	3.9
X	1.80	6.5

Plunger Material	
Code	Material
0	BeCu

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 ST755 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	-	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

ST755 CG 05 M
a b c d e f g

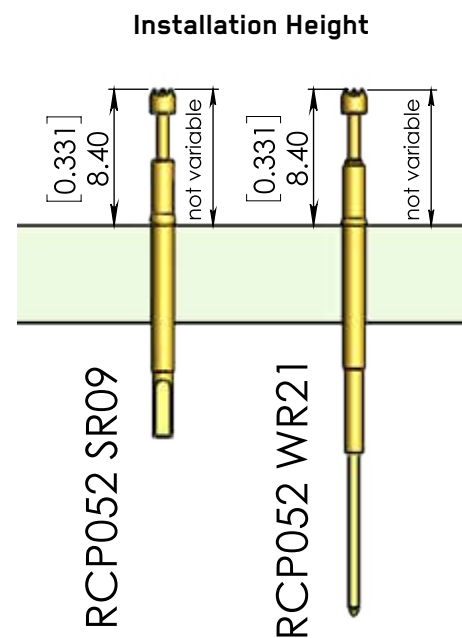
a: Series • b: Plunger Plating • c: Tip Style • d: Plunger Material • e: Tip Diameter Code • f: Spring Force Code • g: Special Tip Diameter [mm x 100]

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

Tip Style	Plunger Material	Tip Diameter Code	Diameter	
			mm	[inches]
	CG	0	5	1.50 0.059
	TA	0	8	1.50 0.059
	UB	0	4	0.72 0.028

Tip Diameter Code changes according to the Tip Style.

*Other Tip Styles available on request.



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

RCP052 SR09

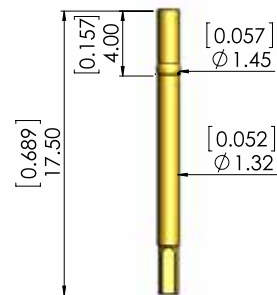
Installation Height

• Fixed: 8.40 mm [0.331]

• Variable: not variable

Material: Bronze / BeCu

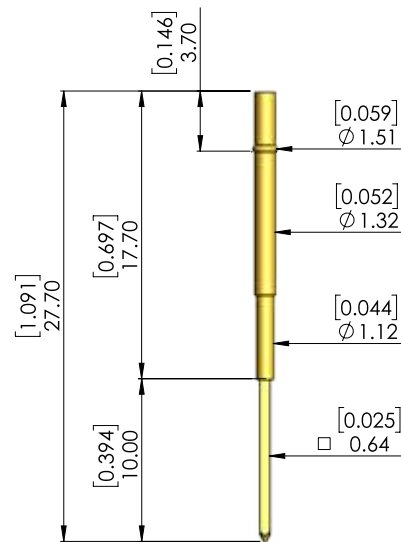
Plating: Hard Gold



RCP052 WR21

Installation Height

• Fixed: 8.40 mm [0.331]



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

RCP052 SR09
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

ST1011

MULTI-PURPOSE TEST PROBES

TIP STYLES

ST1011

Technical Specifications

Recommended Working Stroke: 2.70 mm [0.106]

Full Stroke: 4.10 mm [0.161]

Max. Current: 3 A (continuous)

Average Resistance: max. 20 mΩ

Barrel Material:

Beryllium Copper / Nickel Silver

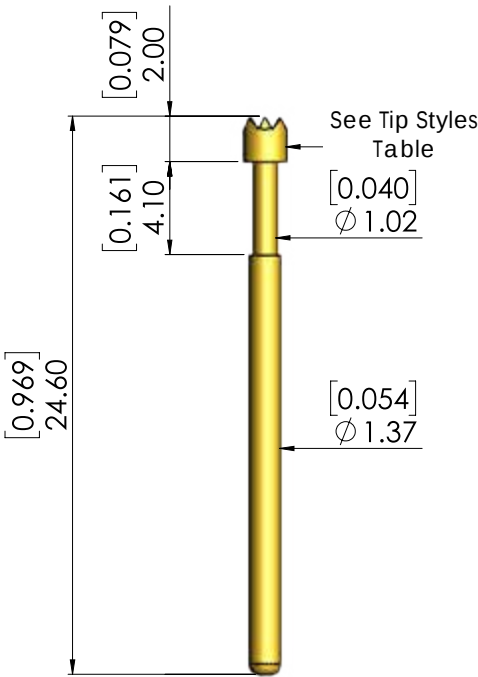
Spring Material: Spring Steel Gold Plated

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 robust-designed Test Probes are an ideal choice for ICT/ FCT as well as for Special Purpose Machines with Automation and Robotic solutions. They are a good choice for demanding applications.



Spring Force at Working Stroke (2/3)		
Code	Rated force	
	(N)	[oz]
SX	1.00	3.6
MX	1.50	5.4
XL	2.80	10.0

Plunger Material	
Code	Material
0	BeCu

Plunger Plating	
Code	Material
No letter	Hard Gold
R	Rhodium

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

Tool for ST1011 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						
ST1011	CG	07	SX			
a	b	c	d	e	f	g

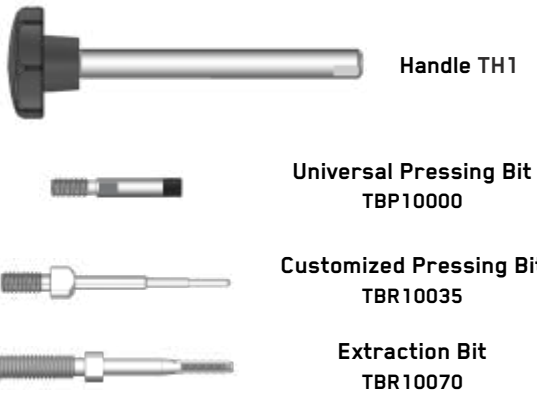
a: Series • b: Plunger Plating • c: Tip Style • d: Plunger Material • e: Tip Diameter Code • f: Spring Force Code • g: Special Tip Diameter [mm x 100]

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

Tip Styles	Plunger Material	Tip Diameter Code	Plunger Plating	Tip Diameter	
				mm	[inches]
	CC	0	7	R	1.52 0.060
	CG	0	7	-	1.91 0.075
	ER	0	5	-	1.80 0.070
	TA	0	9	-	1.91 0.075
	UB	0	4	-	1.02 0.040

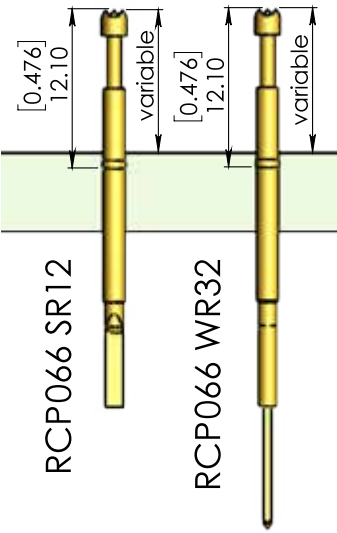
Tip Diameter Code changes according to the Tip Style.

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.

Installation Height with different Sockets / Receptacles



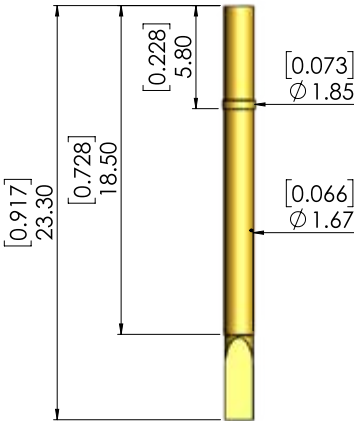
Installation Height is determined by drill hole depth of Socket / Receptacle that is used!

RCP066 SR12

Installation Height

- Fixed: 12.10 mm [0.476]
- Variable: variable
- Feature: press - ring

Plating: Hard Gold

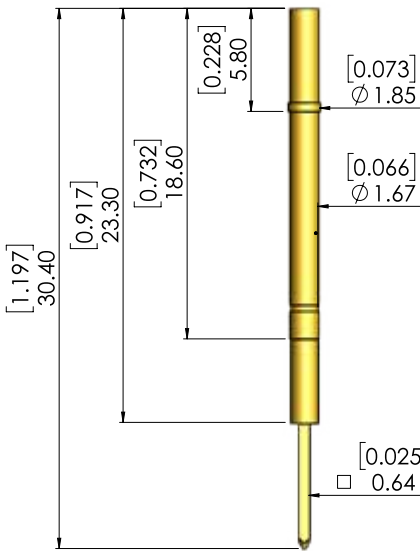


RCP066 WR32

Installation Height

- Fixed: 12.10 mm [0.476]
- Variable: variable
- Feature: press - ring

Plating: Hard Gold



Socket / Receptacle Ordering Code Example			Socket / Receptacle Plating	
RCP066	SR12		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.

ST1020 /23/28/30

MULTI-PURPOSE TEST PROBES

TIP STYLES

ST1020

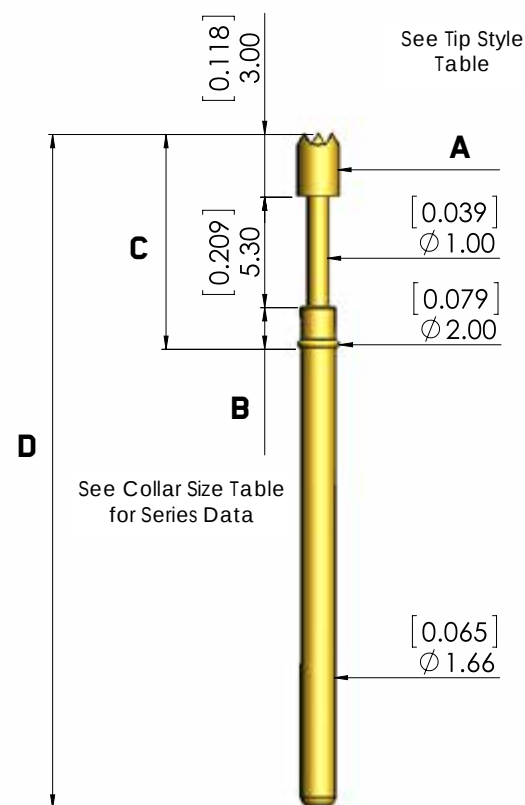
Technical Specifications

Recommended Working Stroke: 4.00 mm [0.157]**Full Stroke:** 5.30 mm [0.209]**Max. Current:** 5 - 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

These robust-designed Test Probes are an ideal choice for ICT/ FCT as well as for Special Purpose Machines with Automation and Robotic solutions. They are a good choice for demanding applications..



Recommended Socket / Receptacle Series for
Multi-purpose Test Probes ST1020 is RCP079.
See Page 65 - 66 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 ST1020 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	-	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

ST1020 CG 5 6 M

a b c d e f g

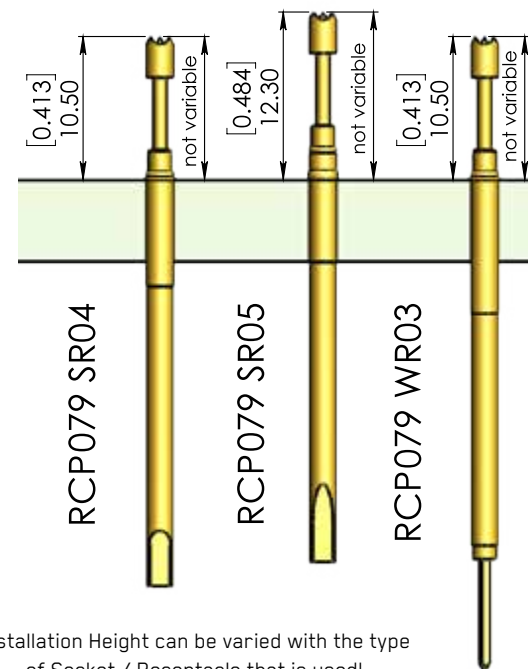
a: Series • b: Plunger Plating • c: Tip Style • d: Plunger Material • e: Tip Diameter Code • f: Spring Force Code • g: Special Tip Diameter [mm x 100]

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

Tip Style	Plunger Material	Tip Diameter Code	Plunger Plating	A Tip Diameter	
				mm	[inches]
CA	5	5		2.00	0.079
CC	5	4	-	1.30	0.051
CG	5	3	-	1.30	0.051
CG	5	3	N	1.30	0.051
CG	5	5	R	1.80	0.071
CG	5	6	-	2.00	0.079
CG	5	8	N	2.50	0.098
CG	5	9	-	3.00	0.118
FA	0	4	-	0.80	0.031
FA	0	5	-	1.00	0.039
FA	5	5	-	1.00	0.039
FA	5	6	-	1.50	0.059
FA	5	8	-	2.00	0.079
HK	5	4	N	1.75	0.069
HK	5	5	R	2.00	0.079

Tip Diameter Code changes according to the Tip Style.

*Other Tip Styles available on request.

Installation Height with different
Sockets / Receptacles

Installation Height can be varied with the type of Socket / Receptacle that is used!

For detailed Sockets / Receptacles for Serie ST1020 and other collar sizes See Page 65 - 66.

Socket / Receptacle Ordering Code Example

RCP079 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.

Tip Style	Plunger Material	Tip Diameter Code	Plunger Plating	A Tip Diameter	
				mm	[inches]
RA	5	5	-	1.00	0.039
RA	5	6	-	1.30	0.051
RA	5	7	-	1.40	0.055
RA	5	9	-	2.00	0.079
TA	5	3	-	1.40	0.055
TA	5	4	-	1.80	0.071
TA	5	5	-	2.00	0.079
UB	5	4	-	0.80	0.031
UB	5	5	-	1.00	0.039
UB	5	5	N	1.00	0.039

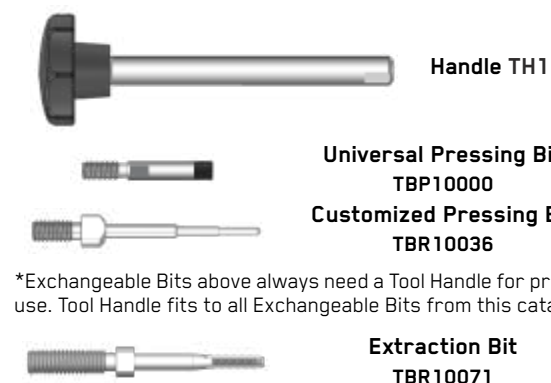
Note: Plunger material may vary depending on the series with different collar height. Please contact our representative to find exact part number.

Not available standard insertion / extraction tool for this tip size in default grid. Please See Page 7 for list of Special Tools.

MULTI-PURPOSE TEST PROBE SERIES
STANDARD COLLAR SIZES

Series	Collar Height B mm [inches]	Installation height W/O receptacle C mm [inches]	Total Length D mm [inches]
ST1020	2.00 [0.079]	10.30 [0.406]	32.30 [1.272]
ST1023	5.00 [0.197]	13.30 [0.524]	35.30 [1.390]
ST1028	8.00 [0.315]	16.30 [0.642]	38.30 [1.508]
ST1030	10.00 [0.394]	18.30 [0.720]	40.30 [1.587]

Tool for RCP079 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 Plating

Code	Material
No letter	Hard Gold

RCP079

SOCKETS / RECEPTACLES

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:

Brass / 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

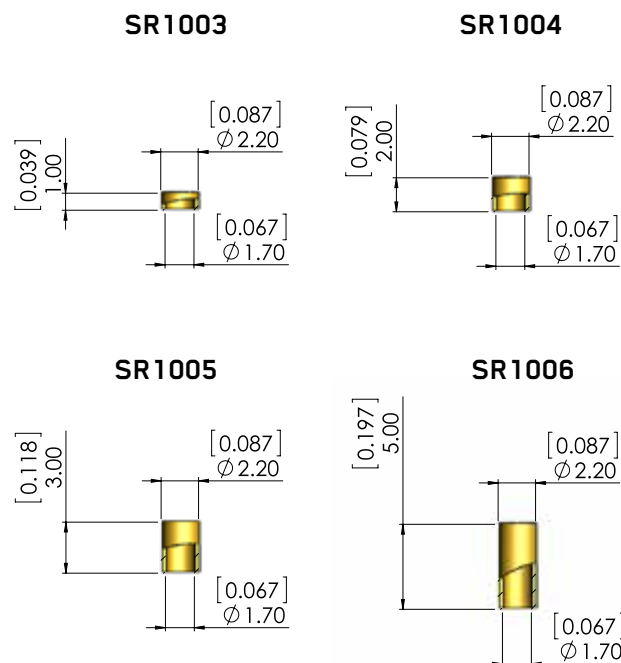
Compatible Series for RCP079:

ST1013	ST1018	ST1030
ST1014	ST1019	ST1034
ST1015	ST1020	ST1036
ST1016	ST1023	ST1055
ST1017	ST1028	

High-current Series with RCP079 SR04 & WR03 only!

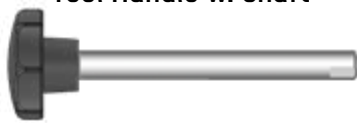
HC1000	HC1003	HC1007
HC1001	HC1004	HC1008
HC1002	HC1005	HC1033

Design	Code	Description
	WR	Wire-Wrap Square Post ☐
	SR	Solderable
	SR	Solderable



By placing these Spacing Rings under the Sockets / Receptacles collars, more customized Installation Heights can be reached on a very cost - effective way.

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

Tool for RCP079 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	TBP10000	TBR10036	TBR10071
*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	
RCP079	SR04	Code	Material
x	y	z	
No letter			Hard Gold

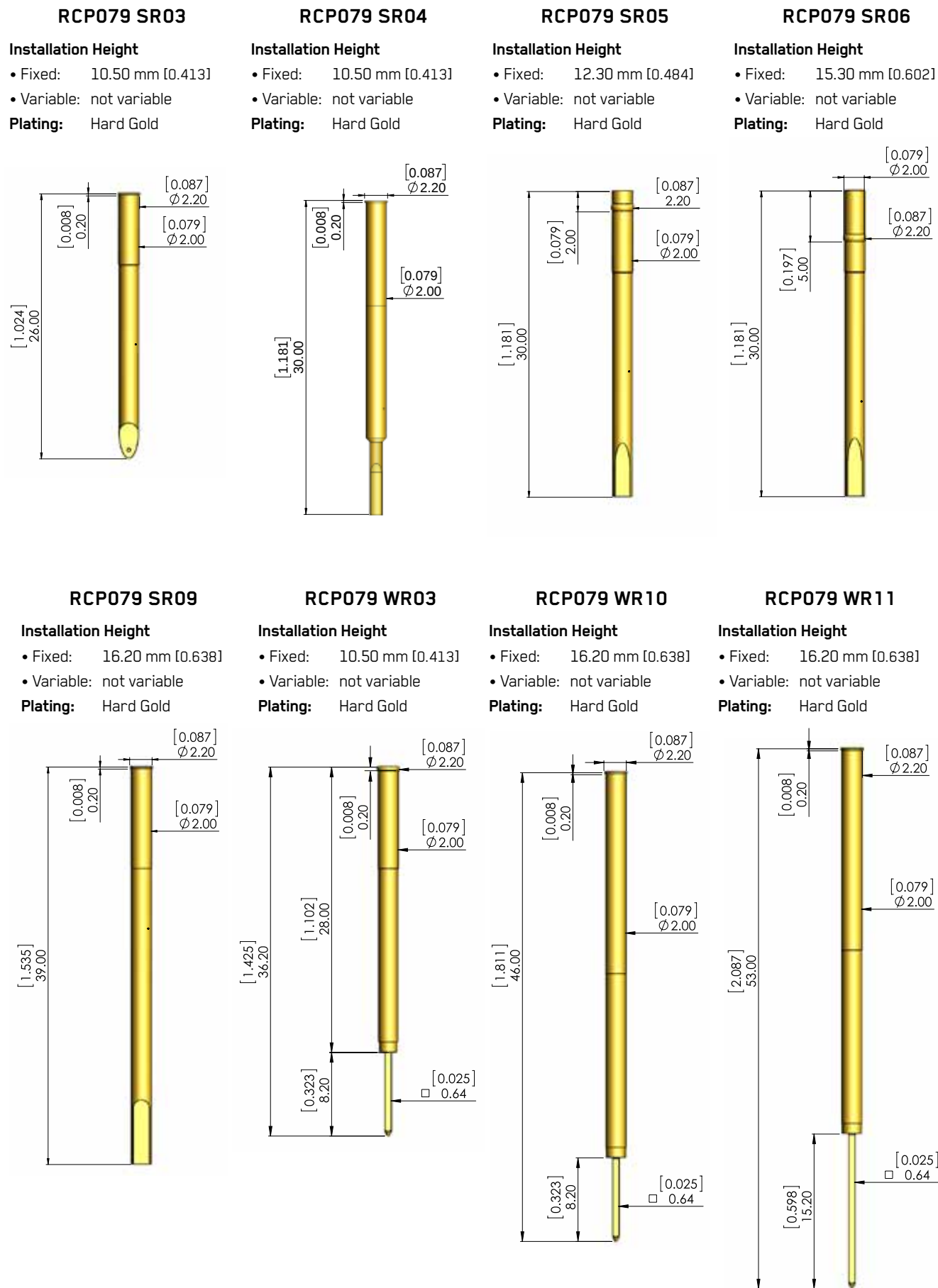
x: Series • y: Socket / Receptacle Plating • z: Option

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

RCP079

Type Information and Installation Height Data with inserted Test Probes ST1020*



ST1013 /14/15/16/17/18/19 MULTI-PURPOSE TEST PROBES

Technical Specifications

Recommended Working Stroke: 4.00 mm [0.157]

Full Stroke: 5.00 mm [0.197]

Max. Current: 5 - 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

Spring Force at Working Stroke (2/3)		
Code	Rated force	
	(N)	[oz]
M	1.50	5.4
L	2.20	7.9
X	3.00	10.8
U	5.00	18.0

Plunger Material	
Code	Material
0	BeCu
5	Steel

Plunger Plating	
Code	Material
No letter	Hard Gold
R	Rhodium
N	Nickel

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

Tool for ST1013 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	TBP11835	TBP11870

*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

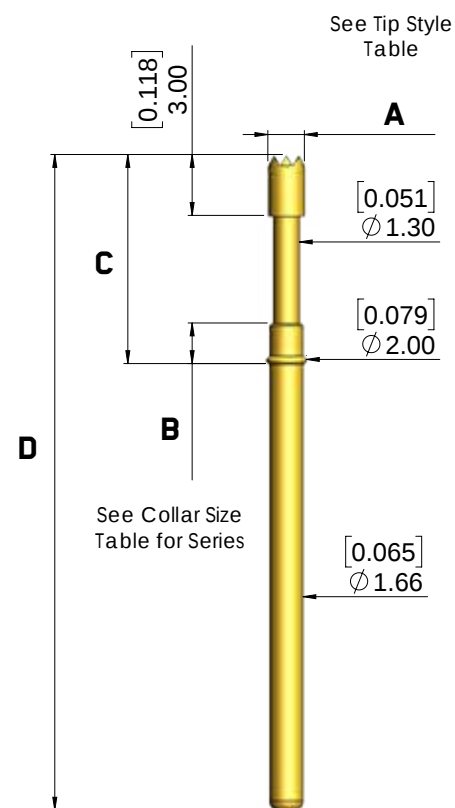
ST1013 CG 5 4 L

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.

These robust-designed double guided Test Probes are an ideal choice for ICT/FCT as well as for Special Purpose Machines with Automation and Robotic solutions. They are a good choice for demanding applications.



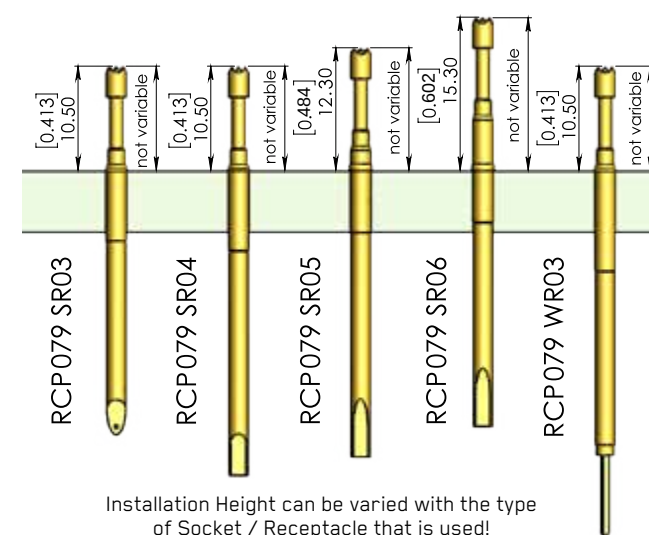
Recommended Socket / Receptacle Series for Multi-purpose Test Probes ST1013 is RCP079. See Page 65 - 66 for detailed information.

TIP STYLES

Tip Style		Plunger Material	Tip Diameter Code	Plunger Plating	A Tip Diameter	
					mm	inches
	CC	5	3	-	1.30	0.051
		5	4	-	1.80	0.071
	CG	5	4	-	1.40	0.055
		5	6	R	1.80	0.071
		0	7	R	2.00	0.079
		5	8	R	2.50	0.098
	ER	5	3	-	1.30	0.051
		5	4	-	1.40	0.055
		5	6	-	1.80	0.071
		5	8	-	2.50	0.098
	FA	0	5	-	2.50	0.098
		5	4	N	1.75	0.069
	HK	5	4	N	1.75	0.069
	LA	5	3	N	1.30	0.051
	TA	0	4	-	1.80	0.071
		5	4	N	1.80	0.071
		0	6	-	2.00	0.079
		0	7	-	2.50	0.098
	UB	5	5	R	0.80	0.031
		5	7	R	1.30	0.051
	UH	5	5	-	0.80	0.031

Tip Diameter Code changes according to the Tip Style.

Installation Height with different Sockets / Receptacles



For detailed Sockets / Receptacles for Serie ST1013 and other collar sizes See Page 65 - 66.

Socket / Receptacle Ordering Code Example

RCP079 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.

MULTI-PURPOSE TEST PROBE SERIES STANDARD COLLAR SIZES

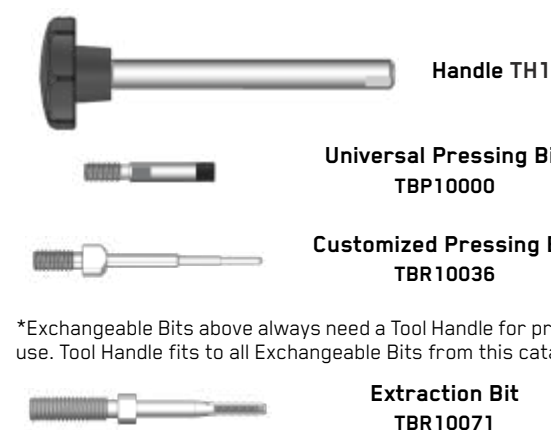
Series	Collar Height	Installation height W/O receptacle	Total Length
	B mm [inches]	C mm [inches]	D mm [inches]
ST1013	2.00 [0.079]	10.30 [0.406]	32.00 [1.260]
ST1014	3.00 [0.118]	11.30 [0.445]	33.00 [1.299]
ST1015	4.00 [0.157]	12.30 [0.484]	34.00 [1.339]
ST1016	5.00 [0.197]	13.30 [0.524]	35.00 [1.378]
ST1017	6.00 [0.236]	14.30 [0.563]	36.00 [1.417]
ST1018	7.00 [0.276]	15.30 [0.602]	37.00 [1.457]
ST1019	10.00 [0.394]	18.30 [0.720]	40.00 [1.575]

Note: Plunger material may vary depending on the series with different collar height. Please contact our representative to find exact part number.

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

Please See Page 7 for list of Special Tools.

Tool for RCP079 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 Plating

Code	Material
No letter	Hard Gold

ST1034

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ACTUAL SIZE

ST1036

MULTI-PURPOSE TEST PROBES

TIP STYLES

ST1036

Technical Specifications

Recommended Working Stroke: 8.00 mm [0.315]

Full Stroke: 9.80 mm [0.386]

Max. Current: 5 - 8 A (continuous)

Average Resistance: max. 20 mΩ

Barrel Material:

Phosphor Bronze / Beryllium Copper

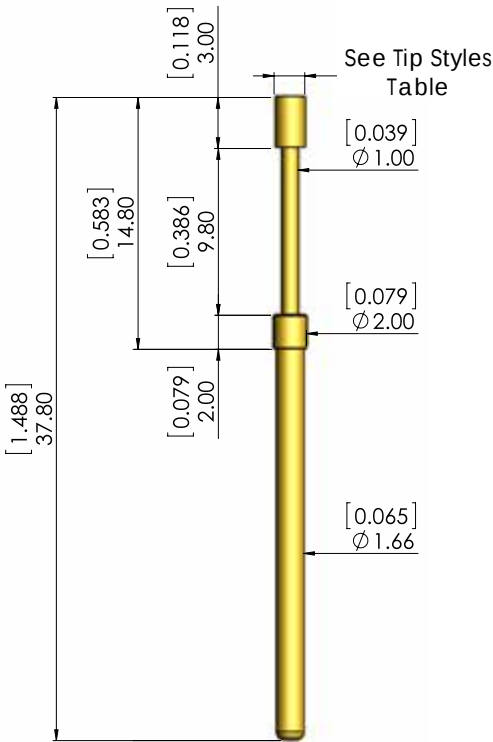
Spring Material: Spring Steel Gold Plated

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 robust-designed Test Probes are an ideal choice for ICT/ FCT as well as for Special Purpose Machines with Automation and Robotic solutions. They are a good choice for demanding applications.



Recommended Socket / Receptacle Series for Multi-purpose Test Probes ST1036 is RCP079. See Page 65 - 66 for detailed information.

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

Plunger Material	
Code	Material
0	BeCu
5	Steel

Plunger Plating	
Code	Material
No letter	Hard Gold
R	Rhodium

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

Tool for ST1036 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	-	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						
ST1036	TA	0	4	M		
a	b	c	d	e	f	g

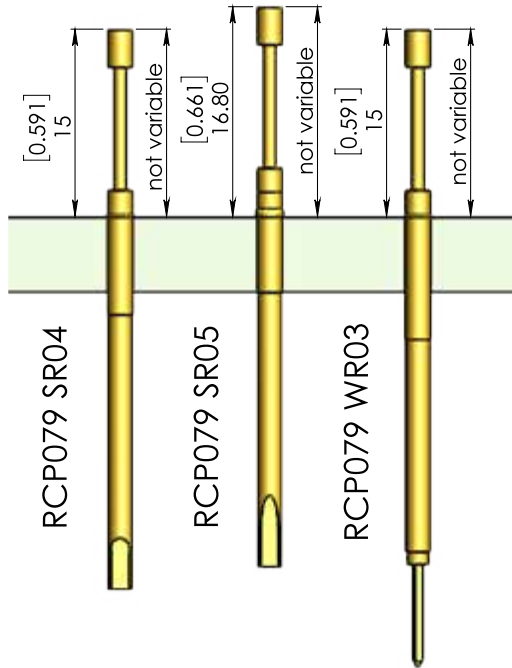
a: Series • b: Plunger Plating • c: Tip Style • d: Plunger Material • e: Tip Diameter Code • f: Spring Force Code • g: Special Tip Diameter [mm x 100]

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

Tip Style	Plunger Material	Tip Diameter Code	Plunger Plating	Tip Diameter	
				mm	[inches]
CA	5	4	R	1.30	0.051
CG	5	3	R	1.30	0.051
TA	0	4	-	1.80	0.071
	0	5	-	2.00	0.079

Tip Diameter Code changes according to the Tip Style.

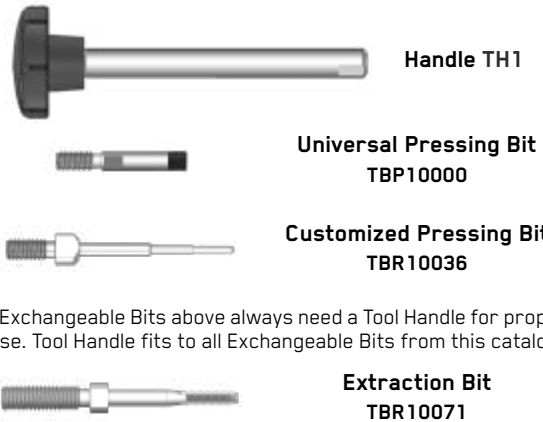
Installation Height with different Sockets / Receptacles



Installation Height can be varied with the type of Socket / Receptacle that is used!

For detailed Sockets / Receptacles for ST1036 See Page 65 - 66.

Tool for RCP079 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	
RCP079	WR	03	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.

ST1250

MULTI-PURPOSE TEST PROBES

TIP STYLES

ST1250

Technical Specifications

Recommended Working Stroke: 4.40 mm [0.173]

Full Stroke: 6.60 mm [0.248]

Max. Current: 5 - 8 A (continuous)

Average Resistance: < 100 mΩ

Barrel Material:

Beryllium Copper

Spring Material: Spring Steel Gold Plated

Operating Temperature: - 50 °C up to + 150 °C
[- 58 °F up to + 302 °F]

Mounting Hole Size:

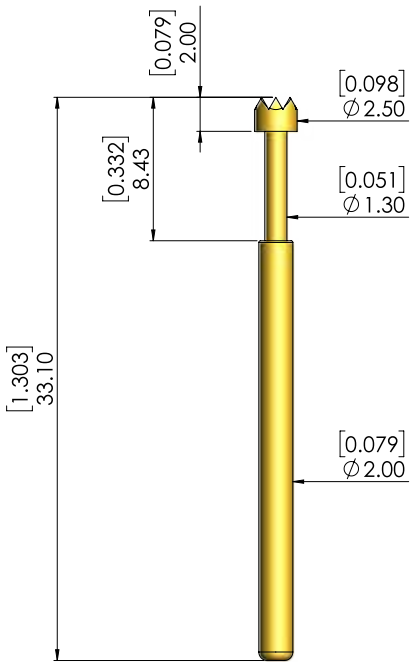
Socket / Receptacle Diameter + 0.01 - 0.03 mm
[0.394 - 1.181 mil] drill bits are recommended.^A

Spring Force at Working Stroke (2/3)		
Code	Rated force	
	(N)	[oz]
M	1.20	4.3
L	2.20	7.9
X	3.00	10.8

Plunger Material	
Code	Material
0	BeCu

Plunger Plating	
Code	Material
No letter	Hard Gold

These robust-designed Test Probes are an ideal choice for ICT/ FCT as well as for Special Purpose Machines with Automation and Robotic solutions. They are a good choice for demanding applications.



Recommended Socket / Receptacle Series for Multi-purpose Test Probes ST1250 is RCP093. See Page 74 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 ST1250 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	-	TBR12570

*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						
ST1250	CG	05	L			
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]

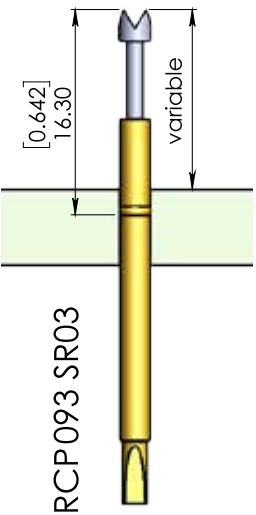
By default Plunger is Hard Gold plated and it is not marked in the PO Code. Fill position b: only if different.

Tip Style	Plunger Material	Tip Diameter Code	Diameter	
			mm	[inches]
	CA	0	5	2.50 0.098
	CG*	0	5	2.50 0.098
	FA	0	7	2.50 0.098
	RA	0	11	2.50 0.098
	TA	0	5	2.50 0.098

≡ Tip Diameter Code changes according to the Tip Style.

*Used in TRI testers as interface probes

Installation Height



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

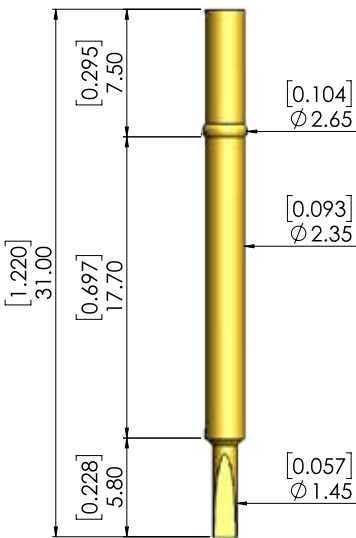
RCP093 SR03

Installation Height

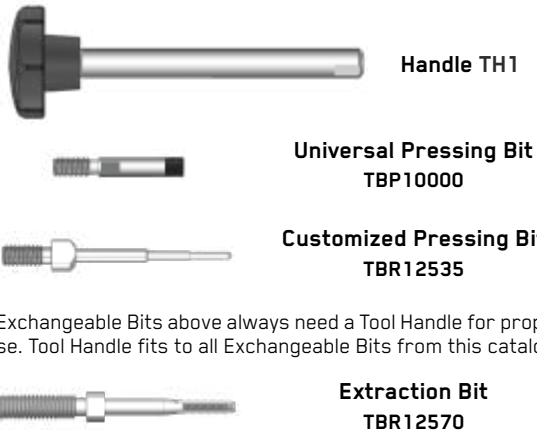
- Fixed: 16.00 mm [0.630]
- Variable: variable
- Feature: press - ring

Material: BeCu / Nickel Silver

Plating: Hard Gold



Tool for RCP093 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	
RCP093	SR03		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.

ST1608 /09

MULTI - PURPOSE TEST PROBES

TIP STYLES

ST1608

Technical Specifications

Recommended Working Stroke: 4.00 mm [0.157]

Full Stroke: 5.30 mm [0.209]

Max. Current: 5 - 8 A (continuous)

Average Resistance: max. 30 mΩ

Barrel Material: Phosphor Bronze / Beryllium Copper

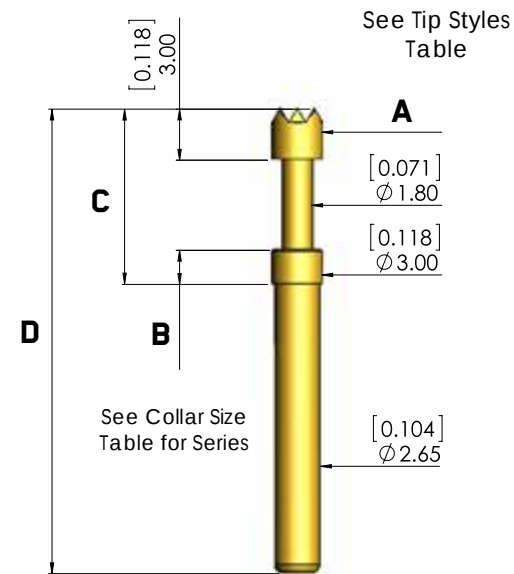
Spring Material: Spring Steel Gold Plated

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 robust-designed Test Probes are an ideal choice for ICT/FCT as well as for Special Purpose Machines with Automation and Robotic solutions. They are a good choice for demanding applications.



Recommended Socket / Receptacle Series for
Multi-purpose Test Probes ST1608 is RCP118.
See Page 77 - 78 for detailed information.

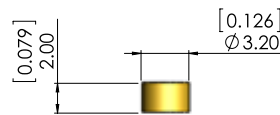
Spring Force at Working Stroke (2/3)

Code	Rated force	
	(N)	[oz]
M	1.50	5.4
L	2.20	7.9
X	3.00	10.8
U	5.00	18.0

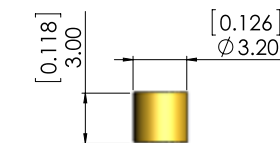
Plunger Material	
Code	Material
5	Steel

Plunger Plating	
Code	Material
No letter	Hard Gold
N	Nickel

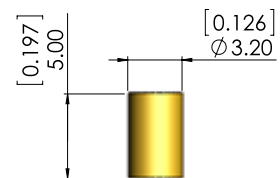
SR1604 Spacer Ring



SR1605 Spacer Ring



SR1606 Spacer Ring



By placing these Spacing Rings under the Sockets / Receptacles collars, more customized Installation Heights can be reached on a very cost - effective way.

Material: Brass - Gold Plated

High-current version available. See Page 164.

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

Tool for ST1608 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	TBP16000	TBP16035	TBP16070

*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

ST1608 CG 5 6 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 Styles for ST1608		Plunger Material	Tip Diameter Code	Plunger Plating	A Tip Diameter	
					mm	[inches]
	CG	5	4	-	2.30	0.091
		5	6	-	3.00	0.118
		5	8	-	4.00	0.157
	FA	0	4	-	1.00	0.039
		0	5	-	1.40	0.055
		0	6	-	1.80	0.071
		5	6	-	1.80	0.071
		0	7	-	2.30	0.091
		5	7	-	2.30	0.091
		0	9	-	3.00	0.118
	FC	0	3	-	1.80	0.071
		5	6	-	1.80	0.071
	RA	5	7	-	2.30	0.091
		5	6	-	2.30	0.091
	TA	0	4	-	2.50	0.098
		5	4	-	2.50	0.098
		5	4	N	2.50	0.098
		5	6	-	4.00	0.157
	TB	0	2	-	2.50	0.098
	UB	5	3	R	1.80	0.071

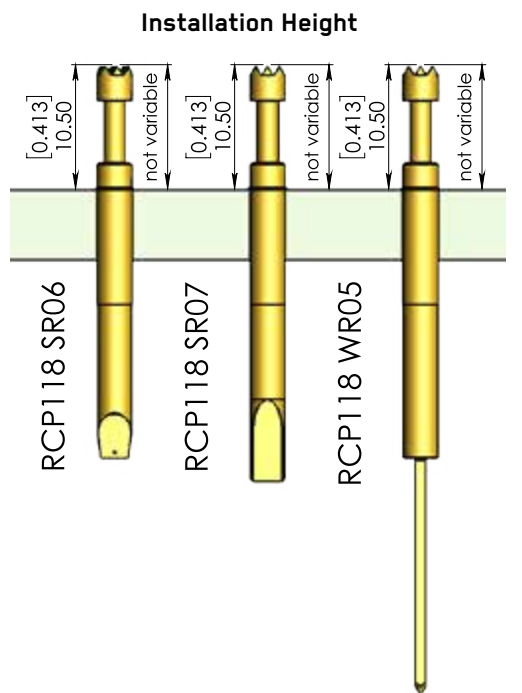
Tip Diameter Code changes according to the Tip Style.

- Not available standard insertion / extraction tool for this tip size in default grid. Please See Page 7 for list of Special Tools.

**MULTI-PURPOSE TEST PROBE SERIES
STANDARD COLLAR SIZES**

Series	Collar Height B mm [inches]	Installation height W/O receptacle C mm [inches]	Total Length D mm [inches]
ST1608	2.00 [0.079]	10.30 [0.406]	27.30 [1.075]
ST1609	5.00 [0.197]	13.50 [0.531]	30.50 [1.201]

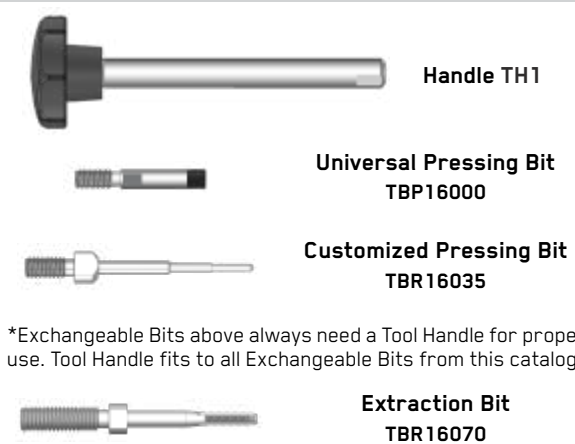
Note: Plunger material may vary depending on the series with different collar height. Please contact our representative to find exact part number.



Installation Height can be varied with the type of Socket / Receptacle that is used!

For detailed Sockets / Receptacles for ST1608 and other collar size See Page 77 - 78.

**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

RCP118 SR 06

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

RCP118

SOCKETS / RECEPTACLES

SOCKETS / RECEPTACLES

RCP118

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

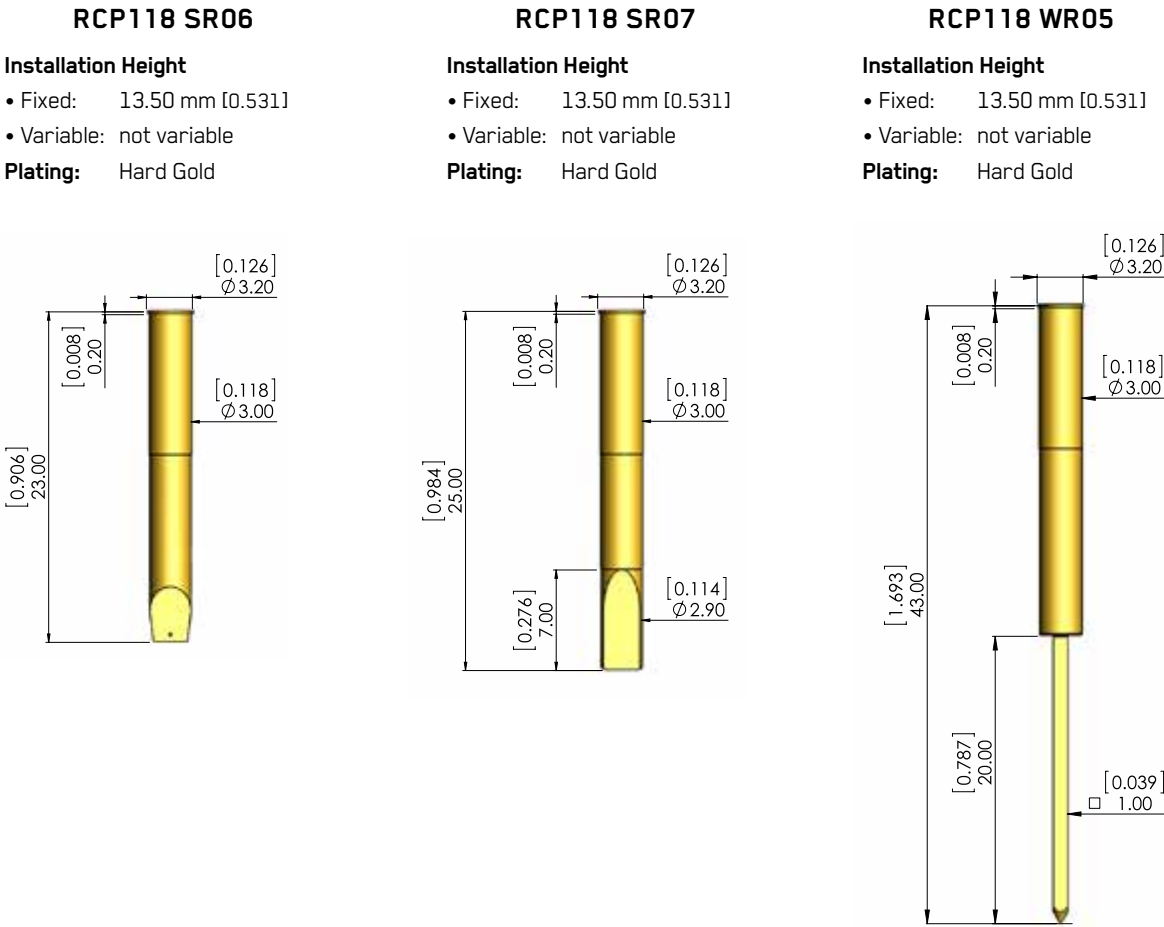
- Average Resistance:** < 20 mΩ
- Socket / Receptacle Material:** Brass
- Round & Square Post:** Brass / Phosphor Bronze
- Mounting Hole Size:**
Socket / Receptacle Diameter + 0.01 - 0.03 mm
[0.394 - 1.181 mil] drill bits are recommended.^Δ

Compatible Series for RCP118:

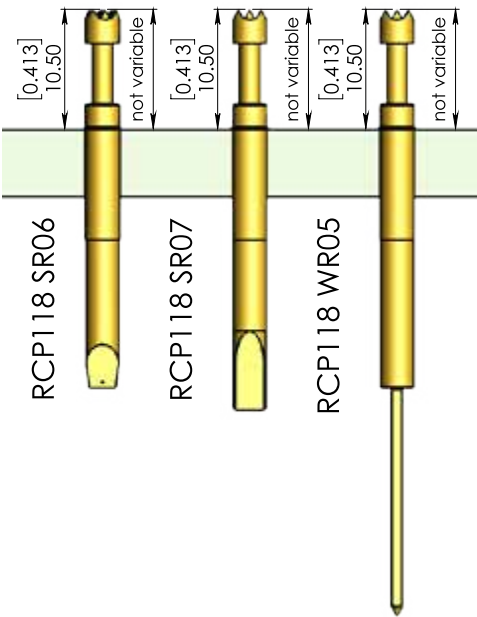
ST1608	HC1601	NRSW1400 (SR06)
ST1609	HC1602	
HC1600	SW01400 (SR06)	

Design	Code	Description
	WR	Wire-Wrap Square Post ☐
	SR	Solderable
	SR	Solderable

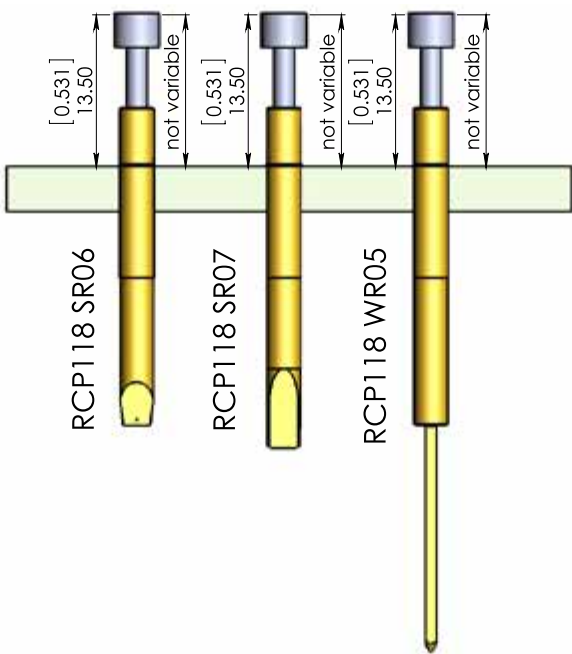
Type Information and Installation Height Data with inserted Test Probes ST1609*



Installation Height for Test Probe ST1608



Installation Height for Test Probe ST1609

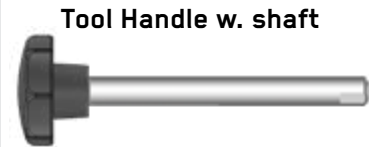


*For more Technical information about Installation Heights for other Series consult with us at: info@equip-test.com

Socket / Receptacle Ordering Code Example			Socket / Receptacle Plating	
RCP118 SR06			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 PD Code. Fill position y: only if different.

Tool for RCP118 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	TBP16000	TBR16035	TBR16070
*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)

ST1615

MULTI-PURPOSE TEST PROBES

TIP STYLES

ST1615

Technical Specifications

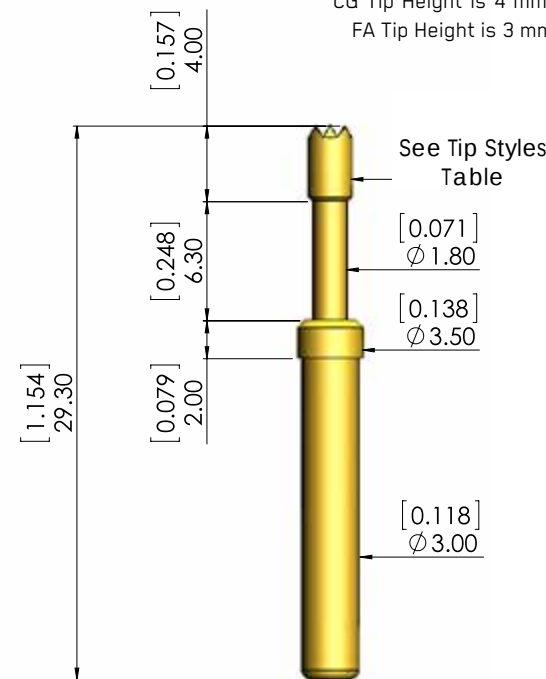
Recommended Working Stroke: 4.80 mm [0.189]**Full Stroke:** 6.00 mm [0.236]**Max. Current:** 5 - 8 A (continuous)**Average Resistance:** max. 30 mΩ**Barrel Material:**

Phosphor Bronze / Beryllium Copper

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 robust-designed Test Probes are an ideal choice for ICT/ FCT as well as for Special Purpose Machines with Automation and Robotic solutions. They are a good choice for demanding applications.

*CG Tip Height is 4 mm and
FA Tip Height is 3 mm.



Recommended Socket / Receptacle Series for
Multi-purpose Test Probes ST1615 is RCP138.
See Page 80 for detailed information.

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

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 ST1615 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	TBP16000	-	TBP16070

*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

ST1615 CG 53 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]

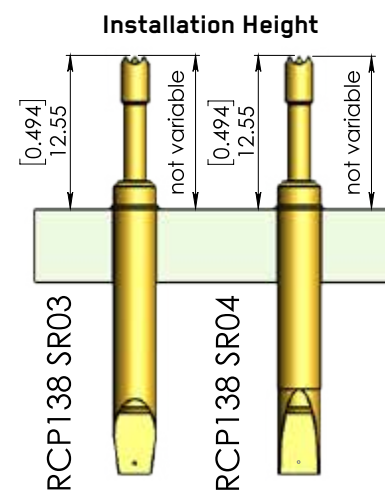
By default Plunger is Hard Gold plated and it is not marked in the PO Code. Fill position b: only if different.

Tip Styles	Plunger Material	Tip Diameter Code	Tip Diameter	
			mm	[inches]
	CG	5	3	2.30 0.091
		5	5	4.00 0.157
	FA	5	5	6.50 0.256

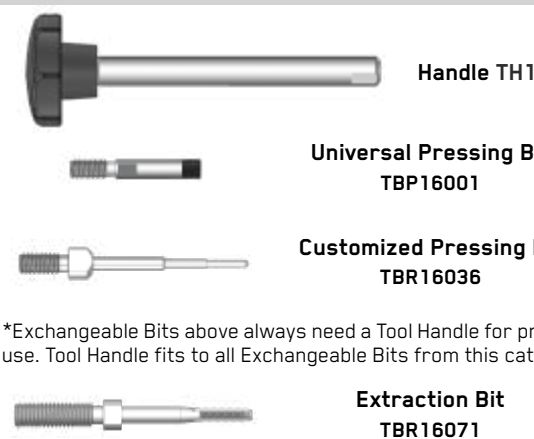
Tip Diameter Code changes according to the Tip Style.

*Other Tip Styles available on request.

Not available standard insertion / extraction tool for this tip size in default grid. Please See Page 7 for list of Special Tools.



Tool for RCP138 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

RCP138 SR03
x y z

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

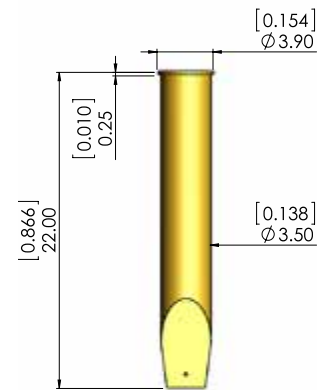
By default Socket / Receptacle is Hard Gold plated and it is not marked in the PO Code. Fill position y: only if different.

RCP138 SR03

Installation Height

• Fixed: 12.55 mm [0.494]

• Variable: not variable

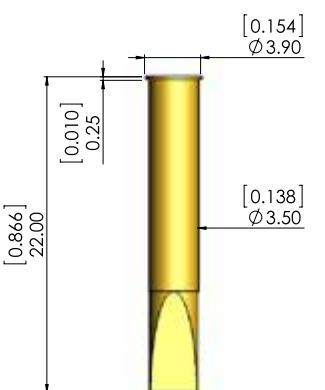
Plating: Hard Gold**Material:** Brass /
Phosphor Bronze

RCP138 SR04

Installation Height

• Fixed: 12.55 mm [0.494]

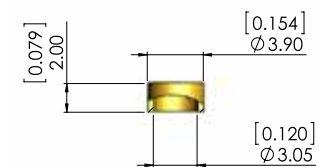
• Variable: not variable

Plating: Hard Gold**Material:** Brass /
Phosphor Bronze

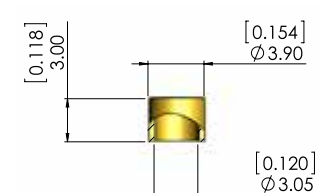
By placing these Spacing Rings under the Sockets / Receptacles collars, more customized Installation Heights can be reached on a very cost - effective way.

Material: Brass - Gold Plated

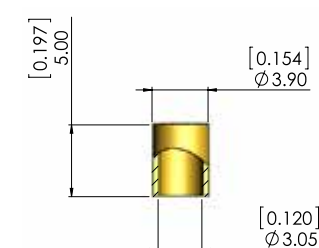
SR1607 Spacer Ring



SR1608 Spacer Ring



SR1609 Spacer Ring



Socket / Receptacle Plating	
Code	Material
No letter	Hard Gold

ST1616

MULTI-PURPOSE TEST PROBES

TIP STYLES

ST1616

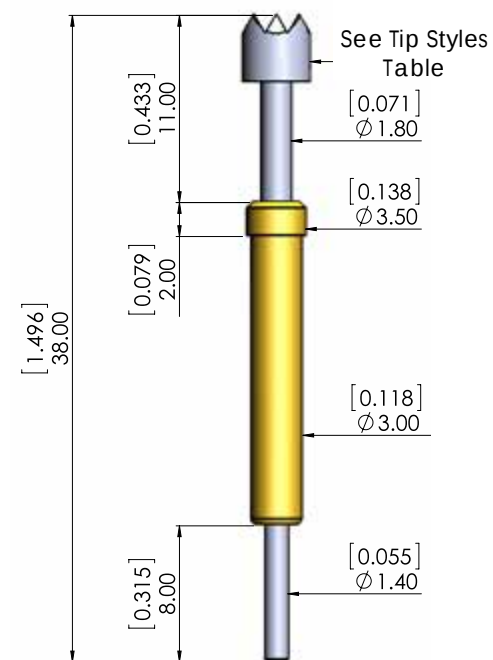
Technical Specifications

Recommended Working Stroke: 5.60 mm [0.220]**Full Stroke:** 7.00 mm [0.276]**Max. Current:** 12 - 15 A (continuous)**Average Resistance:** max. 20 mΩ**Barrel Material:**

Phosphor Bronze / Beryllium Copper

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 robust-designed Test Probes, with a continuous/through plunger, are an ideal choice for ICT/FCT as well as for Special Purpose Machines with Automation and Robotic solutions. The through-hole Plunger enables this Probe to push a Switch Probe that is mounted underneath.



Recommended Socket / Receptacle Series for Multi-purpose Test Probes ST1616 is RCP138. See **Page 80** for detailed information.

Spring Force at Working Stroke (2/3)		
Code	Rated force	
	(N)	[oz]
M	1.50	5.4
X	3.00	10.8
U	5.00	18.0

Plunger Material	
Code	Material
0	BeCu
5	Steel

Plunger Plating	
Code	Material
R	Rhodium

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

Tool for ST1616 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	TBP16000	TBP16035	TBP16070

*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

ST1616 R CG06 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]

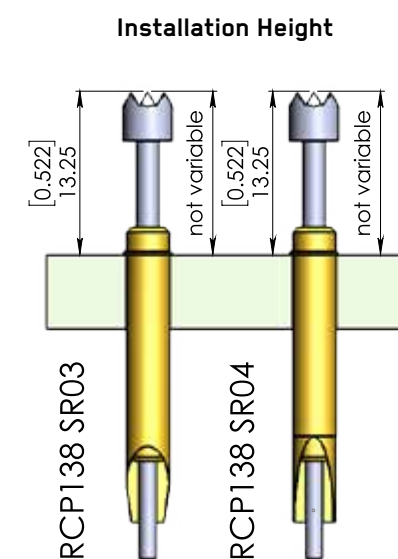
By default Plunger is Hard Gold plated and it is not marked in the PO Code. Fill position b: only if different.

Tip Styles	Plunger Material	Tip Diameter Code	Plunger Plating	Tip Diameter	
				mm	[inches]
	CG	0	R	4.00	0.157
	RA	5	R	1.80	0.071

Tip Diameter Code changes according to the Tip Style.

*Other Tip Styles available on request.

- Not available standard insertion / extraction tool for this tip size in default grid. Please See **Page 7** for list of Special Tools.



For detailed Sockets / Receptacles for ST1616 see **Page 102**.

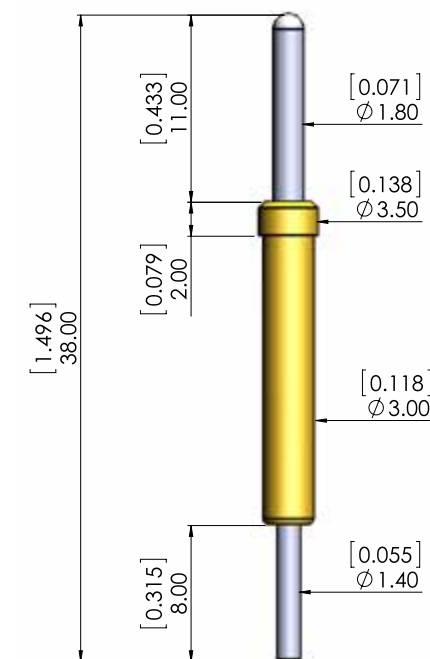
Socket / Receptacle Ordering Code Example

RCP138 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.

ST1616R RA53 M



Tool for RCP138 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 Plating

Code Material
No letter Hard Gold

ST1800

MULTI-PURPOSE TEST PROBES

TIP STYLES

ST1800

Technical Specifications

Recommended Working Stroke: 4.40mm [0.173]

Full Stroke: 6.35 mm [0.250]

Max. Current: 6 - 8 A (continuous)

Average Resistance: max. 20 mΩ

Barrel Material:

Beryllium Copper / Nickel Silver

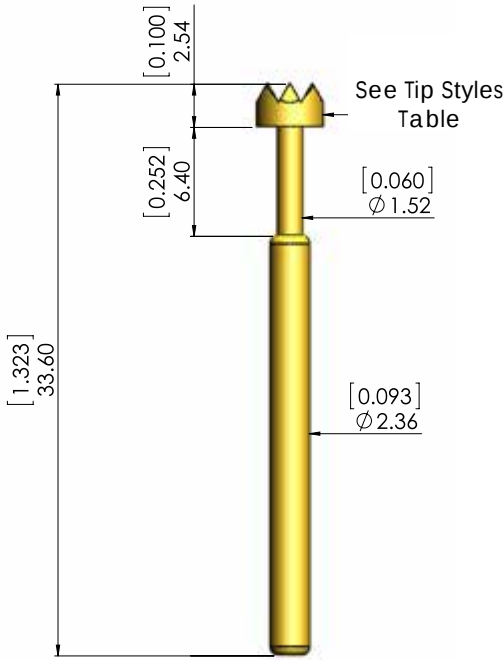
Spring Material: Spring Steel Gold Plated

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

These robust-designed Test Probes are an ideal choice for ICT/ FCT as well as for Special Purpose Machines with Automation and Robotic solutions. They are a good choice for demanding applications.



Spring Force at Working Stroke (2/3)		
Code	Rated force (N)	[oz]
M	1.50	5.4
L	2.50	9.0
X	3.00	10.8

Plunger Material	
Code	Material
5	Steel

Plunger Plating	
Code	Material
No letter	Hard Gold
R	Rhodium

Recommended Socket / Receptacle Series for Multi-purpose Test Probes ST1800 is RCP106. See Page 84 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 ST1800 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	TBP20000	TBP18735	TBP18770

*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						
ST1800	CG	5	4	L		
a	b	c	d	e	f	g

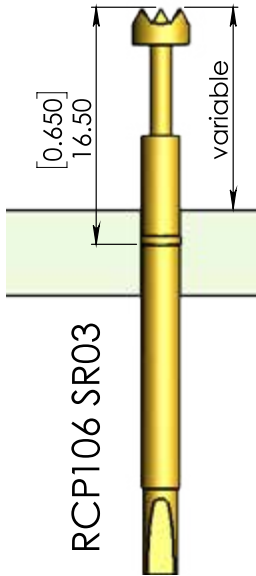
a: Series • b: Plunger Plating • c: Tip Style • d: Plunger Material • e: Tip Diameter Code • f: Spring Force Code • g: Special Tip Diameter [mm x 100]

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

Tip Styles	Plunger Material	Tip Diameter Code	Plunger Plating	Tip Diameter	
				mm	[inches]
	CG	5	4	-	3.96 0.156
	TA	5	5	-	3.96 0.156
	UB	5	3	R	1.52 0.060

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!

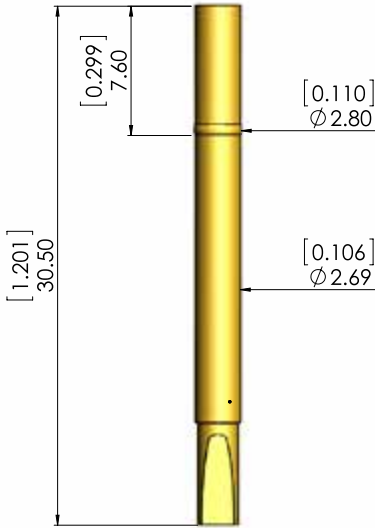
RCP106 SR03

Installation Height

- Fixed: 16.50 mm [0.650]
- Variable: variable
- Feature: press - ring

Material: Nickel Silver

Plating: Hard Gold



Tool for RCP106 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	
RCP106	SR03		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.

ST1870

MULTI-PURPOSE TEST PROBES

TIP STYLES

ST1870

Technical Specifications

Recommended Working Stroke: 4.40 mm [0.173]

Full Stroke: 6.35 mm [0.250]

Max. Current: 6 - 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]

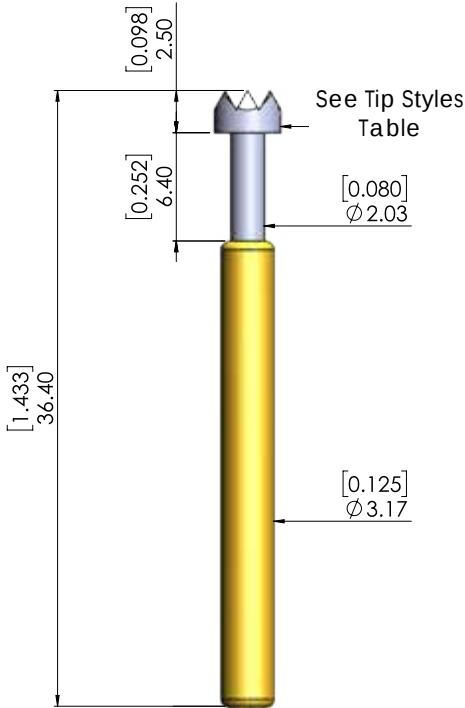
Mounting Hole Size:
Socket / Receptacle Diameter + 0.01 - 0.03 mm
[0.394 - 1.181 mil] drill bits are recommended.^Δ

Spring Force at Working Stroke (2/3)		
Code	Rated force	
	(N)	[oz]
N	2.25	8.1
X	4.75	17.1

Plunger Material	
Code	Material
0	BeCu
5	Steel

Plunger Plating	
Code	Material
R	Rhodium

These robust-designed Test Probes are an ideal choice for ICT/ FCT as well as for Special Purpose Machines with Automation and Robotic solutions. They are a good choice for demanding applications.



Recommended Socket / Receptacle Series for Multi-purpose Test Probes ST1870 is RCP139. See Page 86 for detailed information.

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

Tool for ST1870 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	TBP20000	TBP18736	TBP18771

*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						
ST1870	R	CG	5	4	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]

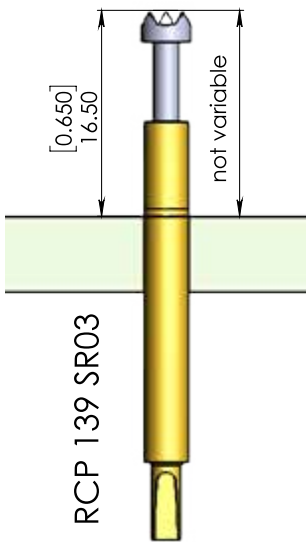
By default Plunger is Hard Gold plated and it is not marked in the PO Code. Fill position b: only if different.

Tip Styles	Plunger Material	Tip Diameter Code	Plunger Plating	Tip Diameter	
				mm	[inches]
	CG	5	4	R	3.96 0.156
	RA	0	3	-	2.03 0.080
	TA	5	3	R	2.36 0.093
	UB	5	3	R	2.03 0.080

≡ 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!

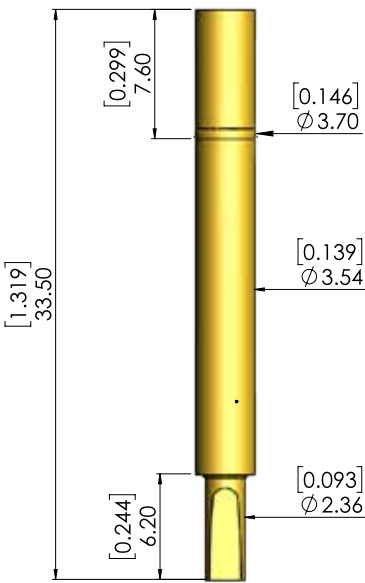
RCP139 SR03

Installation Height

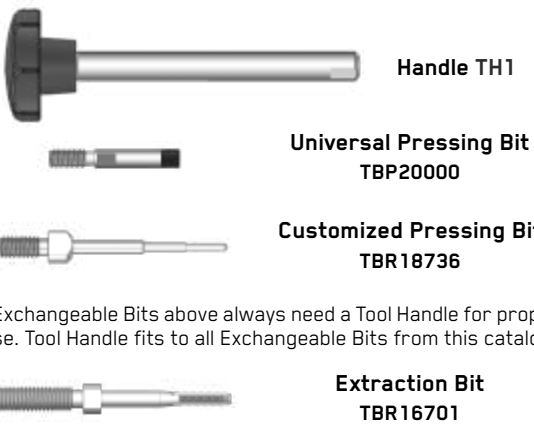
- Fixed: 16.50 mm [0.650]
- Variable: variable
- Feature: press - ring

Material: Bronze / Nickel Silver

Plating: Hard Gold



Tool for RCP139 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	
RCP139	SR03		Code	Material
			No letter	Hard Gold
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.

IT1000

Interface Probes

TIP STYLES

IT1000

Technical Specifications

Recommended Working Stroke: 2.60 mm [0.102]

Full Stroke: 3.2 mm [0.126]

Max. Current: 4 - 5 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

Interface Probes provide the electro-mechanical contact between the Test System and the Test Fixture.

IT1000 Interface Probes are used in 170-TP "Pylon Type" Signal Blocks and as replacement Probes in the following Teradyne/GenRad ICT Test Systems:

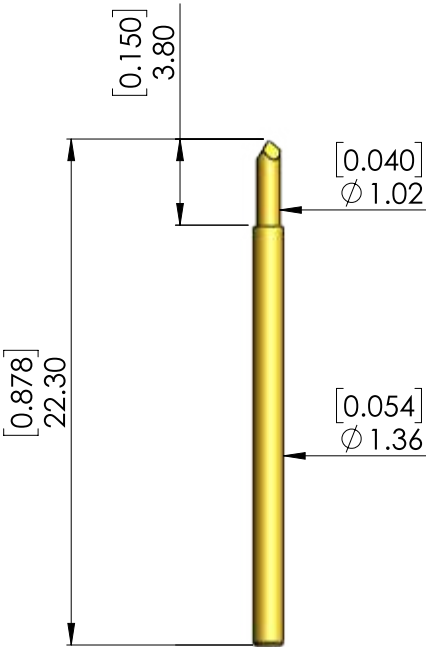
2270; 2271; 2272; 2282 (all models); 2283; 2284; 2286; 2287 manufactured before 07/1995.

Furthermore they are also used in Rohde & Schwarz ICT and 3030 SPEA ICT Test Systems & SPEA Towers.

Spring Force at Working Stroke (2/3)		
Code	Rated force	
	(N)	[oz]
S	1.10	3.96

Plunger Material	
Code	Material
0	BeCu

Plunger Plating	
Code	Material
No letter	Hard Gold



Recommended Socket / Receptacle Series for Interface Probes IT1000 is RCP066. See Page 88 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 IT1000 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						
IT1000	1ER	0	3	S		
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]

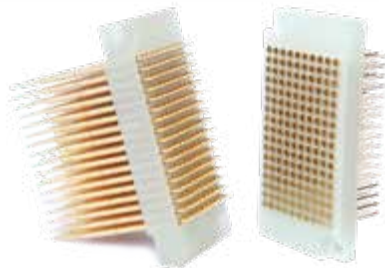
By default Plunger is Hard Gold plated and it is not marked in the PO Code. Fill position b: only if different.

Tip Styles	Plunger Material	Tip Diameter Code	Tip Diameter	
			mm	[inches]
	1ER	0	3	1.02 0.040

≡ Tip Diameter Code changes according to the Tip Style.



VF1 Vacuum ICT Fixture Kit with "Pylon Type" Interface Frame



ITA-ST-170-KT06
170 Pole Signal ITA Pylon Block

RCV-ST-170
170 Pole Signal Receiver Pylon Block

INTERFACE-PYL-9.6

Customized Interface on demand



*this configuration is customization example only, the Pylon Modules must be ordered separately

Test System Receiver



PYL-RCV-MU

Dimensions: 663 mm x 500 mm (616 mm with Handle)
Suitable for 10 pc Standard Blocks / 2 pc Custom Modules

PYL-ERCV-MU

EXTENDED VERSION

Dimensions: 663 mm x 680 mm (766 mm with Handle)
Suitable for 14 pc Standard Blocks / 2 pc Custom Modules

≡ Socket / Receptacle Ordering Code Example			Socket / Receptacle Plating	
RCP066 WR46			Code	Material
x	y	z	No letter	Hard Gold

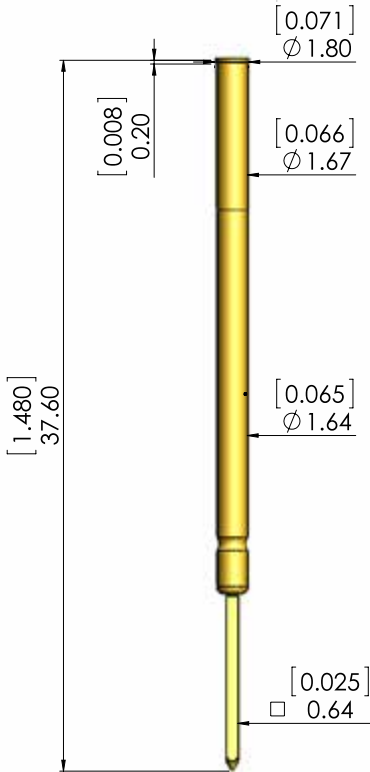
x: Series • y: Socket / Receptacle Plating • z: Option

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

RCP066 WR46

Plating: Hard Gold

Material: Bronze / Nickel Silver



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



Handle TH1



Universal Pressing Bit TBP10000



Customized Pressing Bit TBR10035

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



Extraction Bit TBR10070

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

BIT1000

Banana Interface Probes

TIP STYLES

BIT1000

Technical Specifications

Recommended Working Stroke: 2.60 mm [0.102]

Full Stroke: 3.2 mm [0.126]

Max. Current: 4 - 5 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]

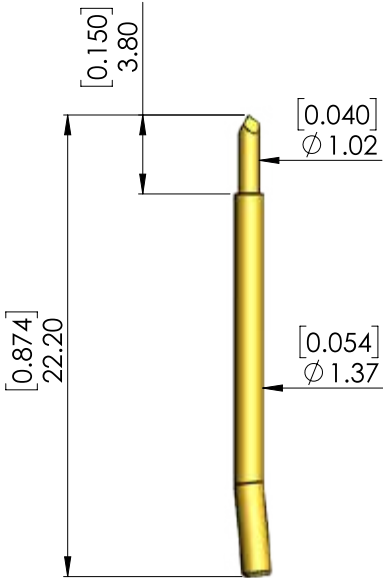
Mounting Hole Size:

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

Banana Interface Probes are used when the Sockets / Receptacles loose their securing force after the Interface Probes have been exchanged a number of times. In this case, the Banana-style Probes allow continued usage of the Receptacles and avoids expensive maintenance work (extraction and re-wiring) when replacing them.

The BIT 1000 Banana Interface Probe is the replacement probe for the following Teradyne/GenRad ICT Test Systems:

2270; 2271; 2272; 228x ICA (all models); 2283; 2284; 2286; 2287 manufactured before 07/1995.



Recommended Socket / Receptacle Series for Banana Interface Probes BIT1000 is RCP066. See Page 90 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 BIT1000 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						
BIT1000	1ER	0	3	SX		
a	b	c	d	e	f	g

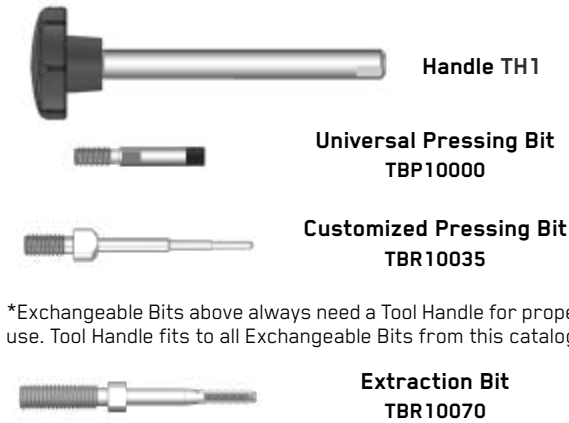
aa: Series • b: Plunger Plating • c: Tip Style • d: Plunger Material • e: Tip Diameter Code • f: Spring Force Code • g: Special Tip Diameter [mm x 100]

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

Tip Styles	Plunger Material	Tip Diameter Code	Tip Diameter	
			mm	[inches]
	1ER	0	3	1.02 0.040

Tip Diameter Code changes according to the Tip Style.

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



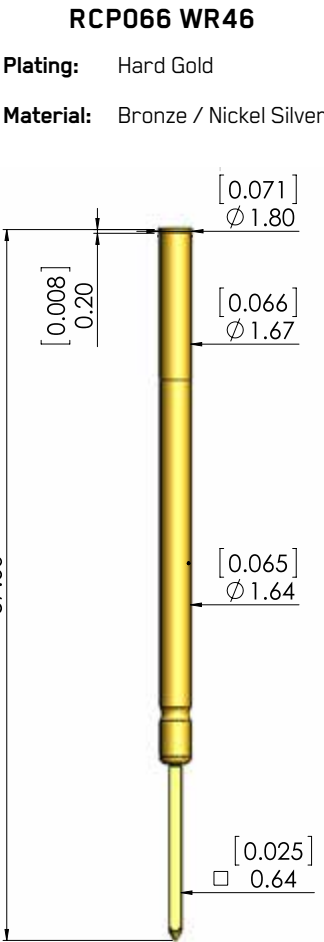
*Exchangeable Bits above always need a Tool Handle for proper use. Tool Handle fits to all Exchangeable Bits from this catalog.

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

Socket / Receptacle Ordering Code Example			Socket / Receptacle Plating	
RCP066	WR46		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.



Plating: Hard Gold
Material: Bronze / Nickel Silver

IT1001

Interface Probes

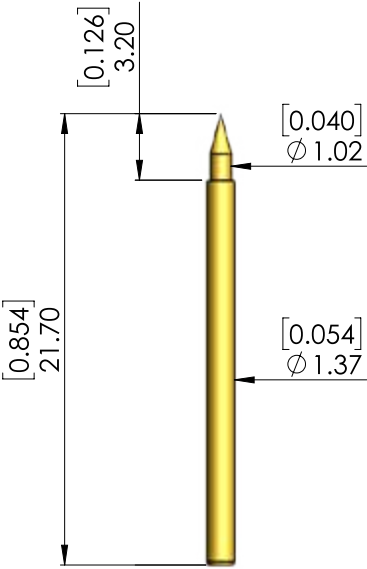
TIP STYLES

IT1001

Technical Specifications

Recommended Working Stroke: 2.1 mm [0.082]
Full Stroke: 3.2 mm [0.126]
Max. Current: 4 - 5 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

Interface Probes provide the electro-mechanical contact between the Test System and the Test Fixture.
IT1001 Interface Probes are used in 170-TP "Pylon Type" Signal Blocks and as replacement Probes in the following Teradyne/GenRad ICT Test Systems:
2280; 2281; 2281a; 2287a; 228x ICA (all models); 2283; 2284; 2286; 2287 manufactured after 07/1995.



Recommended Socket / Receptacle Series for Interface Probes IT1001 is RCP066.
See Page 92 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 IT1001 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						
IT1001	UB	0	3	SX		
a	b	c	d	e	f	g

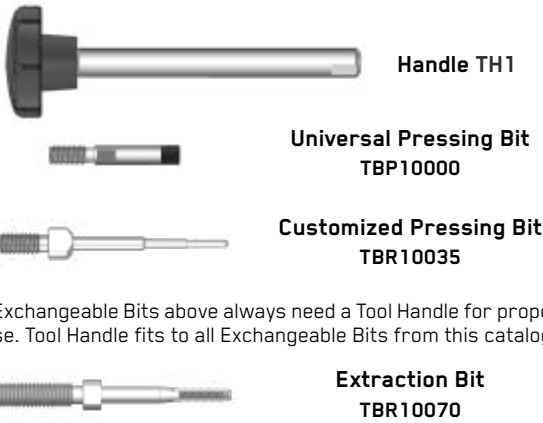
a: Series • b: Plunger Plating • c: Tip Style • d: Plunger Material • e: Tip Diameter Code • f: Spring Force Code • g: Special Tip Diameter [mm x 100]

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

Tip Styles	Plunger Material	Tip Diameter Code	Tip Diameter	
			mm	[inches]
	UB	0	3	1.02 0.040

Tip Diameter Code changes according to the Tip Style.

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.

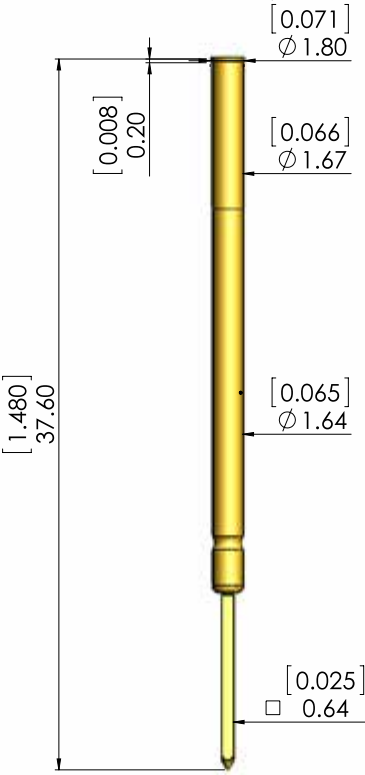
*Extraction Bit for Receptacle is applicable both to universal Handle TH1 and extraction optimized Handle TH2 (See Page 4)

Socket / Receptacle Ordering Code Example			Socket / Receptacle Plating	
RCP066	WR46		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 WR46
Plating: Hard Gold
Material: Bronze / Nickel Silver



BIT1001

Banana Interface Probes

TIP STYLES

BIT1001

Technical Specifications

Recommended Working Stroke: 2.1 mm [0.082]
Full Stroke: 3.2 mm [0.126]
Max. Current: 4 - 5 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

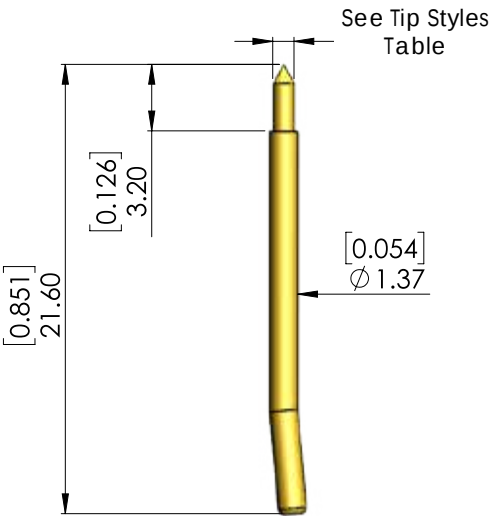
Banana Interface Probes are used when the Sockets / Receptacles loose their securing force after the Interface Probes have been exchanged a number of times. In this case, the Banana-style Probes allow continued usage of the Receptacles and avoids expensive maintenance work (extraction and re-wiring) when replacing them.

The BIT 1001 Banana Interface Probe is the replacement probe for the following Teradyne/GenRad ICT Test Systems:
2280; 2281; 2281a; 2287a; 228x ICA (all models); 2283; 2284; 2286; 2287 manufactured before 07/1995

Spring Force at Working Stroke (2/3)		
Code	Rated force	
	(N)	[oz]
S	1.00	3.6
SX	1.20	4.3

Plunger Material	
Code	Material
0	BeCu

Plunger Plating	
Code	Material
No letter	Hard Gold



Recommended Socket / Receptacle Series for Banana Interface Probes BIT1001 is RCP066.
See Page 94 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 BIT1001 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.

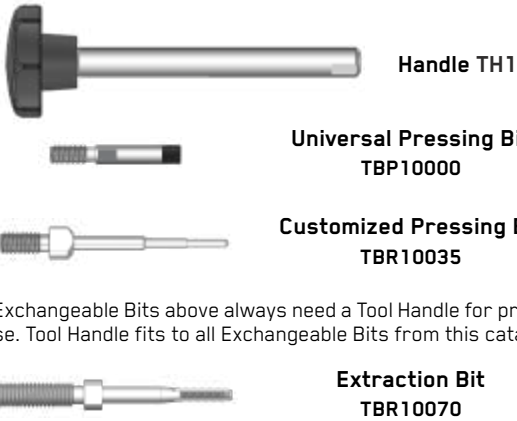
Test Probes Ordering Code Example						
BIT1001	UB	0	3	S		
a	b	c	d	e	f	g

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 Styles		Plunger Material	Tip Diameter Code	Tip Diameter	
				mm	[inches]
	ER	0	3	1.00	0.039
	UB	0	3	1.02	0.040

Tip Diameter Code changes according to the Tip Style.

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



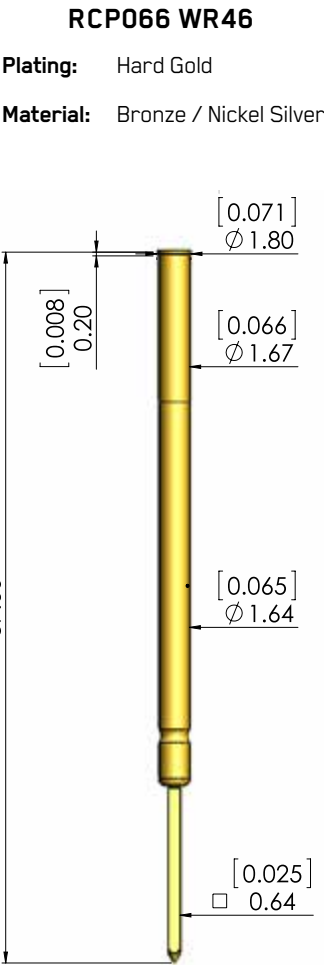
*Exchangeable Bits above always need a Tool Handle for proper use. Tool Handle fits to all Exchangeable Bits from this catalog.

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

Socket / Receptacle Ordering Code Example			Socket / Receptacle Plating	
RCP066	WR46		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 WR46
Plating: Hard Gold
Material: Bronze / Nickel Silver

IT1002

Interface Probes

TIP STYLES

IT1002

Technical Specifications

Recommended Working Stroke: 3.60 mm [0.142]

Full Stroke: 4.30 mm [0.169]

Max. Current: 4 - 5 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]

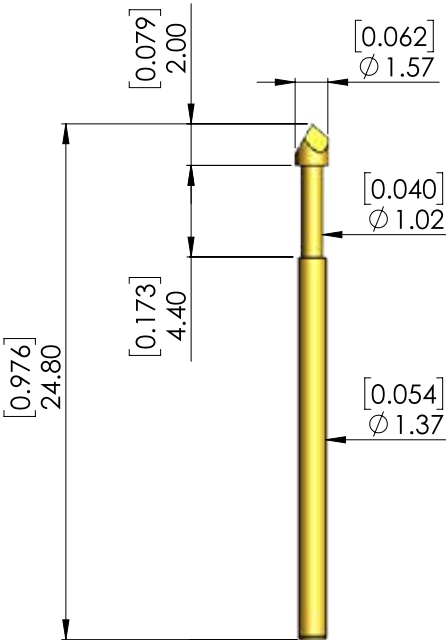
Mounting Hole Size:

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

Interface Probes provide the electro-mechanical contact between the Test System and the Test Fixture.

IT1002 Interface Probes are used as replacement Probes in the following Teradyne/GenRad ICT Test Systems:

All model Numbers ending with "L" (High Density Capability).



Recommended Socket / Receptacle Series for Interface Probes IT1002 is RCP066.
See Page 96 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 IT1002 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	-	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

IT1002 ER 0 3 M 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 Styles	Plunger Material	Tip Diameter Code	Tip Diameter	
			mm	[inches]
	ER	0	3	1.57 0.061

Tip Diameter Code changes according to the Tip Style.

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)

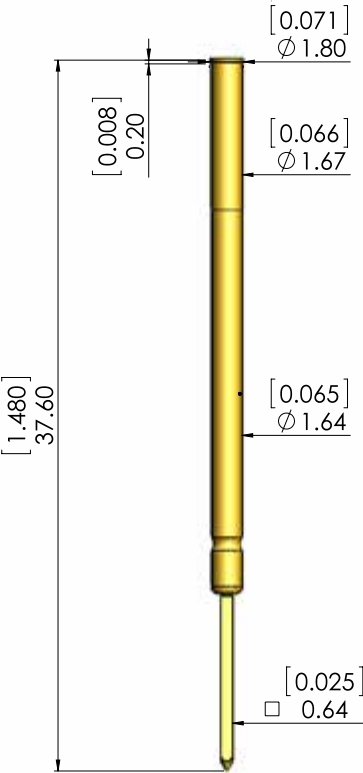
Socket / Receptacle Ordering Code Example

RCP066 WR46

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 WR46
Plating: Hard Gold
Material: Bronze / Nickel Silver



IT1003

Interface Probes

TIP STYLES

IT1003

Technical Specifications

Recommended Working Stroke: 4.00 mm [0.157]

Full Stroke: 6.35 mm [0.250]

Max. Current: 5 - 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

Spring Force at Working Stroke (2/3)		
Code	Rated force	
	(N)	[oz]
XS	0.57	2.1
S	1.00	3.6
M	1.56	5.6
N	2.00	7.2
LX	3.06	11.0

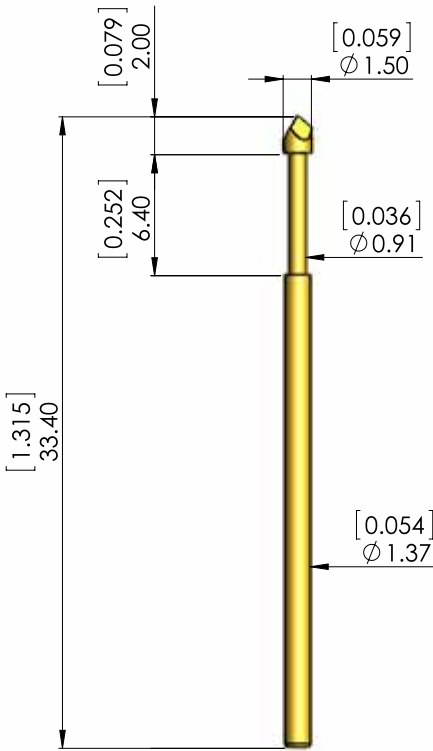
Plunger Material	
Code	Material
0	BeCu

Plunger Plating	
Code	Material
No letter	Hard Gold

Interface Probes provide the electro-mechanical contact between the Test System and the Test Fixture.

- IT1003 Interface Probes are used as replacement Probes in the following Teradyne/GenRad ICT Test Systems: 1800; 7878; 8852; 8855.
- They are used as Interface Signal Probe for TR5001 and TR8001 Test System for Test Research Inc. (TRI) Machines.

Note: Other ICT Test Systems may use this same type of Probe too.



Recommended Socket / Receptacle Series for Interface Probes IT1003 is RCP066. See Page 98 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 IT1003 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	-	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

IT1003 ER 0 3 XS
a b c d e f g

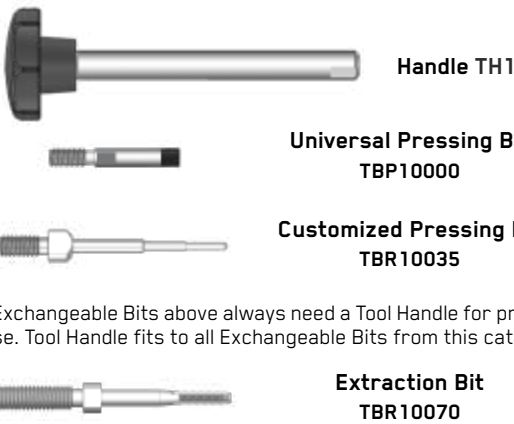
a: Series • b: Plunger Plating • c: Tip Style • d: Plunger Material • e: Tip Diameter Code • f: Spring Force Code • g: Special Tip Diameter [mm x 100]

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

Tip Styles	Plunger Material	Tip Diameter Code	Tip Diameter	
			mm	[inches]
	ER	0	3	1.50 0.059

Tip Diameter Code changes according to the Tip Style.

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 WR13
x y z

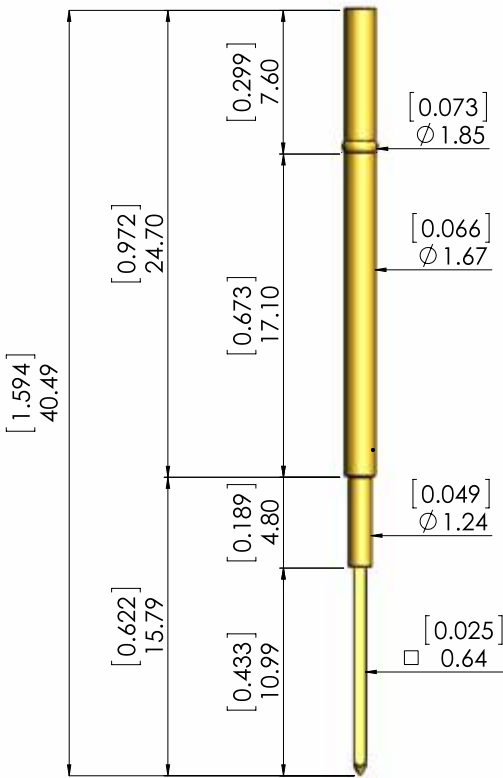
x: Series • y: Socket / Receptacle Plating • z: Option

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

RCP066 WR13

Plating: Hard Gold

Material: Bronze / Nickel Silver



Interface Probes - 100 Mil / 2.54 mm

ACTUAL SIZE

ACTUAL SIZE

IT1004

Interface Probes - Mint Pin

TIP STYLES

IT1004

Technical Specifications

Recommended Working Stroke: 4.00 mm [0.157]

Full Stroke: 6.35 mm [0.250]

Max. Current: 5 - 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

Spring Force at Working Stroke (2/3)		
Code	Rated force	
	(N)	[oz]
S	1.00	3.6
M	1.56	5.6
N	2.00	7.2

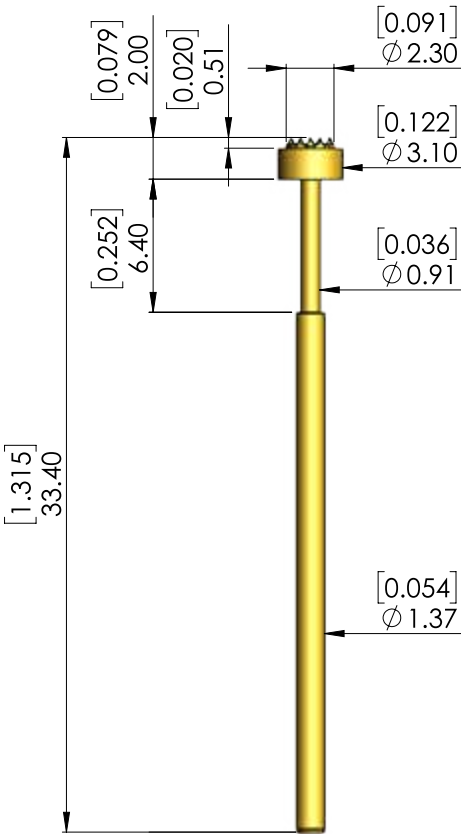
Plunger Material	
Code	Material
0	BeCu

Plunger Plating	
Code	Material
No letter	Hard Gold

Interface Probes provide the electro-mechanical contact between the Test System and the Test Fixture.

IT1004 Interface Probes are used as replacement Probes for Keysight/Agilent 3070 ICT Test Systems.

Note: IT1004 is the so-called "Mint Pin".



Recommended Socket / Receptacle Series for Interface Probes IT1004 is RCP066.
See Page 100 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 IT1004 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	-	TBP10071

*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						
IT1004	CI	03	S			
a	b	c	d	e	f	g

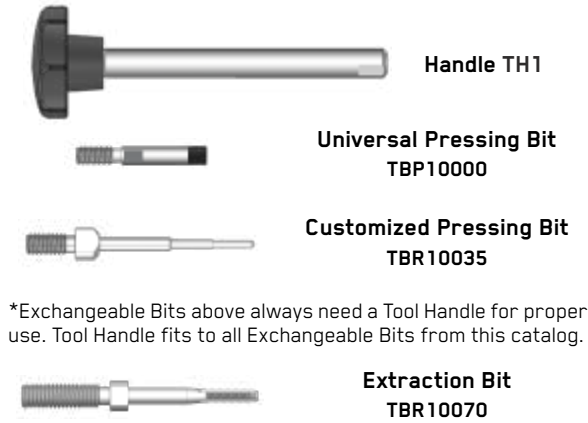
a: Series • b: Plunger Plating • c: Tip Style • d: Plunger Material • e: Tip Diameter Code • f: Spring Force Code • g: Special Tip Diameter [mm x 100]

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

Tip Styles	Plunger Material	Tip Diameter Code	Tip Diameter	
			mm	[inches]
 	CI	0	3	3.10 0.122

Tip Diameter Code changes according to the Tip Style.

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			Socket / Receptacle Plating	
RCP066	WR13		Code	Material
x	y	z	No letter	Hard Gold

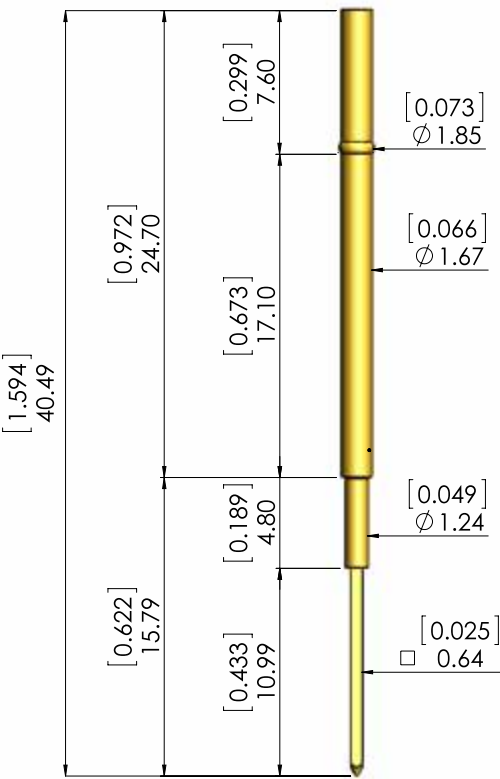
x: Series • y: Socket / Receptacle Plating • z: Option

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

RCP066 WR13

Plating: Hard Gold

Material: Bronze / Nickel Silver



IT1007

Interface Probes

TIP STYLES

IT1007

Technical Specifications

Recommended Working Stroke: 2.70 mm [0.106]

Full Stroke: 4.00 mm [0.157]

Max. Current: 5 A (continuous)

Average Resistance: max. 55 mΩ

Barrel Material:

Beryllium Copper / Nickel Silver

Spring Material: Spring Steel Gold Plated

Operating Temperature: - 20 °C up to + 80 °C
[- 4 °F up to + 176 °F]

Mounting Hole Size:

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

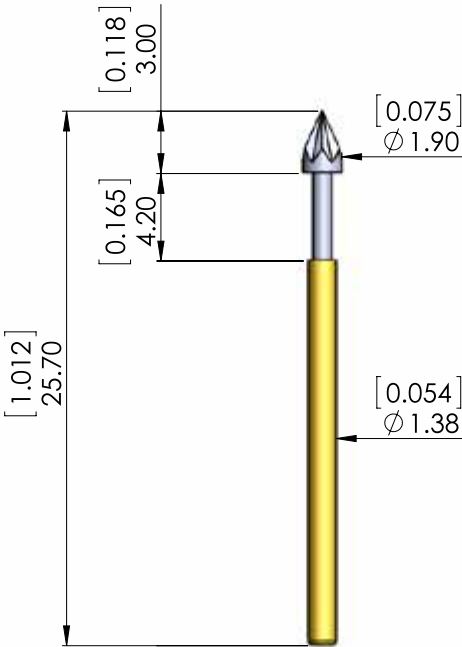
Spring Force at Working Stroke (2/3)		
Code	Rated force	
	(N)	[oz]
NX	2.20	7.9

Plunger Material	
Code	Material
0	BeCu

Plunger Plating	
Code	Material
N	Nickel

Interface Probes provide the electro-mechanical contact between the Test System and the Test Fixture.

IT1007 Interface Probes are used as is replacement probe for Digitaltest MTS 300 ICT Test System series.



Recommended Socket / Receptacle Series for Interface Probes IT1007 is RCP066. See Page 102 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 IT1007 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	-	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						
IT1007	N	HK	0	4	NX	
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.

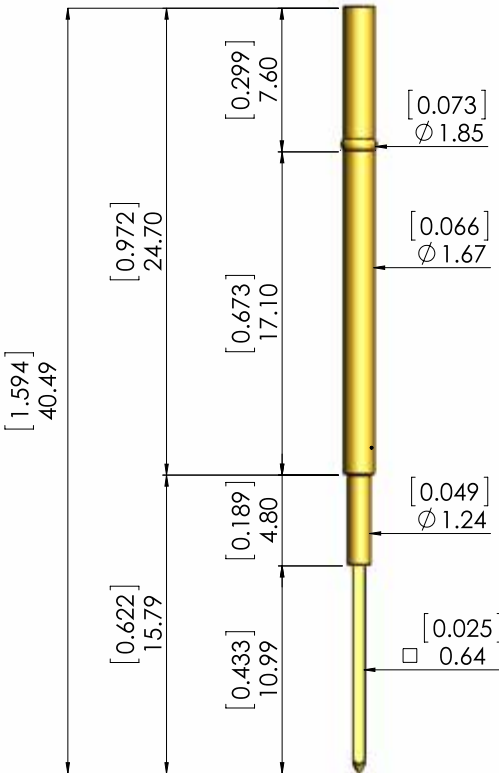
Tip Styles	Plunger Material	Tip Diameter Code	Plunger Plating	Tip Diameter	
				mm	[inches]
	HK	3	N	1.30	0.051
		4	N	1.90	0.075

Tip Diameter Code changes according to the Tip Style.

RCP066 WR13

Plating: Hard Gold

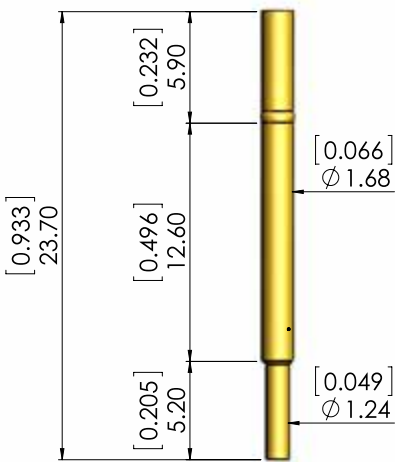
Material: Bronze / Nickel Silver



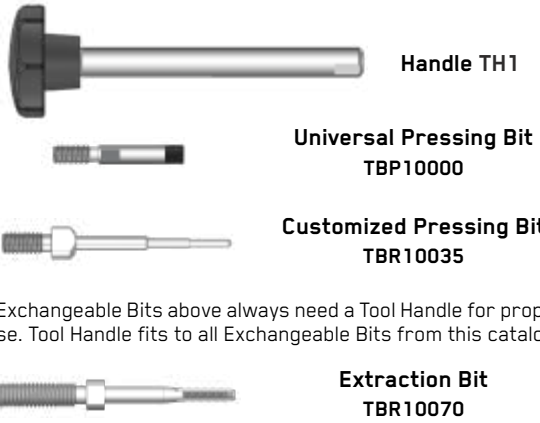
RCP066 CR12

Plating: Hard Gold

Material: Bronze / Nickel Silver



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		Socket / Receptacle Plating	
RCP066 WR13		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.

FC1000

Fixture Customizing Probes - Test Jet

FC1000

Fixture Customizing Probes - Test Jet

Technical Specifications

Recommended Working Stroke: 4.00 mm [0.157]

Full Stroke: 6.35 mm [0.250]

Max. Current: 5 - 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.^Δ

Spring Force at Working Stroke (2/3)

Code	Rated force	
	(N)	[oz]
S	1.30	4.7

Plunger Material

Code	Material
0	BeCu

Plunger Plating

Code	Material
No letter	Hard Gold

Recommended Socket / Receptacle Series for Interface Probes FC1000 is RCP066. See Page 104 for detailed information.

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

Tool for FC1000 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	-	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

FC1000

RS

0

3

S

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 Styles

Plunger Material

RS

0

3

Tip Diameter

mm

1.40

[inches]

0.055

Tip Diameter Code changes according to the Tip Style.

Sensor Plate

Order Code: VTSP - 1*

*Different sizes available

TestJet Probe Package

Order Code: VTHP - 1

VTEP MUX Card Package

Order Code: VTMUX - 1

RCP066 WR46

Plating: Hard Gold

Material: Bronze / Nickel Silver

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

Handle TH1

Universal Pressing Bit TBP10000

Customized Pressing Bit TBR10035

Extraction Bit TBR10070

*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

WR46

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

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FC1001 Fixture Customizing Probes - Polarity Check

Fixture Customizing Probes - Polarity Check FC1001

Technical Specifications

Recommended Working Stroke: 4.00 mm [0.157]

Full Stroke: 6.35 mm [0.250]

Max. Current: 5 - 8 A (continuous)

Average Resistance: max. 20 mΩ

Barrel Material:

Beryllium Copper / Nickel Silver

Spring Material: Spring Steel Gold Plated

Operating Temperature: - 40 °C up to + 120 °C
[- 40 °F up to + 248 °F]

Mounting Hole Size:

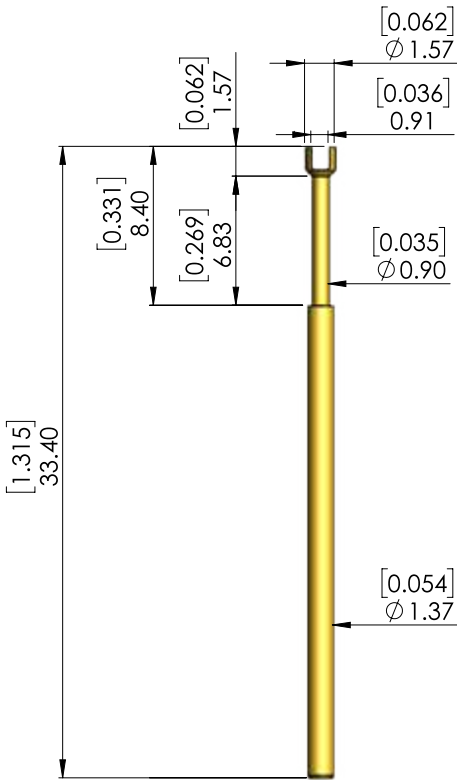
Socket / Receptacle Diameter + 0.01 - 0.03 mm
[0.394 - 1.181 mil] drill bits are recommended.^A

Spring Force at Working Stroke (2/3)		
Code	Rated force	
	(N)	[oz]
N	2.00	7.2

Plunger Material	
Code	Material
0	BeCu

Plunger Plating	
Code	Material
No letter	Hard Gold

This type of Fixture-customizing Probe is made to connect Polarity Check Amplifier Boards used in various Test Systems. This Test Probe is soldered directly to the edge of the PCB. It is called VTEP, FrameScan etc. by different ICT Test System Manufacturers.



Recommended Socket / Receptacle Series for Interface Probes FC1001 is RCP066. See Page 106 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 FC1001 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	-	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						
FC1001	NB	0	3	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 Styles	Plunger Material	Tip Diameter Code	Tip Diameter	
			mm	[inches]
	NB	0	3	1.57 0.062

≡ Tip Diameter Code changes according to the Tip Style.

VTEP Polarity Check Vertical Amplifier Package

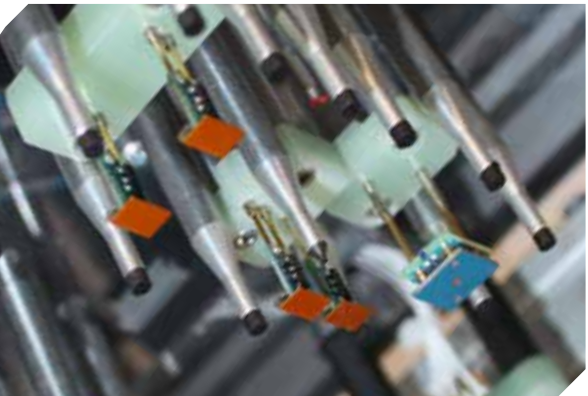
Order Code: VTPCVP - 1

Sensor Plate for Polarity Check

Order Code: VTPCSP - 1



*Different sizes available



≡ Socket / Receptacle Ordering Code Example			Socket / Receptacle Plating	
RCP066	WR13		Code	Material
x	y	z	No letter	Hard Gold

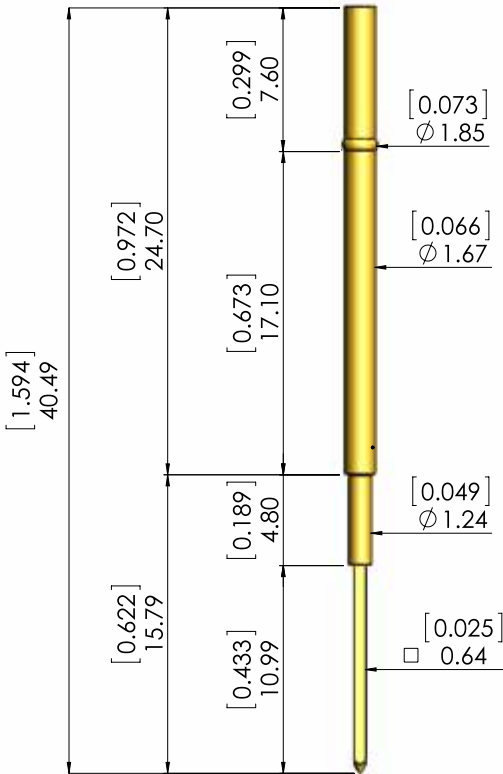
x: Series • y: Socket / Receptacle Plating • z: Option

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

RCP066 WR13

Plating: Hard Gold

Material: Bronze / Nickel Silver



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)

FC1010

ESD Grounding Probe

Tip Styles

FC1010

Technical Specifications

Recommended Working Stroke: 12.00 mm [0.472]

Full Stroke: 15.00 mm [0.591]

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

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

Plunger Material	
Code	Material
0	BeCu

Plunger Plating	
Code	Material
No letter	Hard Gold

Recommended Socket / Receptacle Series for Interface Probes FCFC1010 is RCP066.
See Page 108 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 FC1010 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	-	TBP10070

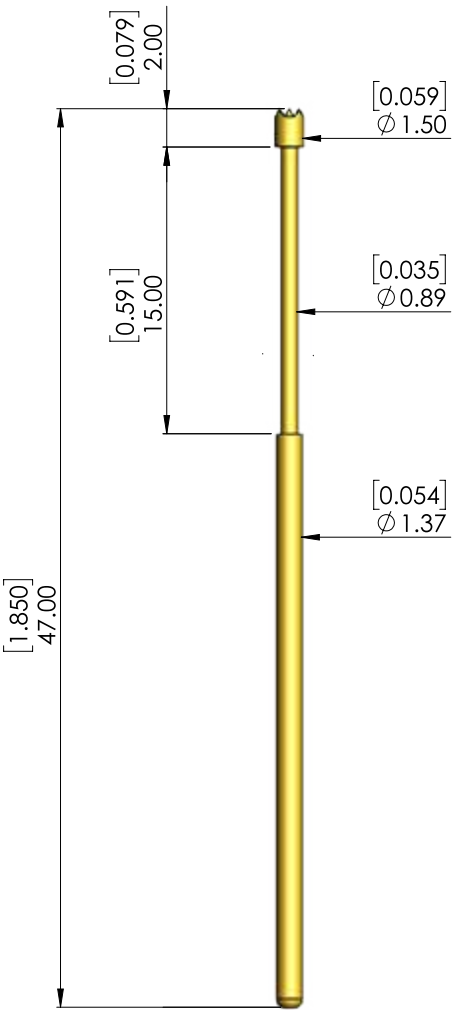
*Exchangeable Bits above always need a Tool Handle for proper use. Tool Handle fits to all Exchangeable Bits from this catalog.

≡ Test Probes Ordering Code Example						
FC1010	CG	0	5	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.

This Fixture-customizing Probe has an extra-long travel. As a Grounding Probe it offers an excellent solution for Fixture Manufacturers and End-customers, that have ESD problems related to constant grounding needs.

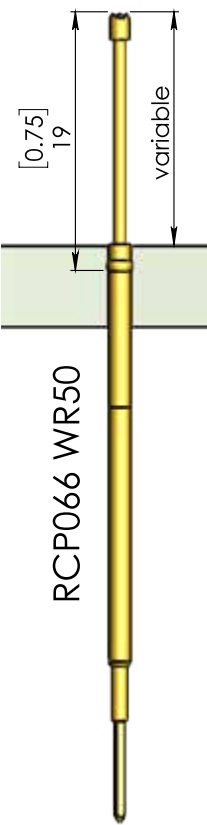


Tip Styles	Plunger Material	Tip Diameter Code	Tip Diameter	
			mm	[inches]
	CG	0	5	1.50 0.059
	ER	0	5	1.50 0.059

≡ Tip Diameter Code changes according to the Tip Style.

*Other Tip Styles available on request.

Installation Height

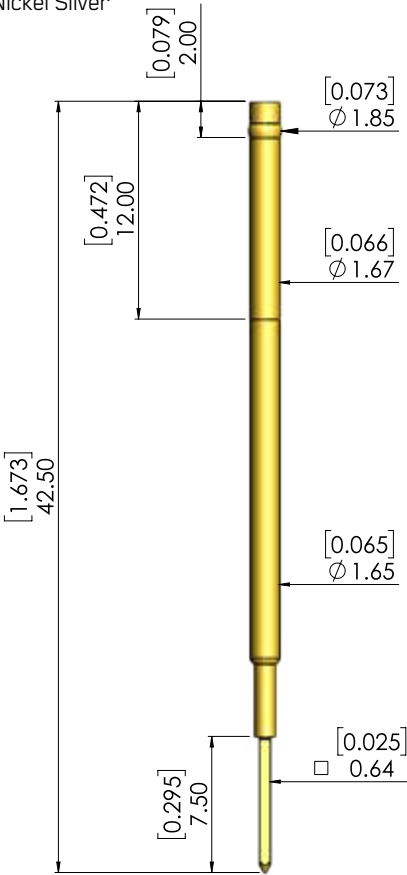


Installation Height is determined by drill hole depth of Socket / Receptacle that is used!

RCP066 WR50

Plating: Hard Gold

Material: Brass / Nickel Silver



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

	Handle TH1
	Universal Pressing Bit TBP10000
	Customized Pressing Bit TBR10035
	Extraction Bit TBR10070

*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	
RCP066	WR50		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.

Fixture Customizing

TESTJET PARTS FOR KEYSIGHT / AGILENT 3070 FIXTURES

TESTJET PARTS FOR KEYSIGHT / AGILENT 3070 FIXTURES

Fixture Customizing

Part Number: TJMUX - 1

TestJet Signal Conditioner Board Package

- Consists of:
- 1 MUX card
 - Connectors
 - Ribbon Cable



Part Number: TJMUX - 2

TestJet / ConnectCheck Signal Conditioner Board Package

- Consists of:
- 1 MUX + Ref card
 - Connectors
 - Ribbon Cable

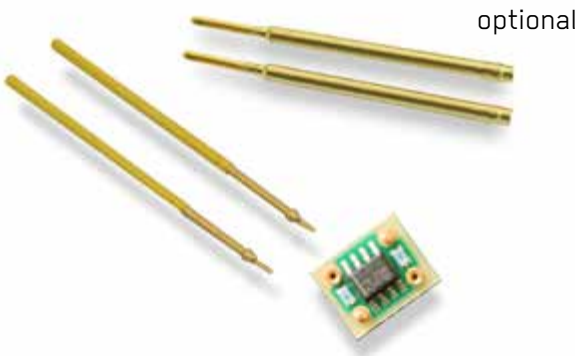


Part Number: TJP - 1

TestJet Probe Package

- Consists of:
- 1 Amplifier Board
 - 2 TestJet Probes: FC1000 RS03 S

*2 Sockets / Receptacles: RCP066 WR46 are optional (to be ordered separately)



Part Number: SP - 1

Sensor Plate

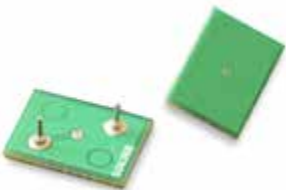
Size: 12.00 x 9.50 x 1.30 mm
[0.475" x 0.375" x 0.05"]



Part Number: SP - 2

Sensor Plate

Size: 14.60 x 10.80 x 1.30 mm
[0.575" x 0.425" x 0.05"]



Part Number: SP - 3

Sensor Plate

Size: 30.50 mm x 30.50 mm x 1.30 mm
[1.2" x 1.2" x 0.05"]



Part Number: SP - 4

Sensor Plate

Size: 63.30 mm x 63.30 mm x 1.30 mm
[2.5" x 2.5" x 0.05"]



Part Number: SP - 5

Sensor Plate

Size: 155.00 mm x 12.50 mm x 1.30 mm
[6.1" x 0.5" x 0.05"]



Part Number: PCVP - 1

Polarity Check Vertical Amplifier Package

- Consists of:
- 1 Amplifier Board
 - 2 Polarity Check Probes: FC 1001 NB03 N
 - 2 Sockets / Receptacles: RCP066 WR13



Part Number: SP - B/C

Sensor Plates for B/C Size SMT Capacitors

Size: 6.30 x 3.70 mm
[0.248" x 0.147"]



Part Number: SP - D

Sensor Plates for D Size SMT Capacitors

Size: 7.60 x 4.90 mm
[0.298" x 0.191"]



Fixture Customizing

VTEP PARTS FOR KEYSIGHT / AGILENT 3070 FIXTURES

Part Number: VTMUX - 1

VTEP Signal Conditioner Board Package

- Consists of:
- 1 MUX card
 - Connectors
 - Ribbon Cable



Part Number: VTMUX - 2

VTEP / ConnectCheck Signal Conditioner Board Package

- Consists of:
- 1 MUX + Ref card
 - Connectors
 - Ribbon Cable

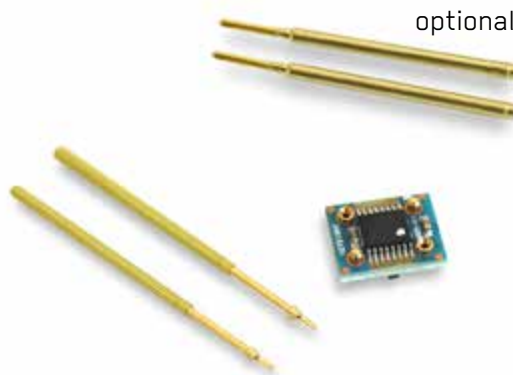


Part Number: VTHP - 1

VTEP Probe Set

- Consists of:
- 1 Amplifier Board
 - 2 TestJet Probes: FC1000 RS03 S

*2 Sockets / Receptacles: RCP066 WR46
are optional (to be ordered separately)



Part Number: VTSP - 1

VTEP Sensor Plate
Size: 30.50 mm x 30.50 mm
[1.2" x 1.2"]



VTEP PARTS FOR KEYSIGHT / AGILENT 3070 FIXTURES

Part Number: VTSP - 2

VTEP Sensor Plate
Size: 63.30 mm x 63.30 mm
[2.5" x 2.5"]



Part Number: VTSP - 5

VTEP Sensor Plate
Size: 155.00 mm x 12.50 mm
[6.1" x 0.5"]



Part Number: VTPCVP - 1

Polarity Check VTEP Probes Set

- Consists of:
- 1 Amplifier Board
 - 2 Polarity Check Probes: FC 1001 NB03 N
 - 2 Sockets / Receptacles: RCP066 WR13



Part Number: SP - B/C

Sensor Plate for VTEP Polarity Check
Size: 6.30 x 3.70 mm
[0.248" x 0.147"]



Part Number: SP - D

Sensor Plate for VTEP Polarity Check
Size: 7.60 x 4.90 mm
[0.298" x 0.191"]



Fixture Customizing

Opens Testing Products

VTEP Parts

ACTUAL SIZE



Fixture Customizing

Part Number: OEOFM

OFM Card
Consists of:

- 1 OFM card
- Connectors are optional (to be ordered separately)
- Ribbon Cable are optional (to be ordered separately)

Part Number: OEEXP - 1

OX Sensor Connection Board Package
Consists of:

- 1 sensor connection board
- 2 Probes FC 1000 NB03

*2 Sockets / Receptacles: RCP066 WR46 are optional (to be ordered separately)

Part Number: SP - 1

Sensor Plate
Size: 12.00 x 9.50 x 1.30 mm
[0.475" x 0.375" x 0.05"]

Part Number: SP - 2

Sensor Plate
Size: 14.60 x 10.80 x 1.30 mm
[0.575" x 0.425" x 0.05"]

Part Number: SP - 3

Sensor Plate
Size: 30.50 mm x 30.50 mm x 1.30 mm
[1.2" x 1.2" x 0.05"]

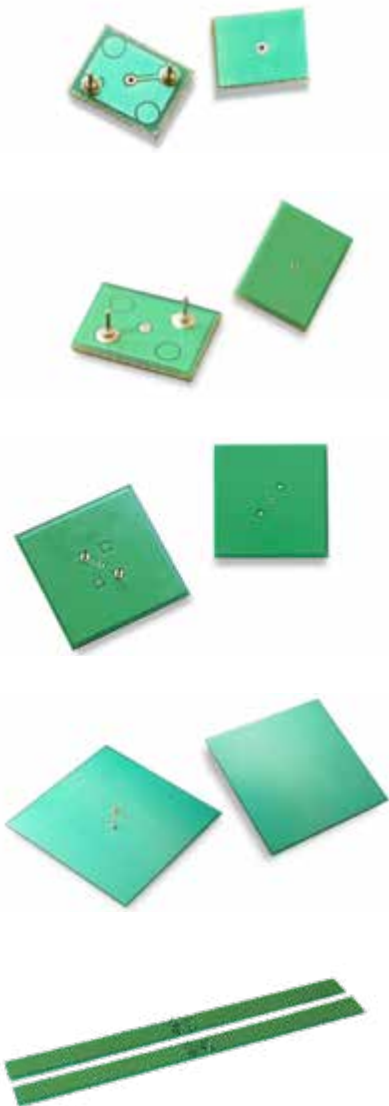
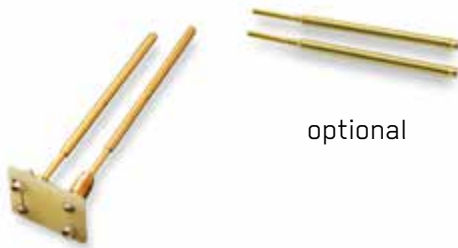
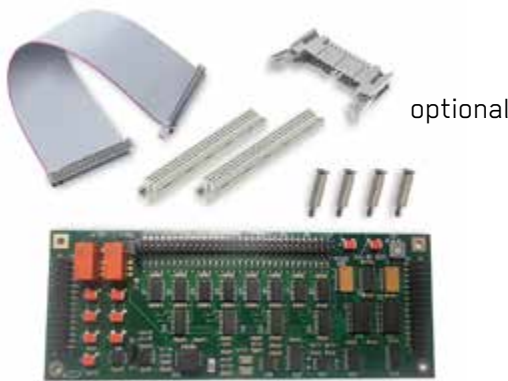
Part Number: SP - 4

Sensor Plate
Size: 65.00 x 65.00 x 1.30 mm
[2.56" x 2.56" x 0.05"]

Part Number: SP - 5

Sensor Plate
Size: 155.00 mm x 12.50 mm x 1.30 mm
[6.1" x 0.5" x 0.05"]

OPEN XPRESS FOR GENRAD



FRAMESCAN PLUS FOR TERADYNE

Part Number: FSPMUX - 1

FrameScan Plus MUX Card
Consists of:

- 1 FrameScan FX 2.0 Selector Board (MUX Card)
- Connectors
- Ribbon Cable

Part Number: FSPAP - 1

FrameScan Amplifier Package
Consists of:

- 1 Amplifier Board
- 2 Probes: FC1000 RS03 S

*2 Sockets / Receptacles: RCP066 WR46 are optional (to be ordered separately)

Part Number: SP - 1

Sensor Plate
Size: 12.00 x 9.50 x 1.30 mm
[0.475" x 0.375" x 0.05"]

Part Number: SP - 2

Sensor Plate
Size: 14.60 x 10.80 x 1.30 mm
[0.575" x 0.425" x 0.05"]

Part Number: SP - 3

Sensor Plate
Size: 30.50 mm x 30.50 mm x 1.30 mm
[1.2" x 1.2" x 0.05"]

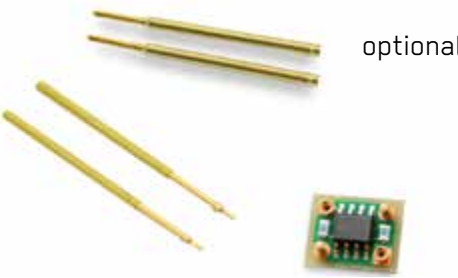
Part Number: SP - 4

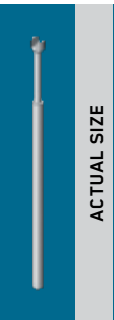
Sensor Plate
Size: 65.00 x 65.00 x 1.30 mm
[2.56" x 2.56" x 0.05"]

Part Number: SP - 5

Sensor Plate
Size: 155.00 mm x 12.50 mm x 1.30 mm
[6.1" x 0.5" x 0.05"]

Fixture Customizing



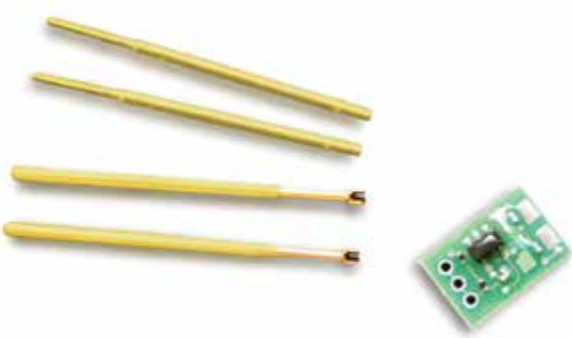


Part Number: CSVP - 1

CapScan Vertical Amplifier Package

Consists of:

- 1 Amplifier Board
- 2 Probes: FC 1001 NB03 N
- 2 Sockets / Receptacles: RCP066 WR13



Part Number: SP - B/C

CapScan Sensor Plate

Size: 6.30 x 3.70 mm
[0.248" x 0.147"]



Part Number: SP - D

CapScan Sensor Plate

Size: 7.60 x 4.90 mm
[0.298" x 0.191"]



Part Number: FSPMUX - 2

FX/FrameScan Plus MUX Card

Consists of:

- 1 FrameScan FX 2.0 Selector Board
- Connectors
- Ribbon Cable



Part Number: FSPAP - 1

FX FrameScan Amplifier Package

Consists of:

- 1 Amplifier Board
- 2 Probes: FC1000 RS03 S

*2 Sockets / Receptacles: RCP066 WR46 are optional (to be ordered separately)



Part Number: SP - 1

Sensor Plate

Size: 12.00 x 9.50 x 1.30 mm
[0.475" x 0.375" x 0.05"]



Part Number: SP - 2

Sensor Plate

Size: 14.60 x 10.80 x 1.30 mm
[0.575" x 0.425" x 0.05"]



Part Number: SP - 3

Sensor Plate

Size: 30.50 mm x 30.50 mm x 1.30 mm
[1.2" x 1.2" x 0.05"]



Part Number: SP - 4

Sensor Plate

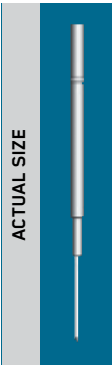
Size: 63.30 mm x 63.30 mm x 1.30 mm
[2.5" x 2.5" x 0.05"]



Part Number: SP - 5

Sensor Plate

Size: 155.00 mm x 12.50 mm x 1.30 mm
[6.1" x 0.5" x 0.05"]



IC & RF Series

INTERFACE CONTACTS

PNEUMATIC INTERFACE CONTACTS

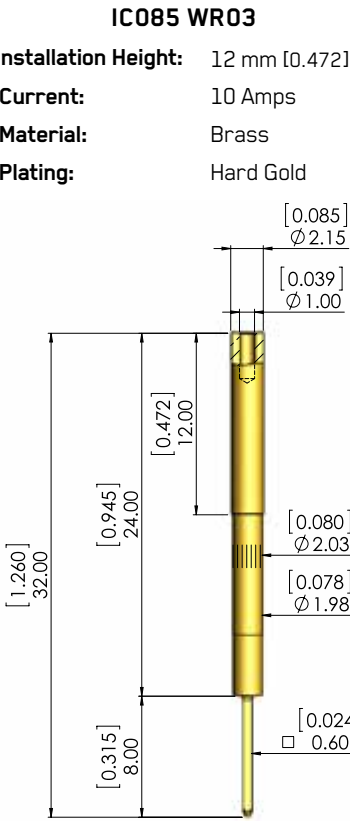
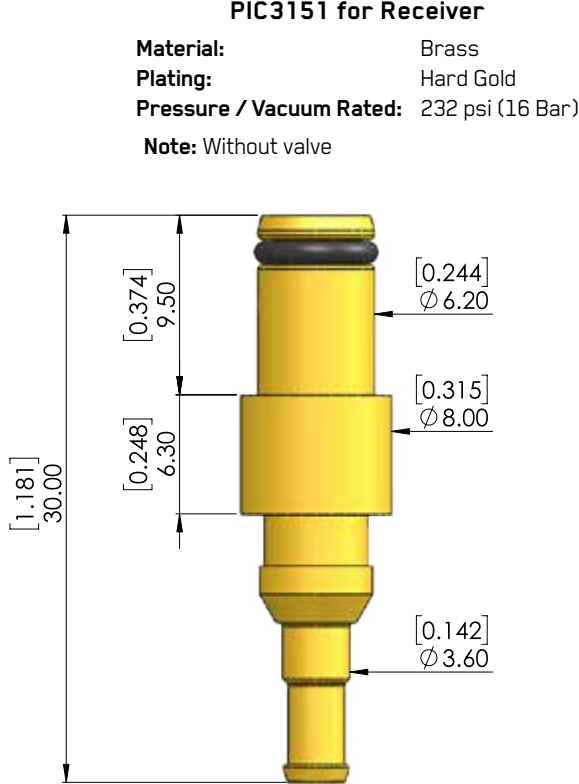
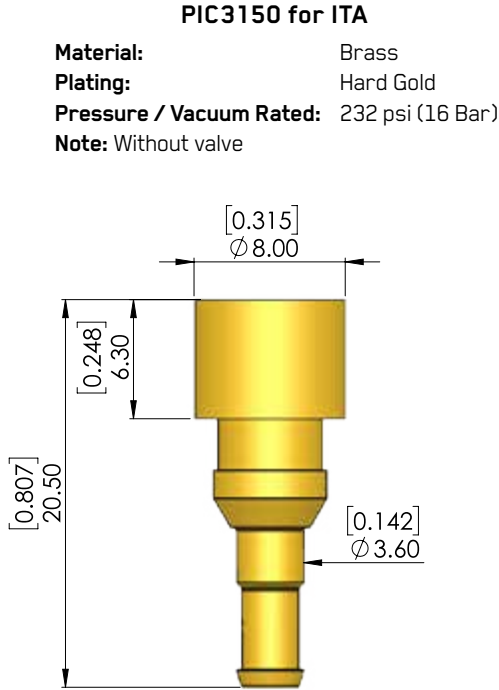
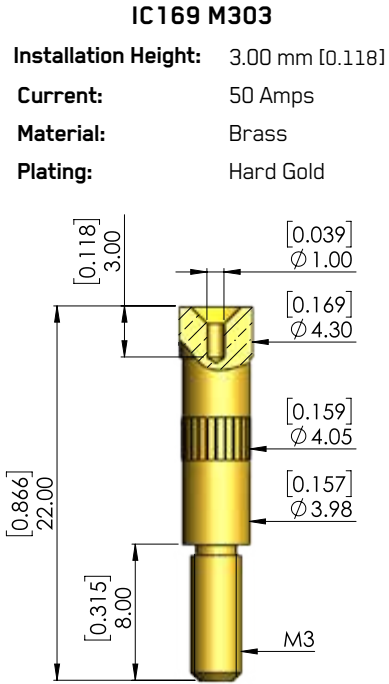
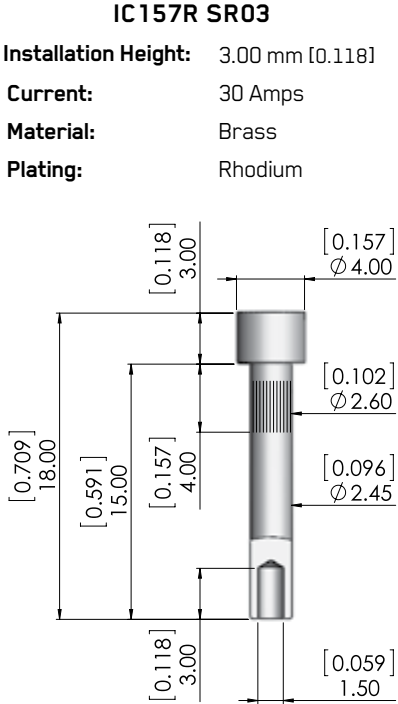
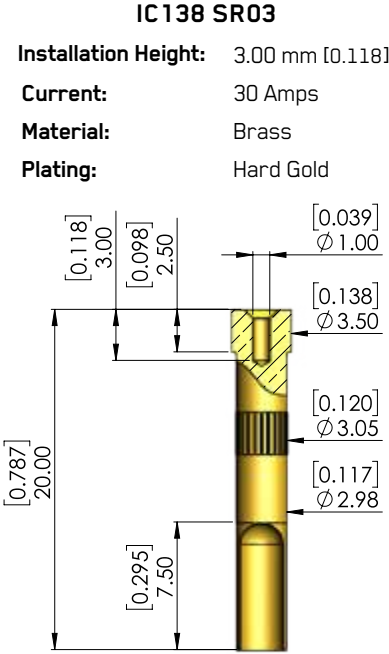
PIC

IC & RF Series

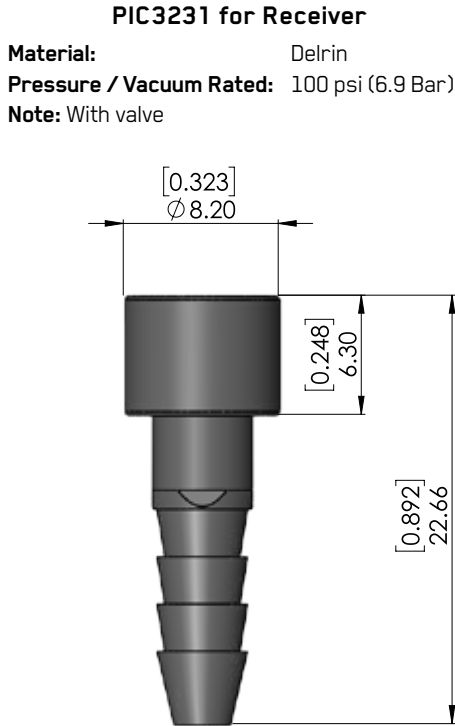
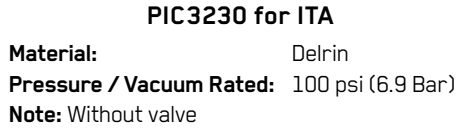
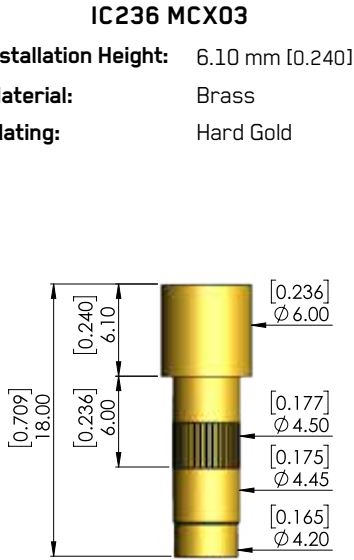
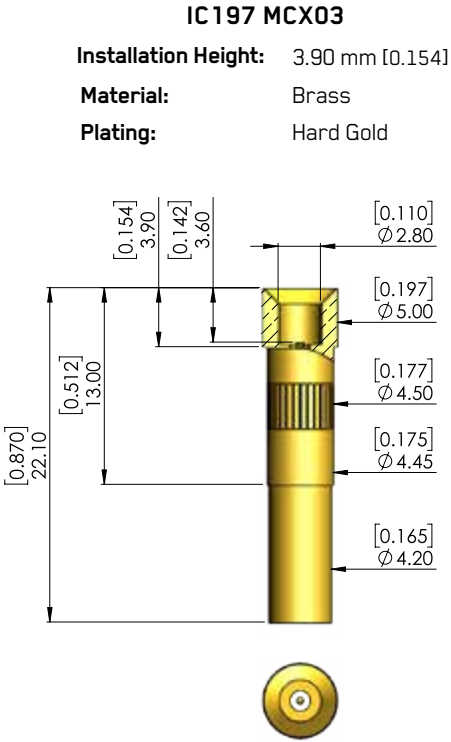
Pneumatic Contacts

Interface Contacts

ACTUAL SIZE



RF Interface Contacts
MCX = with connection for MCX



Contact Terminals Ordering Code Example

IC085 WR 05

a

a: Series

WR = Wire -Wrapped SR = Solderable

RF Contact Terminals Ordering Code Example

IC197 MCX03

a

a: Series

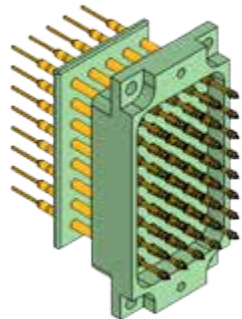
Pneumatic Contact Terminals Ordering Code Example

PIC3150

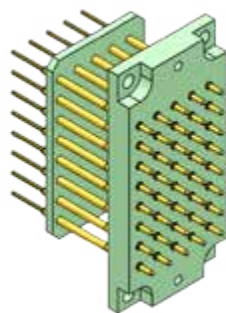
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a: Series

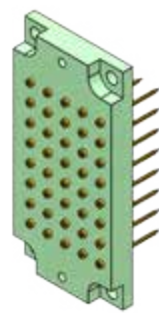
Signal Interface Blocks

40 Pole Low Resistance
Signal Receiver Pylon Block

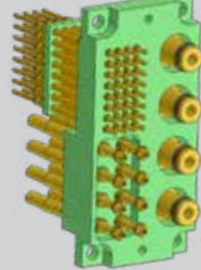
Order Code: RCV-ST-LR-40
Test Probe: HC1000 HK04 S
Socket / Receptacle: RCP 079 WR03

40 Pole Signal Receiver
Pylon Block

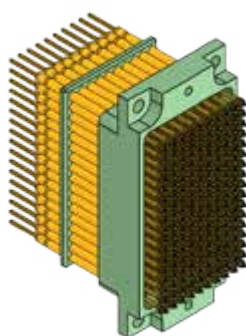
Order Code: RCV-ST-40
Test Probe: IT1000 1ER03 S
Socket / Receptacle: RCP066 WR46

40 Pole Signal ITA
Pylon Block

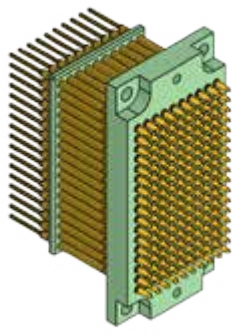
Order Code: ITA-ST-40-KT06
Contact: IC071 WR09

Mixed Receiver
Pylon Block

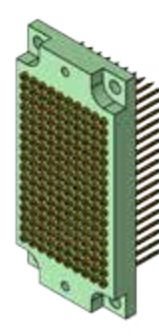
Order Code:
RCV-MB-ST/HC/PN-32/8/4
Signal Contact: IT1000 1ER03 S
Socket / Receptacle: RCP066 WR06
High-Current Contact: HCT1600 HK03 MX
Socket / Receptacle: RCT118 SR03
Pneumatic Contact: PIC3151

170 Pole Signal Low Resistance
Receiver Pylon Block

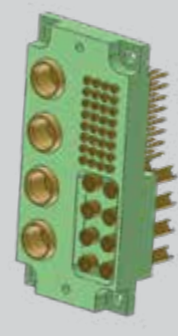
Order Code: RCV-ST-LR-170
Test Probe: HC1000 HK04 S
Socket / Receptacle: RCP 079 WR03

170 Pole Signal Receiver
Pylon Block

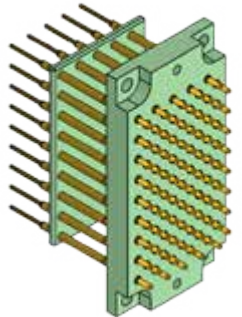
Order Code: RCV-ST-170
Test Probe: IT1000 1ER03 S
Socket / Receptacle: RCP066 WR46

170 Pole Signal ITA
Pylon Block

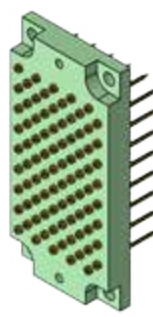
Order Code: ITA-ST-170-KT06
Contact: IC071 WR09

Mixed ITA
Pylon Block

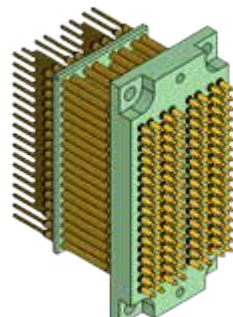
Order Code:
ITA-MB-ST/HC/PN-32/8/4
Signal Contact: IC071 WR09
High-Current Contact: IC138 SR03
Pneumatic Contact: PIC3150

85 Pole Signal Receiver
Pylon Block

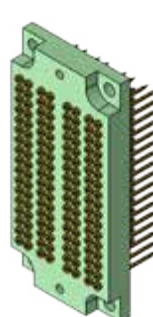
Order Code: RCV-ST-85
Test Probe: IT1000 1ER03 S
Socket / Receptacle: RCP066 WR46

85 Pole Signal ITA
Pylon Block

Order Code: ITA-ST-85-KT06
Contact: IC071 WR09

136 Pole Signal Receiver
Pylon Block

Order Code: RCV-ST-136
Test Probe: IT1000 1ER03 S
Socket / Receptacle: RCP066 WR46

136 Pole Signal ITA
Pylon Block

Order Code: ITA-ST-136-KT06
Contact: IC071 WR09

Interface Blocks Ordering Code Example

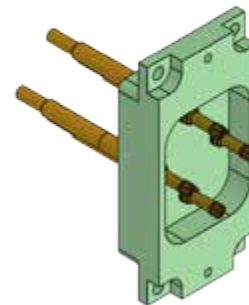
RCV ST 170 Signal Receiver Pylon Block

a b c d

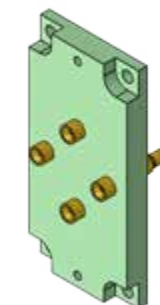
a: Series b: Current c: Number of Poles d: Type No.

ST = Signal HC = High-current PN = Pneumatic LR = Low-Resistance RF = Radio-Frequency OP = Optical

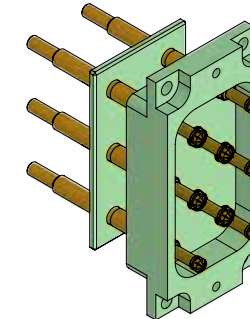
High-current Signal & Pneumatic Interface Blocks

4 Pole High-current Receiver
Pylon Block

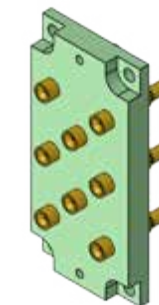
Order Code: RCV-HC-4
Test Probe: HCT2000 HK03 N
Socket / Receptacle: RCT157 SR03

4 Pole High-current ITA
Pylon Block

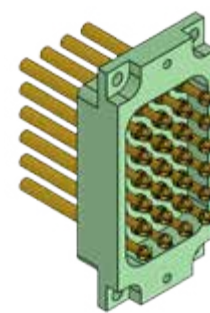
Order Code: ITA-HC-4
Contact: IC169 M303

8 Pole High-current Receiver
Pylon Block

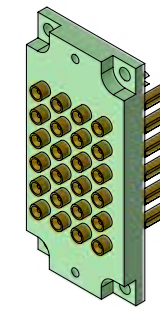
Order Code: RCV-HC-8
Test Probe: HCT2000 HK03 N
Socket / Receptacle: RCT157 SR03

8 Pole High-current ITA
Pylon Block

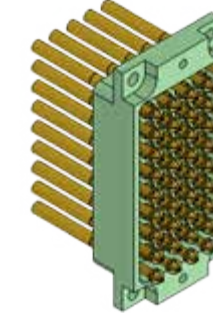
Order Code: ITA-HC-8
Contact: IC169 M303

24 Pole High-current Receiver
Pylon Block

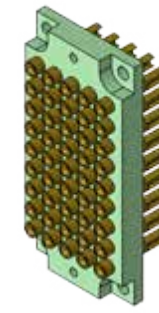
Order Code: RCV-HC-24
Test Probe: HCT1600 HK03 MX
Socket / Receptacle: RCT118 SR03

24 Pole High-current ITA
Pylon Block

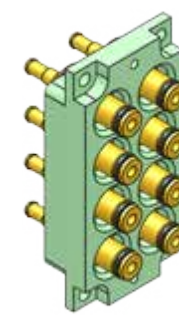
Order Code: ITA-HC-24
Contact: IC085 SR07

45 Pole High-current Receiver
Pylon Block

Order Code: RCV-HC-45
Test Probe: HCT1600 HK03 MX
Socket / Receptacle: RCT118 SR03

45 Pole High-current ITA
Pylon Block

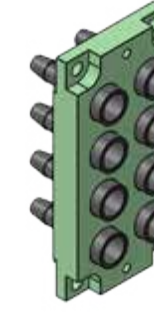
Order Code: ITA-HC-45
Contact: IC085 SR07

8 Pole Pneumatic Receiver
Pylon Block

Order Code: RCV-PN-FES-8
Pneumatic Contact - Receiver:
PIC3151

8 Pole Pneumatic ITA
Pylon Block

Order Code: ITA-PN-FES-8
Pneumatic Contact - ITA:
PIC3150

8 Pole Pneumatic Receiver
Pylon Block

Order Code: RCV-PN-VPC-8
Pneumatic Contact - Receiver:
PIC3231

Pole Pneumatic ITA
Pylon Block

Order Code: ITA-PN-VPC-8
Pneumatic Contact - ITA:
PIC3230

Interface Blocks Ordering Code Example

ITA ST 170 KT06 Signal ITA Pylon Block

a b c d

a: Series b: Current c: Number of Poles d: Type No.

ST = Signal HC = High-current PN = Pneumatic LR = Low-Resistance RF = Radio-Frequency OP = Optical

HC1000 /01/02/03/04/05/07/08

HIGH-CURRENT PROBES UP TO 20 A

TIP STYLES

HC1000

Technical Specifications

Recommended Working Stroke: 4.00 mm [0.157]

Full Stroke: 5.30 mm [0.209]

Max. Current: 20 A (continuous)

Average Resistance: max. 10 mΩ

Barrel Material:

Brass - Gold Plated / Brass - Silver Plated

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.^A

These High-current Probes are designed to withstand High-currents up to 20 Amps AC/DC. High pointing accuracy and long-life expectancy are basic features for this Probe series.

All Tip-styles have an engraved "O" ring at the bottom part of the tip, to allow easy recognition. (Note: This is necessary because otherwise their different design is not noticeable externally).

Applicable for:

- Functional Testing
- Burn-in Testing
- Power Supply Testing

Spring Force at Working Stroke (2/3)		
Code	Rated force	
	(N)	[oz]
S	1.10	3.9
M	1.50	5.4
L	2.20	7.9
X	3.00	10.8

Plunger Material	
Code	Material
0	BeCu
5	Steel

Plunger Plating	
Code	Material
No letter	Hard Gold
S	Silver

Note:

- The testing of the current was conducted in laboratory conditions, using tip style "CG".
- Spring forces less than 1.5 N are not recommended for High-current use.

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

Tool for HC1000 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

HC1000 CG 06 L

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.

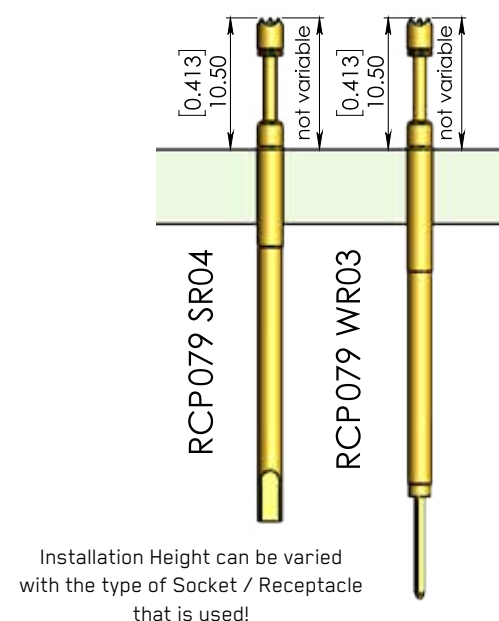
Tip Styles	Plunger Material	Tip Diameter Code	Plunger Plating	Tip Diameter	
				mm	[inches]
	CC	5	3	-	1.30 0.051
	CG	0	4	-	1.60 0.063
		0	5	-	1.80 0.071
		0	6	-	2.00 0.079
	HK	0	7	-	2.50 0.098
		0	4	-	1.75 0.069
	RA	0	5	-	2.00 0.079
		0	6	S	2.00 0.079
	TA	0	3	-	2.00 0.079
	TB	0	3	-	2.00 0.079

Tip Diameter Code changes according to the Tip Style.

- Not available standard insertion / extraction tool for this tip size in default grid. Please See Page 7 for list of Special Tools.

Note: Plunger material may vary depending on the series with different collar height. Please contact our representative to find exact part number.

Installation Height with different Sockets / Receptacles



Installation Height can be varied with the type of Socket / Receptacle that is used!

For detailed Sockets / Receptacles for HC1000 and other collar sizes See Page 65 - 66.

Socket / Receptacle Ordering Code Example

RCP079 SR04

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.

HIGH-CURRENT PROBE SERIES STANDARD COLLAR SIZES

Series	Collar Height B mm [inches]	Installation height W/O receptacle C mm [inches]	Total Length D mm [inches]
HC1000	2.00 [0.079]	10.30 [0.406]	32.30 [1.272]
HC1001	3.00 [0.118]	11.30 [0.445]	33.30 [1.311]
HC1002	4.00 [0.157]	12.30 [0.531]	34.30 [1.350]
HC1003	5.00 [0.197]	13.30 [0.524]	35.30 [1.390]
HC1004	6.00 [0.236]	14.30 [0.563]	36.30 [1.429]
HC1005	7.00 [0.276]	15.30 [0.602]	37.30 [1.469]
HC1007	9.00 [0.354]	17.30 [0.681]	39.30 [1.547]
HC1008	10.00 [0.394]	18.30 [0.720]	40.30 [1.587]

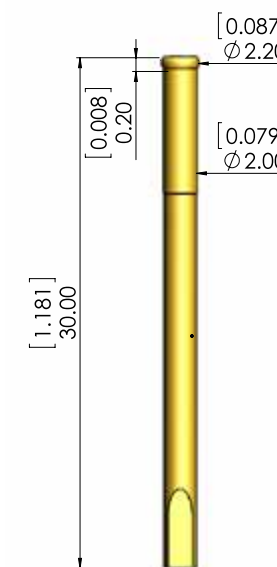
RCP079 SR04

Installation Height

- Fixed: 10.50 mm [0.413]
- Variable: not variable

Material: Brass

Plating: Hard Gold



Tool for RCP079 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 Plating

Code	Material
No letter	Hard Gold

HC1600 /01/02

HIGH-CURRENT PROBES UP TO 30 A

TIP STYLES

HC1600

Technical Specifications

Recommended Working Stroke: 4.00 mm [0.157]

Full Stroke: 5.30 mm [0.209]

Max. Current: 30 A (continuous)

Average Resistance: max. 10 mΩ

Barrel Material:

Brass - Gold Plated

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.^A

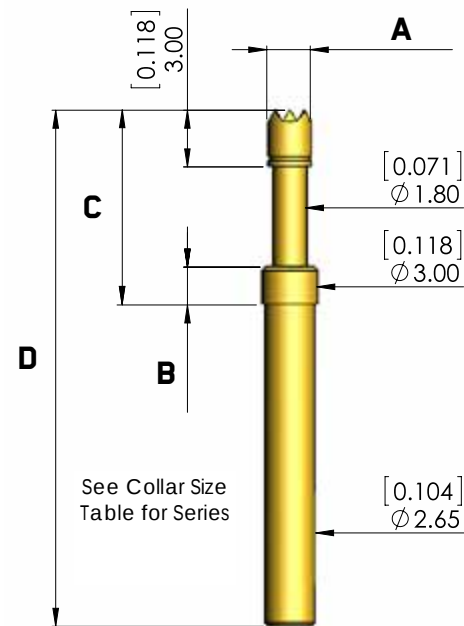
These High-current Probes are designed to withstand High-currents up to 30 Amps AC/DC. High pointing accuracy and long-life expectancy are basic features for this Probe series.

All Tip-styles have an engraved "O" ring at the bottom part of the tip, to allow easy recognition. (Note: This is necessary because otherwise their different design is not noticeable externally).

Applicable for:

- Functional Testing
- Burn-in Testing
- Power Supply Testing

See Tip Styles Table



Recommended Socket / Receptacle Series for High-current Probes HC1600 is RCP118. See Page 77 - 78 for detailed information.

Note:

- The testing of the current was conducted in laboratory conditions, using tip style "CG".
- Spring forces less than 1.5 N are not recommended for High-current use.

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

Tool for HC1600 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	TBP16000	-	TBP16070

*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

HC1600 CG 04 X
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.

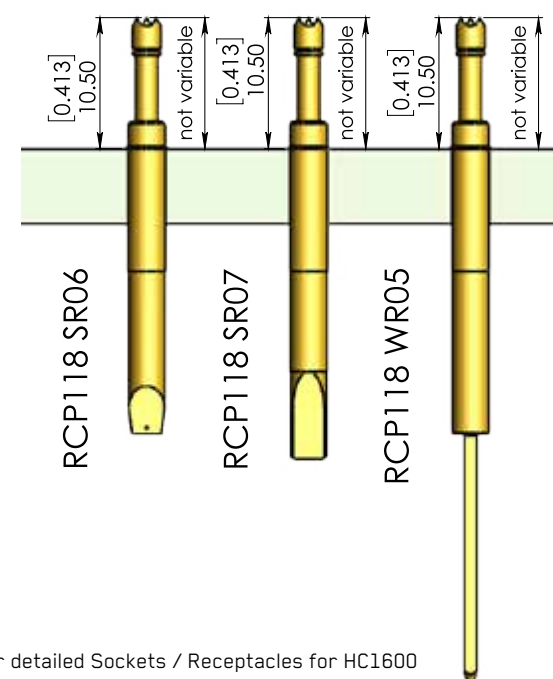
Tip Styles	Plunger Material	Tip Diameter Code	A Tip Diameter	
			mm	[inches]
	CG	0	2.30	0.091
		0	3.00	0.118
		0	4.00	0.157
	FA	0	2.30	0.091
	HK	0	3.00	0.118
	RA	0	2.30	0.091
	TA	0	3.00	0.118

Tip Diameter Code changes according to the Tip Style.

- Not available standard insertion / extraction tool for this tip size in default grid. Please See Page 7 for list of Special Tools.

Note: Plunger material may vary depending on the series with different collar height. Please contact our representative to find exact part number.

Installation Height with different Sockets / Receptacles



For detailed Sockets / Receptacles for HC1600 and other collar sizes See Page 77 - 78.

Socket / Receptacle Ordering Code Example

RCP118 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.

HIGH-CURRENT PROBE SERIES WITH OTHER COLLAR SIZES

Series	Collar Height B mm [inches]	Installation height W/O receptacle C mm [inches]	Total Length D mm [inches]
HC1600	2.00 [0.079]	10.30 [0.406]	27.30 [1.075]
HC1601	5.00 [0.197]	13.30 [0.524]	30.30 [1.193]
HC1602	10.00 [0.394]	18.30 [0.720]	35.30 [1.390]

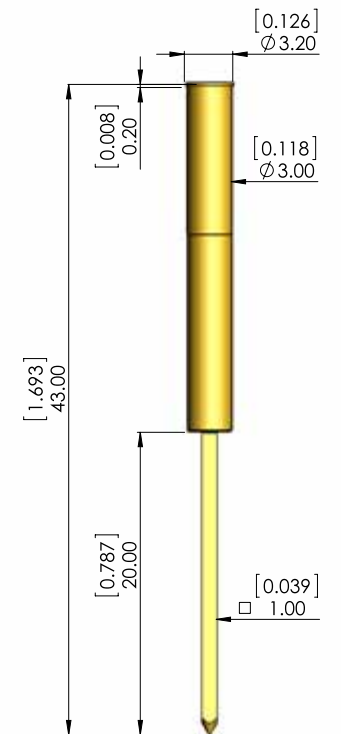
RCP118 WR05

Installation Height

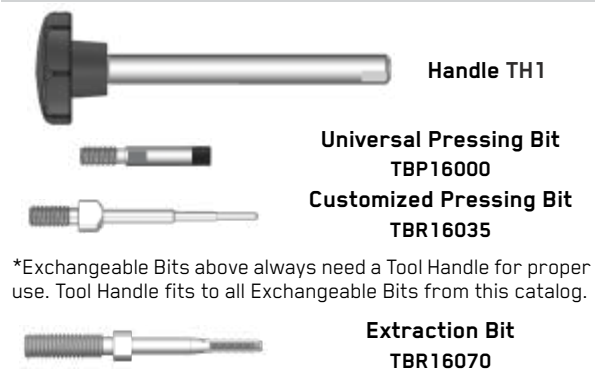
- Fixed: 10.50 mm [0.413]
- Variable: not variable

Material: Brass

Plating: Hard Gold



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 Plating

Code	Material
No letter	Hard Gold

HC1608

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HC2000

HIGH-CURRENT PROBES UP TO 50 A

TIP STYLES

HC2000

Technical Specifications

Recommended Working Stroke: 4.40 mm [0.173]
Full Stroke: 5.50 mm [0.217]
Max. Current: 50 A (for short loads up to 80 A)
Average Resistance: max. 10 mΩ
Barrel Material:
Brass - Gold Plated
Spring Material: SUS
Operating Temperature: - 40 °C up to + 250 °C
[- 40 °F up to + 482 °F]

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

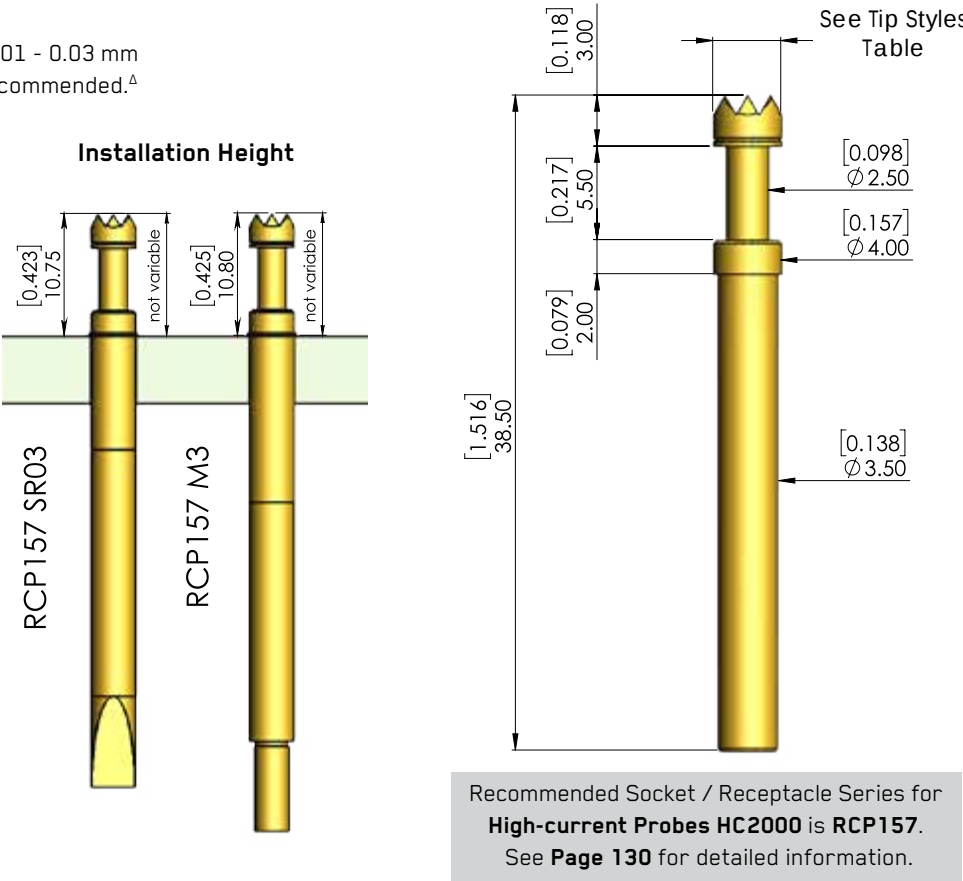
These High-current Probes are designed to withstand High-currents up to 50 Amps AC/DC. High pointing accuracy and long-life expectancy are basic features for this Probe series. All Tip-styles have an engraved "O" ring at the bottom part of the tip, to allow easy recognition. (Note: This is necessary because otherwise their different design is not noticeable externally).

- Applicable for:
- Functional Testing
 - Burn-in Testing
 - Power Supply Testing

Spring Force at Working Stroke (2/3)		
Code	Rated force	
	(N)	[oz]
L	3.00	10.8
X	5.00	18.0

Plunger Plating	
Code	Material
No letter	Hard Gold
S	Silver

Plunger Material	
Code	Material
0	BeCu



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

Tool for HC2000 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	TBP20000	-	TBP20070

*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

HC2000 CG 0 4 L

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]

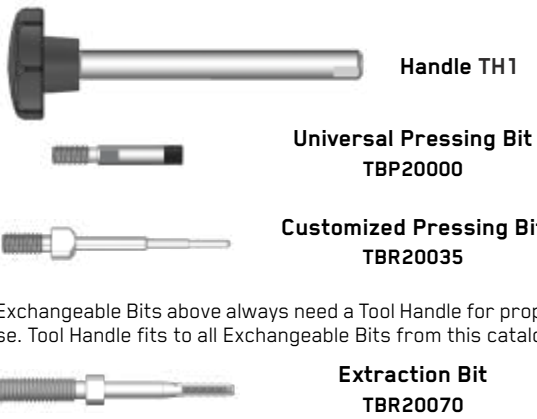
By default Plunger is Hard Gold plated and it is not marked in the PO Code. Fill position b: only if different.

Tip Styles	Plunger Material	Tip Diameter Code	Plunger Plating	Tip Diameter	
				mm	[inches]
	CG	0	4	-	4.00 0.157
	FA	0	3	-	4.00 0.157
	HK	0	3	-	3.00 0.118
	RE	0	3	S	4.00 0.157
	TA	0	3	-	4.00 0.157

Tip Diameter Code changes according to the Tip Style.

- Note:
- The testing of the current was conducted in laboratory conditions, using tip style "CG".
 - Spring forces less than 1.5 N are not recommended for High-current use.

Tool for RCP157 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

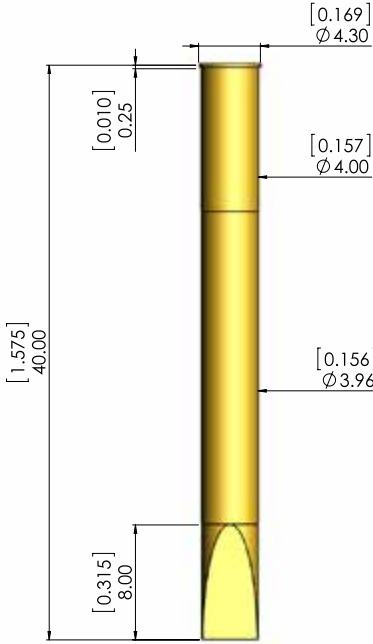
RCP157 SR03

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.

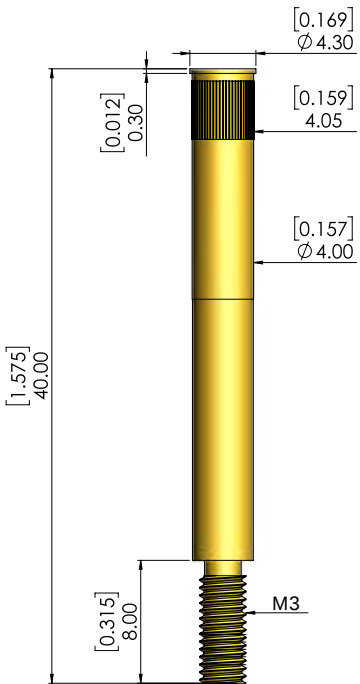
RCP157 SR03

Installation Height
• Fixed: 10.75 mm [0.423]
• Variable: not variable
Material: Brass
Plating: Hard Gold



RCP157 M3

Installation Height
• Fixed: 10.80 mm [0.425]
• Variable: not variable
Material: Brass
Plating: Hard Gold



HC2001

HIGH-CURRENT PROBES UP TO 50 A

TIP STYLES

HC2001

Technical Specifications

Recommended Working Stroke: 7.40 mm [0.291]**Full Stroke:** 8.50 mm [0.335]**Max. Current:** 50 A (for short loads up to 80 A)**Average Resistance:** max. 10 mΩ**Barrel Material:**

Brass - Gold Plated

Spring Material: SUS**Operating Temperature:** - 40 °C up to + 250 °C
[- 40 °F up to + 482 °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]
L	3.00	10.8
X	5.00	18.0

Plunger Material	
Code	Material
0	BeCu

Plunger Plating	
Code	Material
No letter	Hard Gold

Note:

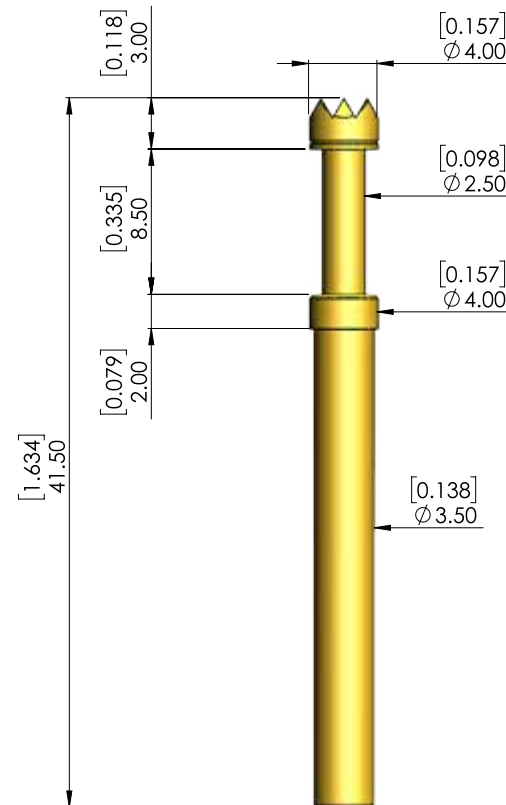
- The testing of the current was conducted in laboratory conditions, using tip style "CG".
- Spring forces less than 1.5 N are not recommended for High-current use.

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

These High-current Probes are designed to withstand High-currents up to 50 Amps AC/DC. High pointing accuracy and long-life expectancy are basic features for this Probe series. All Tip-styles have an engraved "O" ring at the bottom part of the tip, to allow easy recognition. (Note: This is necessary because otherwise their different design is not noticeable externally).

Applicable for:

- Functional Testing
- Burn-in Testing
- Power Supply Testing



Recommended Socket / Receptacle Series for High-current Probes HC2001 is RCP157.
See Page 132 for detailed information.

Tool for HC2001 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	TBP20000	-	TBP20070

*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

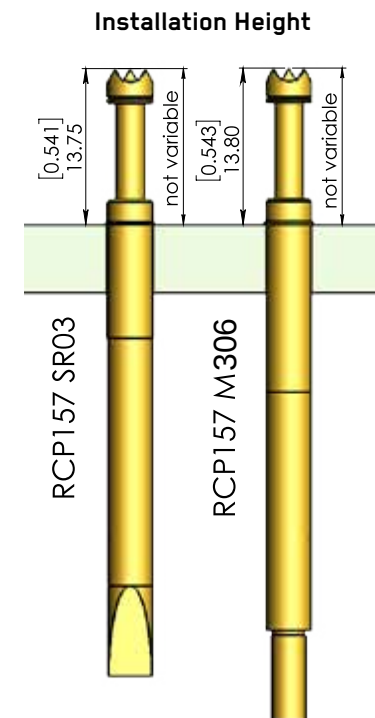
HC2001 CG 04 L
a b c d e f g

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]

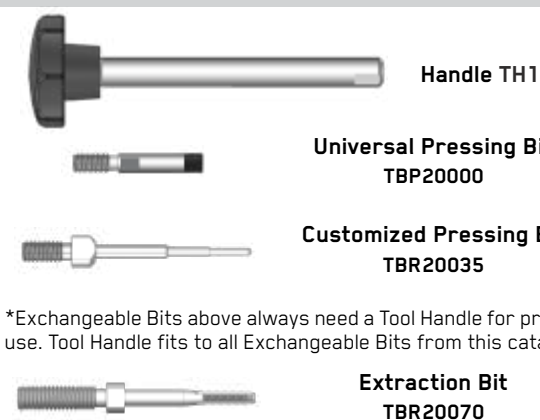
By default Plunger is Hard Gold plated and it is not marked in the PO Code. Fill position b: only if different.

Tip Styles	Plunger Material	Tip Diameter Code	Tip Diameter	
			mm	[inches]
	CG	0	4	0.157

≡ Tip Diameter Code changes according to the Tip Style.



Tool for RCP157 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

RCP157 SR03
x y z

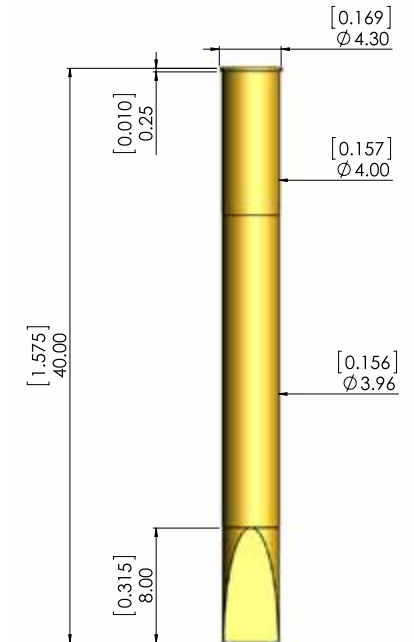
x: Series • y: Socket / Receptacle Plating • z: Option

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

RCP157 SR03

Installation Height

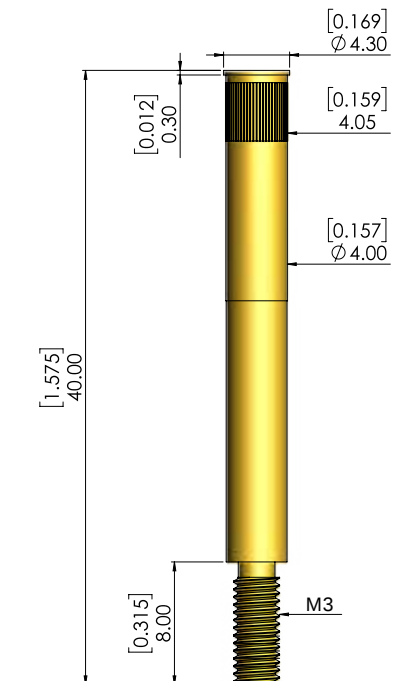
- Fixed: 13.75 mm [0.541]
- Variable: not variable

Material: Brass**Plating:** Hard Gold

RCP157 M306

Installation Height

- Fixed: 13.80 mm [0.543]
- Variable: not variable

Material: Brass**Plating:** Hard Gold

SW750

SWITCH PROBES

TIP STYLES

SW750

Technical Specifications

Recommended Working Stroke: 4.00 mm [0.157]

Full Stroke: 5.00 mm [0.197]

Switching path: 2.60 mm [0.102] ± 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.^A

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

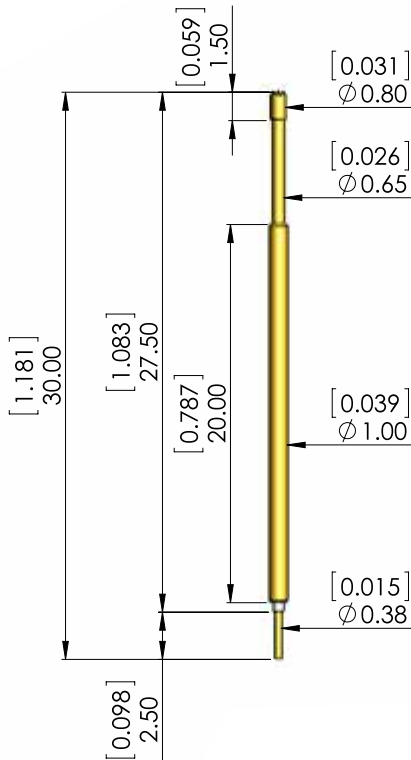
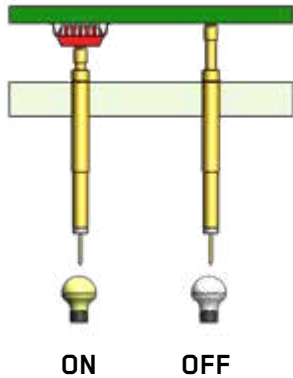
Typical applications for this type of product are:

- 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

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

Plunger Material	
Code	Material
0	BeCu

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

Recommended Socket / Receptacle Series for
Switch Probes SW750 is RCP052.
See Page 134 for detailed information.

Tool for SW750 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	-	TBP7570

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

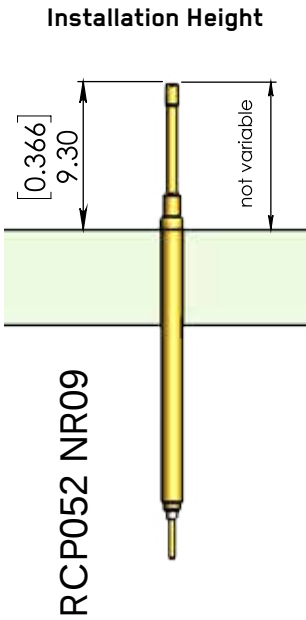
Test Probes Ordering Code Example						
SW750	CG	03	S			
a	b	c	d	e	f	g

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 Styles	Plunger Material	Tip Diameter Code	Tip Diameter	
			mm	[inches]
	CG	0	3	0.80 0.031
	FA	0	3	0.80 0.031

Tip Diameter Code changes according to the Tip Style.



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

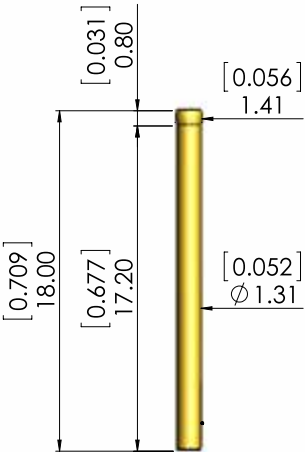
RCP052 NR09

Installation Height

- Fixed: 9.30 mm [0.366]
- Variable: not variable

Material: Bronze

Plating: Hard Gold



Tool for RCP052 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	
RCP052	NR09	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.

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.^A

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

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

^A 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	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						
SW1000	CG	5	3	S		
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]

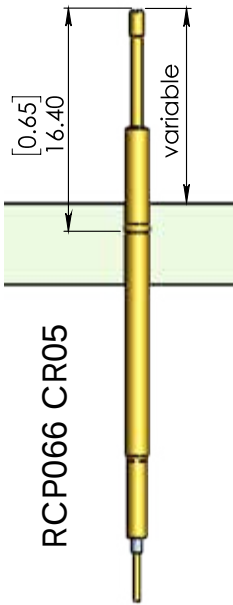
By default Plunger is Hard Gold plated and it is not marked in the PO Code. Fill position b: only if different.

Tip 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

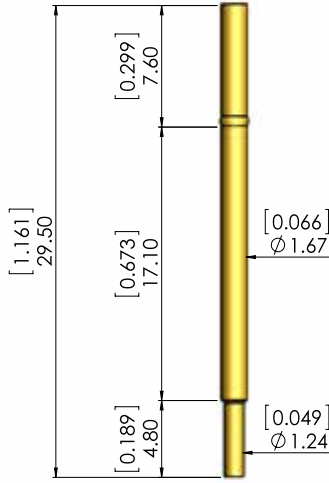
• Fixed: 16.40 mm [0.645]

• 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		Socket / Receptacle Plating	
RCP066	CR05	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.

SW1001

SWITCH PROBES

TIP STYLES

SW1001

Technical Specifications

Recommended Working Stroke: 4.00 mm [0.157]

Full Stroke: 5.30 mm [0.209]

Switching path: 2.60 mm [0.102] ± 0.2 [0.008]

Max. Current: 3 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

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

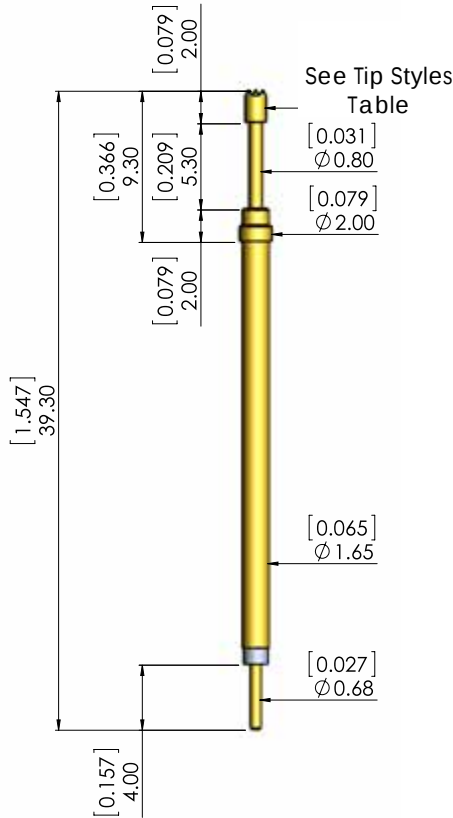
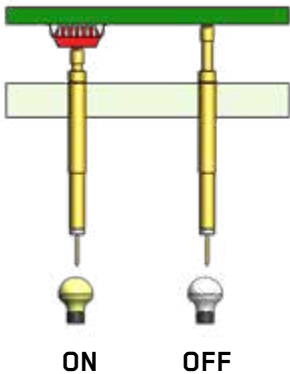
Typical applications for this type of product are:

- 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

Spring Force at Switching Point		
Code	Rated force	
	(N)	[oz]
M	1.50	5.4

Plunger Material	
Code	Material
5	Steel
9	Plastic

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 SW1001 is RCP079. See Page 138 for detailed information.

Tool for SW1001 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						
SW1001	CG	5	3	M		
a	b	c	d	e	f	g

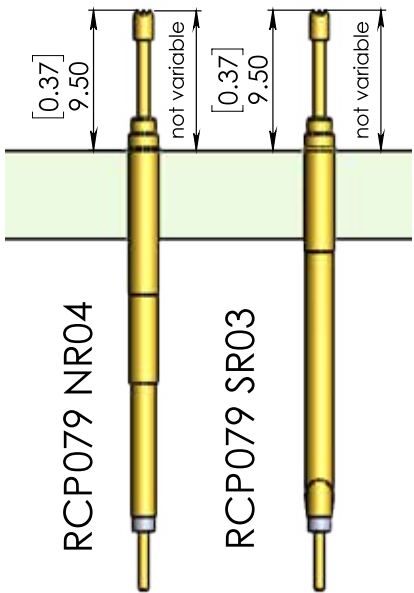
a: Series • b: Plunger Plating • c: Tip Style • d: Plunger Material • e: Tip Diameter Code • f: Spring Force Code • g: Special Tip Diameter [mm x 100]

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

Tip Styles	Plunger Material	Tip Diameter Code	Tip Diameter	
			mm	[inches]
	IW	9	1.50	0.059
	CG	5	1.30	0.051
	FA	5	0.80	0.031
	TA	5	1.50	0.059

Tip Diameter Code changes according to the Tip Style.

Installation Height with different Sockets / Receptacles



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

Socket / Receptacle Ordering Code Example			Socket / Receptacle Plating	
RCP079	NR04		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.

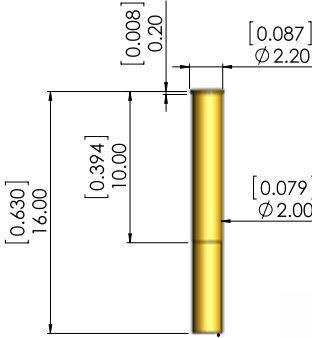
RCP079 NR04

Installation Height

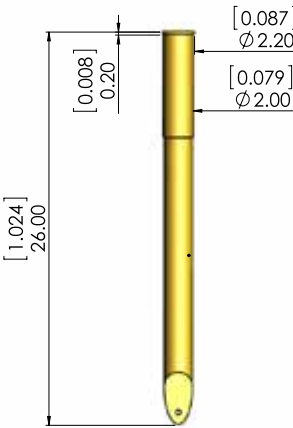
- Fixed: 9.50 mm [0.374]
- Variable: not variable

Material: Brass

Plating: Hard Gold



RCP079 SR03



Tool for RCP079 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)

SW1002

SWITCH PROBES

TIP STYLES

SW1002

Technical Specifications

Recommended Working Stroke: 4.00 mm [0.157]

Full Stroke: 5.30 mm [0.209]

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

Max. Current: 3A (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.^A

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

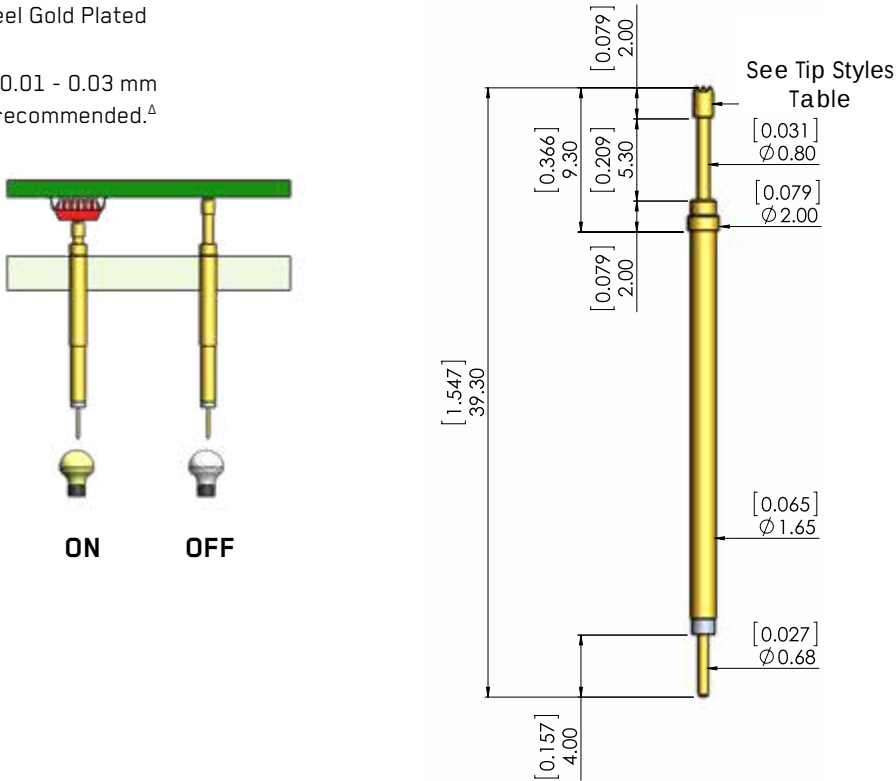
Typical applications for this type of product are:

- 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

Spring Force at Switching Point		
Code	Rated force	
	(N)	[oz]
M	1.00	3.6

Plunger Material	
Code	Material
5	Steel
9	Plastic

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

Recommended Socket / Receptacle Series for Switch Probes SW1002 is RCP079. See Page 140 for detailed information.

Tool for SW1002 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						
SW1002	CG	5	3	M		
a	b	c	d	e	f	g

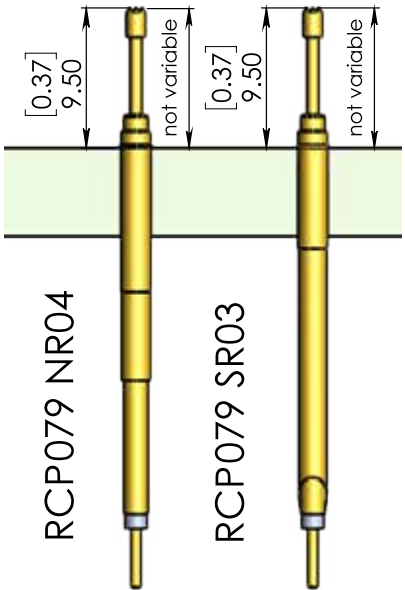
a: Series • b: Plunger Plating • c: Tip Style • d: Plunger Material • e: Tip Diameter Code • f: Spring Force Code • g: Special Tip Diameter [mm x 100]

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

Tip Styles	Plunger Material	Tip Diameter Code	Tip Diameter	
			mm	[inches]
IW	9	3	1.50	0.059
CG	5	3	1.30	0.051
FA	5	3	0.80	0.031
TA	5	3	1.50	0.059

Tip Diameter Code changes according to the Tip Style.

Installation Height with different Sockets / Receptacles



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

Socket / Receptacle Ordering Code Example			Socket / Receptacle Plating	
RCP079	NR04		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.

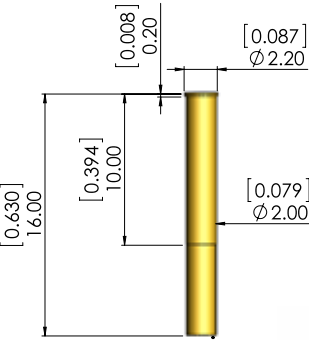
RCP079 NR04

Installation Height

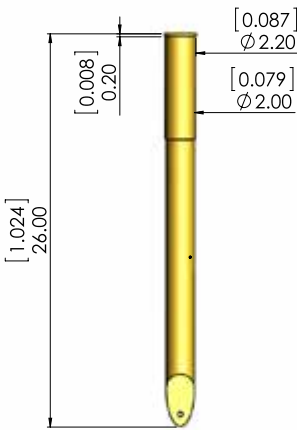
- Fixed: 9.50 mm [0.374]
- Variable: not variable

Material: Brass

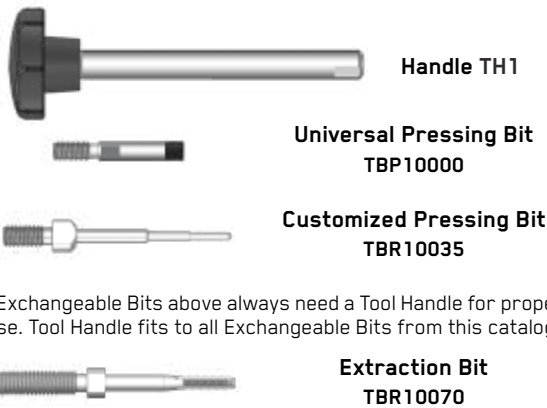
Plating: Hard Gold



RCP079 SR03



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)

SW1400

SWITCH PROBES

TIP STYLES

SW1400

Technical Specifications

Recommended Working Stroke: 4.00 mm [0.157]

Full Stroke: 5.20 mm [0.205]

Switching path: 1.70 mm [0.0671] ± 0.20 [0.008]

Max. Current: 5 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.^A

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

Spring Force at Switching Point		
Code	Rated force	
	(N)	[oz]
XS	2.30	8.3

Plunger Material	
Code	Material
5	Steel
9	Plastic

Plunger Plating	
Code	Material
No letter	Hard Gold

Recommended Socket / Receptacle Series for
Switch Probes SW1400 is RCP118.
See Page 142 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 SW1400 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	TBP16000	TBP16035	TBP14070

*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						
SW1400	CG	5	5	XS		
a	b	c	d	e	f	g

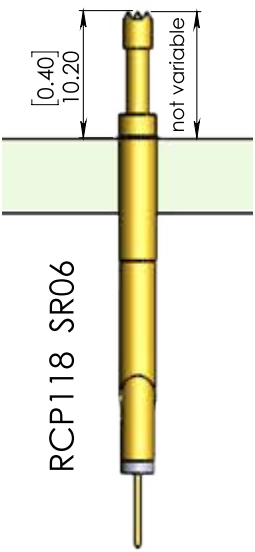
a: Series • b: Plunger Plating • c: Tip Style • d: Plunger Material • e: Tip Diameter Code • f: Spring Force Code • g: Special Tip Diameter [mm x 100]

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

Tip Styles	Plunger Material	Tip Diameter Code	Tip Diameter	
			mm	[inches]
	CG	5	2.30	0.090
	FA	3	1.80	0.071
	IW	4	3.00	0.118
		6	5.00	0.197

Tip Diameter Code changes according to the Tip Style.

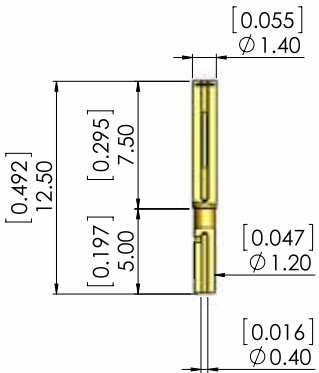
Installation Height



- Not available standard insertion / extraction tool for this tip size in default grid.
Please See Page 7 for list of Special Tools.

PLG1019

Material: Brass



Quick wire change solution.

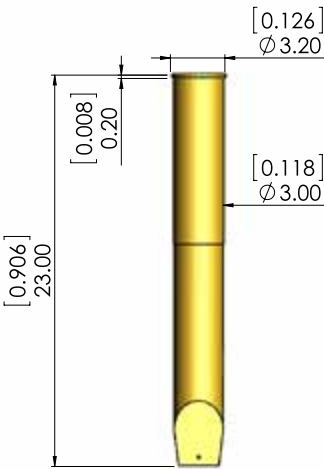
RCP118 SR06

Installation Height

- Fixed: 10.20 mm [0.401]
- Variable: not variable

Material: Brass

Plating: Hard Gold



*Note: The Receptacle can be used from Grid 4.50 mm (177 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	
RCP118	SR06		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.

SW01400

SWITCH PROBES OPENERS

TIP STYLES

SW01400

Technical Specifications

Recommended Working Stroke: 4.00 mm [0.157]

Full Stroke: 5.00 mm [0.197]

Switching path: 1.70 mm [0.067] ± 0.20 [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

Connector Pin Diameter: 0.50 mm [0.020]

Connector Pin Length: 6.00 mm [0.236]

Mounting Hole Size:

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

Spring Force at Switching Point		
Code	Rated force	
	(N)	[oz]
N	2.30	8.3

Plunger Material	
Code	Material
5	Steel
9	Plastic

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

Recommended Socket / Receptacle Series for Switch Probes SW01400 is RCP118.
See Page 144 for detailed information.

Tool for SW01400 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	TBP16000	-	TBP14070

*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						
SW01400	3CK	5	3	N		
a	b	c	d	e	f	g

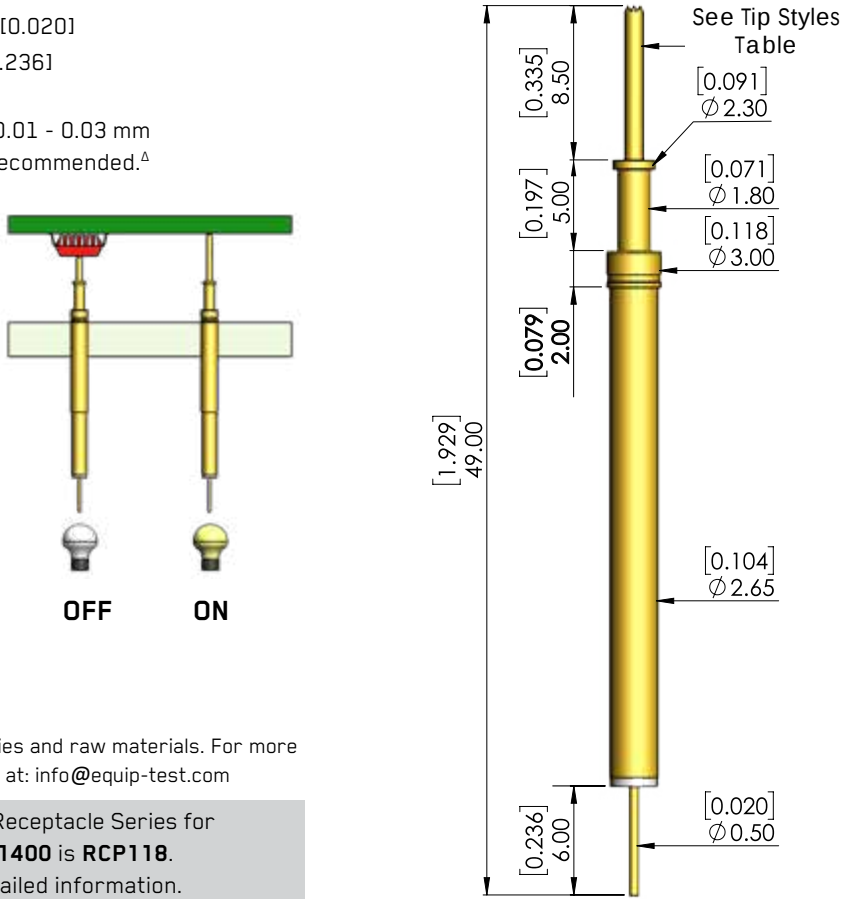
a: Series • b: Plunger Plating • c: Tip Style • d: Plunger Material • e: Tip Diameter Code • f: Spring Force Code • g: Special Tip Diameter [mm x 100]

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

Switch Probe Openers are actually micro-switches with normally closed circuits. The repeatable switching path ensures the quality of our Switch Probes Openers.

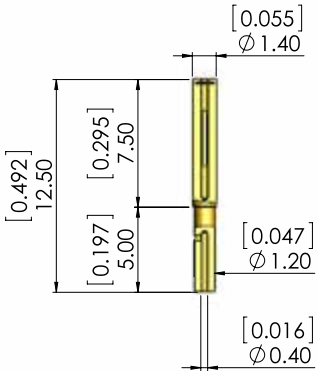
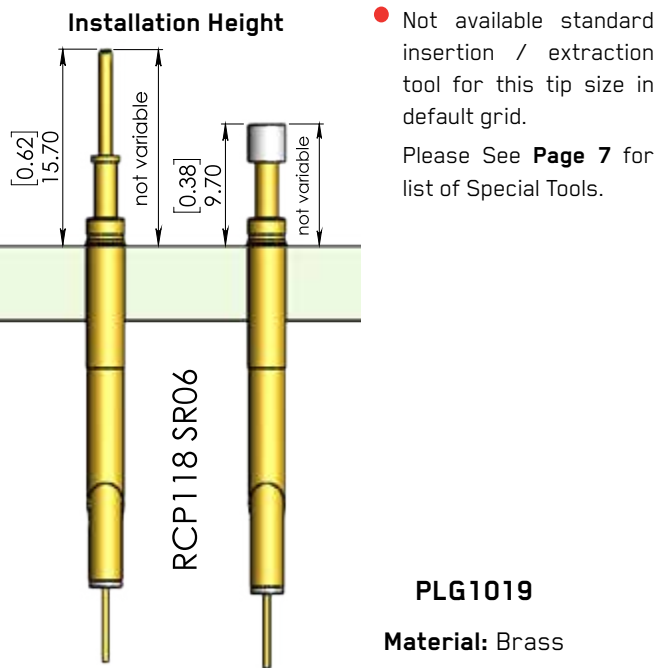
Typical applications for this type of product are:

- 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	2.30 0.090
	3CK	5	3	1.00 0.039
	IW	9	3	3.00 0.118
		9	4	4.00 0.157
		9	5	5.00 0.197

Tip Diameter Code changes according to the Tip Style.



Quick wire change solution.

Socket / Receptacle Ordering Code Example			Socket / Receptacle Plating	
RCP118	SR06		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.

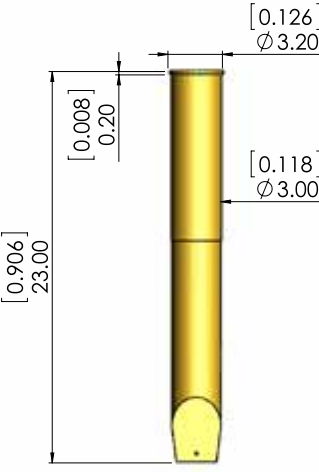
RCP118 SR06

Installation Height

- Fixed: 15.70 mm [0.618]
- Variable: not variable

Material: Brass

Plating: Hard Gold



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)

NRSW1400

NON-ROTATING SWITCH PROBES

TIP STYLES

NRSW1400

Technical Specifications

Recommended Working Stroke: 4.00 mm [0.157]**Full Stroke:** 5.00 mm [0.197]**Switching path:** 1.70 mm [0.067] ± 0.20 [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**Connector Pin Diameter:** 0.50 mm [0.020]**Connector Pin Length:** 6.00 mm [0.236]**Mounting Hole Size:**Socket / Receptacle Diameter + 0.01 - 0.03 mm
[0.394 - 1.181 mil] drill bits are recommended.^A

Non-Rotating Switch Probes are actually micro-switches with different switching paths and non-rotating plunger tips. The repeatable quality of our Switch Probes ensures our customers satisfaction. They are secured against tip rotation in order to allow reliable entrance into a flat-hole connector housing.

Typical application:

- Component Presence Check of angled flat-connector housing

Spring Force at Switching Point		
Code	Rated force	
	(N)	[oz]
XS	2.30	8.3

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

Recommended Socket / Receptacle Series for Non-Rotating Switch NRSW1400 is RCP118.
See Page 146 for detailed information.

Tool for NRSW1400 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	TBP16000	TBP16035	TBP14070

*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

NRSW1400 WC 5 3 XS g

a b c d e f g

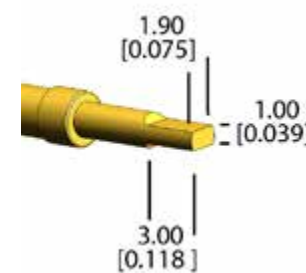
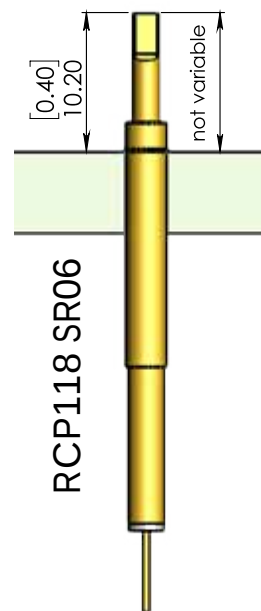
a: Series • b: Plunger Plating • c: Tip Style • d: Plunger Material • e: Tip Diameter Code • f: Spring Force Code • g: Special Tip Diameter [mm x 100]

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

Tip Styles	Plunger Material	Tip Diameter Code	Tip Diameter	
			mm	[inches]
	WC	5	3	1.90 X 1.00 0.075 X 0.039
	WD	5	3	4.00 X 0.65 0.118 X 0.026

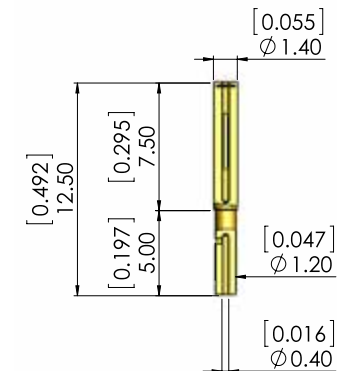
Tip Diameter Code changes according to the Tip Style.

Installation Height



PLG1019

Material: Brass

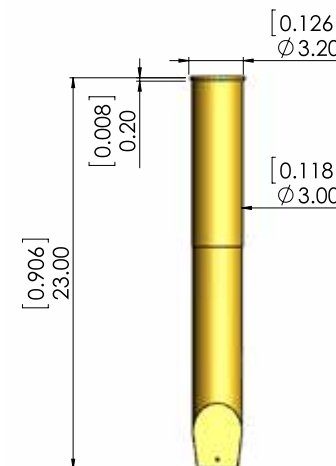


Quick wire change solution.

RCP118 SR06

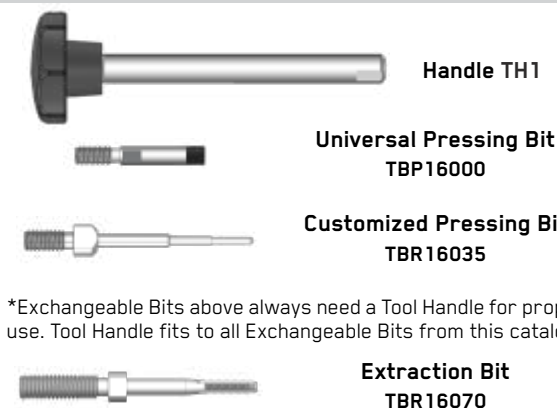
Installation Height

- Fixed: 10.20 mm [0.402]
- Variable: not variable

Material: Brass**Plating:** Hard Gold

- Not available standard insertion / extraction tool for this tip size in default grid.
Please See Page 7 for list of Special Tools.

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

RCP118 SR06

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

SWTB2560

BALL-HEAD SWITCH PROBES

TIP STYLES

SWTB2560

Technical Specifications

Recommended Working Stroke: 0.80 mm [0.031]
Full Stroke: 1.00 mm [0.039]
Switching path: 0.50 mm [0.020] ± 0.20 [0.008]
Max. Current: 1 A (continuous)
Average Resistance: < 25 mΩ
Barrel Material:
Brass - Gold Plated
Spring Material: SUS / Spring Steel Gold Plated
Connector Pin Diameter: 0.50 mm [0.020]
Connector Pin Length: 6.00 mm [0.236]
Mounting Hole Size:
Socket / Receptacle Diameter + 0.01 - 0.03 mm
[0.394 - 1.181 mil] drill bits are recommended.^A

Spring Force at Switching Point		
Code	Rated force	
	(N)	[oz]
S	0.70	2.5

Plunger Material	
Code	Material
5	Steel

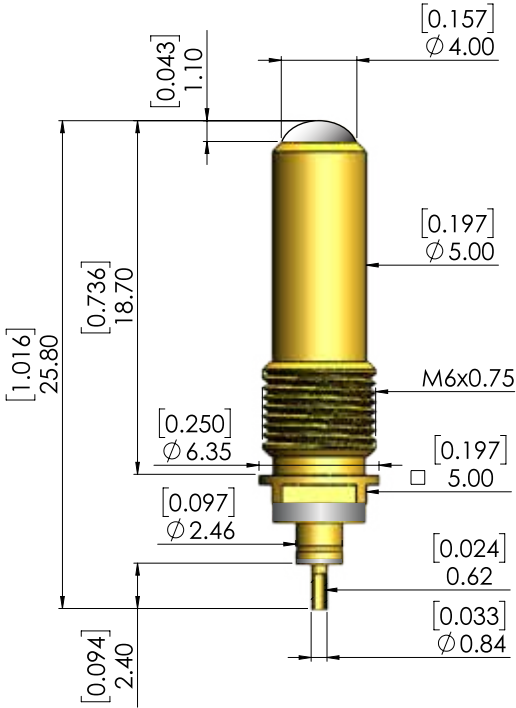
Plunger Plating	
Code	Material
No letter	Hard Gold

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

Ball-head Switch Probes series SWTB2560 are actually micro-switches and are ideal for side-connection. The threaded design allows precise height and switching point adjustment. The repeatable switching path ensures the quality of our Switch Probes.

Typical applications for this type of product are:

- Moving DUT detection
- Side connection to DUT



Recommended Socket / Receptacle Series for Switch Probes SWTB2560 is RCT256. See Page 148 for detailed information.

Tool for SWTB2560 Series Test Probes Contains: Tool Handle + Exchangeable Bit(s) - has to be chosen*	
Tool Handle w. shaft	Insertion & Extraction Bit
TH1	TBT30070

*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						
SWTB2560	QB	5	3	S		
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 Styles		Plunger Material	Tip Diameter Code	Tip Diameter	
				mm	[inches]
 	QB	5	3	4	0.157

≡ Tip Diameter Code changes according to the Tip Style.

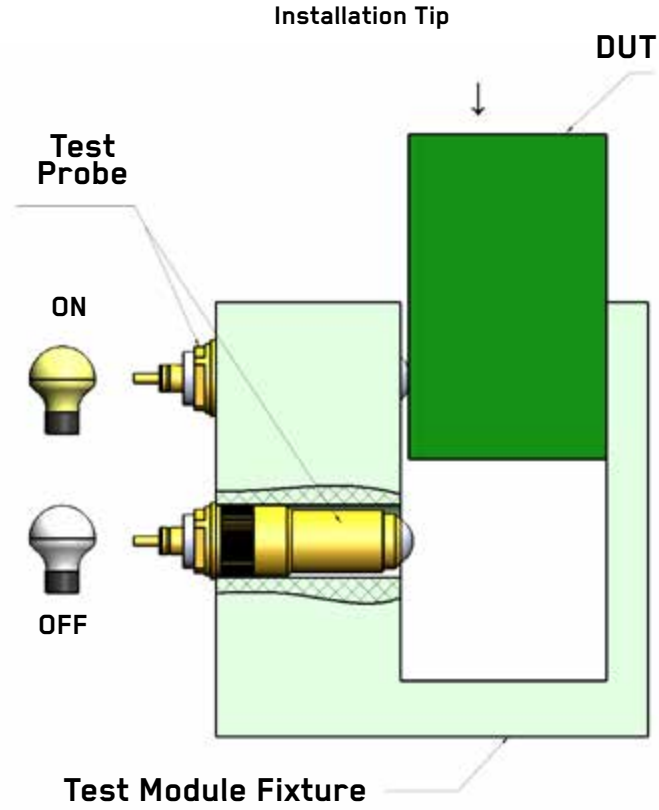
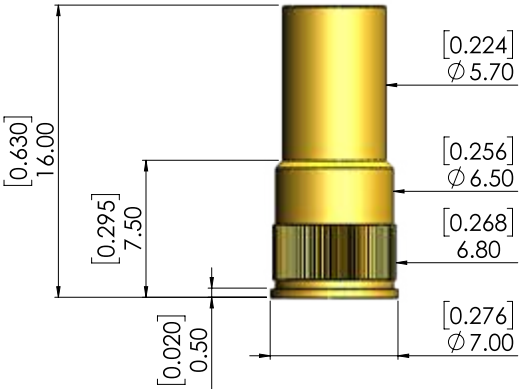
RCT256 NR03

Installation Height

- Variable: variable

Material: Brass

Plating: Hard Gold



Tool for RCT256 Sockets / Receptacles Contains: Tool Handle + Exchangeable Bit(s) - has to be chosen*	
	Handle TH1
	Universal Pressing Bit TBP30000
	Customized Pressing Bit TBR30035
	Extraction Bit TBR30070

*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	
RCT256	NR03		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.

PN1000

PNEUMATIC TEST PROBES

TIP STYLES

PN1000

Technical Specifications

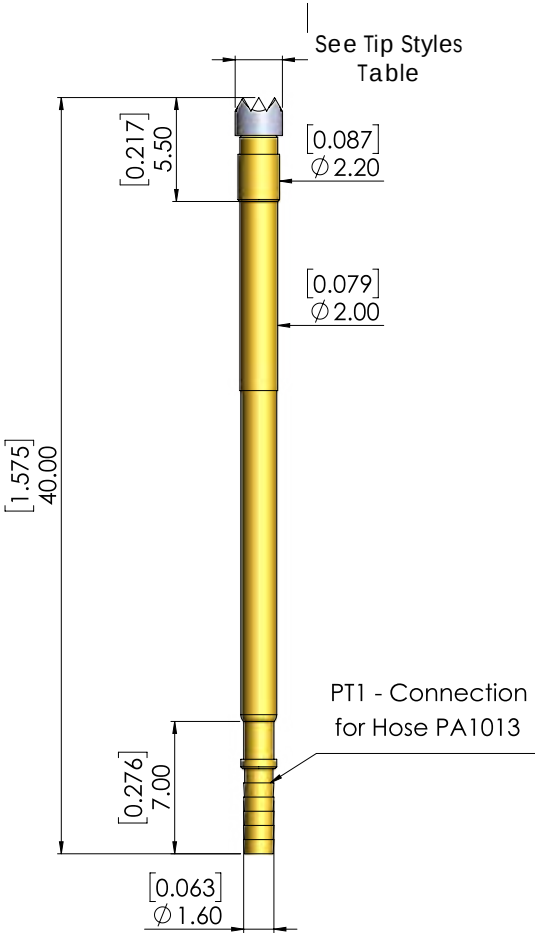
Recommended Working Stroke: 6.00 mm [0.236]
Maximum Stroke: 10.00 mm [0.394]
Contact Force at Work.Stroke: 0.6 N (2.2 oz)
Operating Medium: Compressed Air (filtered, oil-free)
Operating Pressure: 6 bar (86 psi)
Max. Current: 1 - 2 A (continuous)
Average Resistance: max. 30 mΩ
Barrel Material: Phosphor 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.^A

Spring Force at Working Stroke (2/3)			Plunger Material	
Code	Rated force		Code	Material
	(N)	[oz]	5	Steel
LS	0.60	2.2		
			Plunger Plating	
Code			Code	Material
			R	Rhodium

^AVaries 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 PN1000 is RCP094. See Page 150 for detailed information.

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.



Tool for PN1000 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.

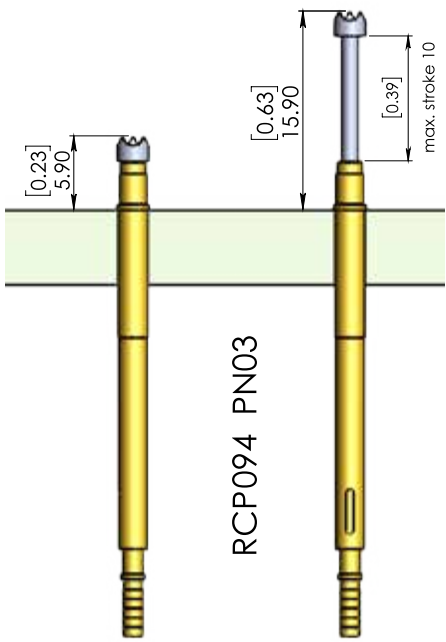
Test Probes Ordering Code Example						
PN1000	R	CG	54	LS		
a	b	c	d	e	f	g

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.

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

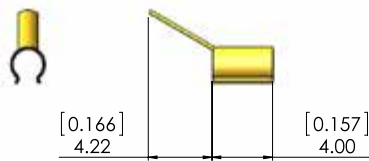
Tip Diameter Code changes according to the Tip Style.

Installation Height & Max. Stroke



PA1040

Material: Brass - Gold Plated



Quick wire change solution.

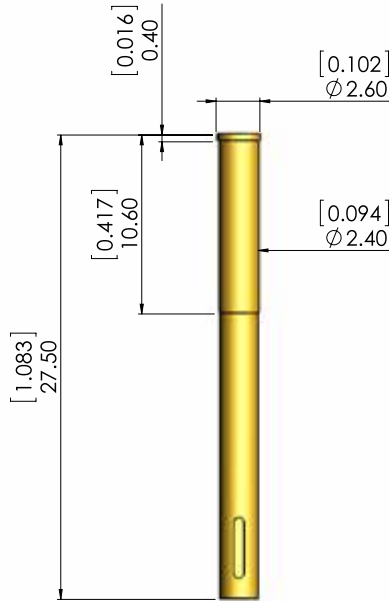
Socket / Receptacle Ordering Code Example		Socket / Receptacle Plating	
RCP094	PN03	Code	Material
x	y	No letter	Hard Gold

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.

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*



*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)

PN1001

PNEUMATIC TEST PROBES

TIP STYLES

PN1001

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.^A

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.

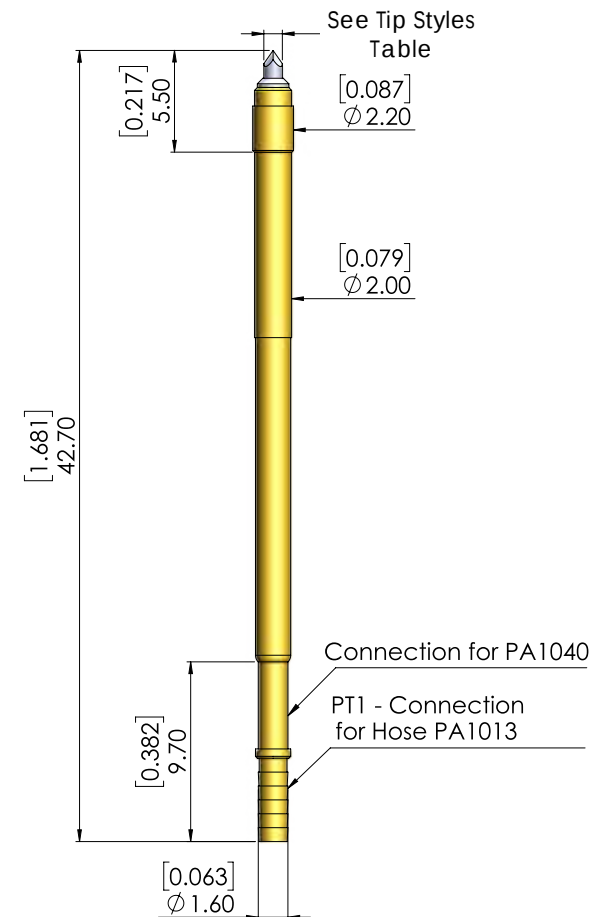
Spring Force at Working Stroke (2/3)		
Code	Rated force (N)	[oz]
LS	0.60	2.2

Plunger Material	
Code	Material
5	Steel

Plunger Plating	
Code	Material
R	Rhodium

^A 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.

Test Probes Ordering Code Example

PN1001 R 1LA 5 3 LS

a b c d e f g

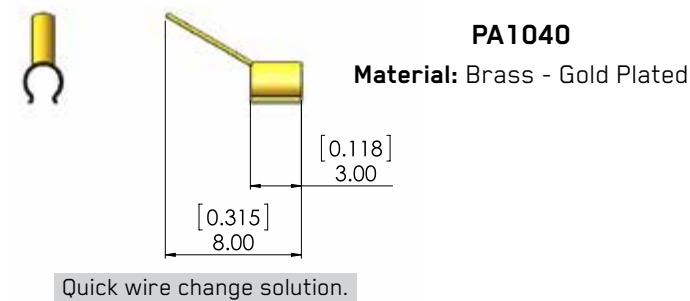
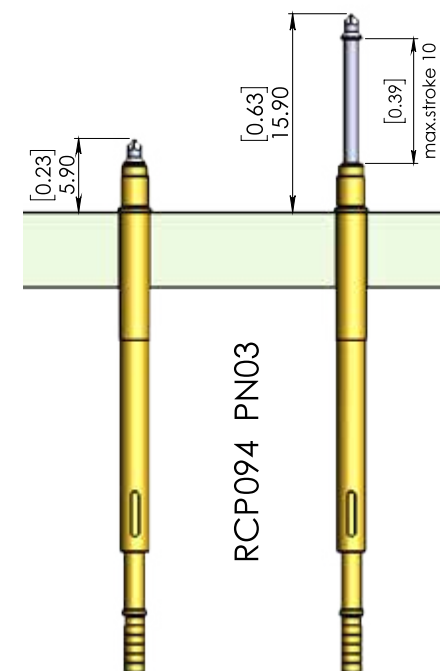
a: Series • b: Plunger Plating • c: Tip Style • d: Plunger Material • e: Tip Diameter Code • f: Spring Force Code • g: Special Tip Diameter [mm x 100]

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

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

Tip Diameter Code changes according to the Tip Style.

Installation Height & Max. Stroke



Socket / Receptacle Ordering Code Example

RCP094 PN03

x y z

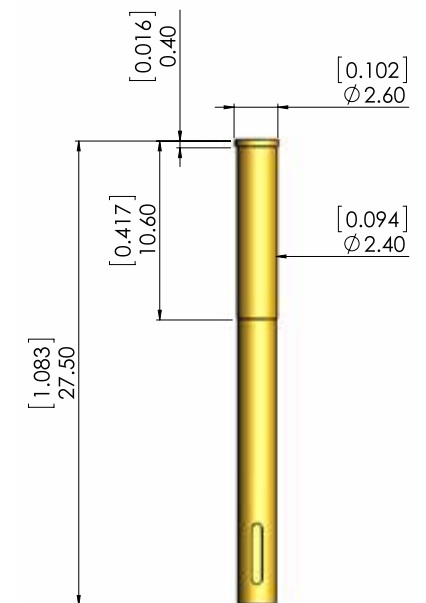
x: Series • y: Socket / Receptacle Plating • z: Option

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

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*



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

Socket / Receptacle Ordering Code Example

RCP094 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.

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 Copperr
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.^A

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)			Plunger Material	
Code	Rated force		Code	Material
	(N)	[oz]	5	Steel
XS	0.60	2.2		

Plunger Plating	
Code	Material
R	Rhodium

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

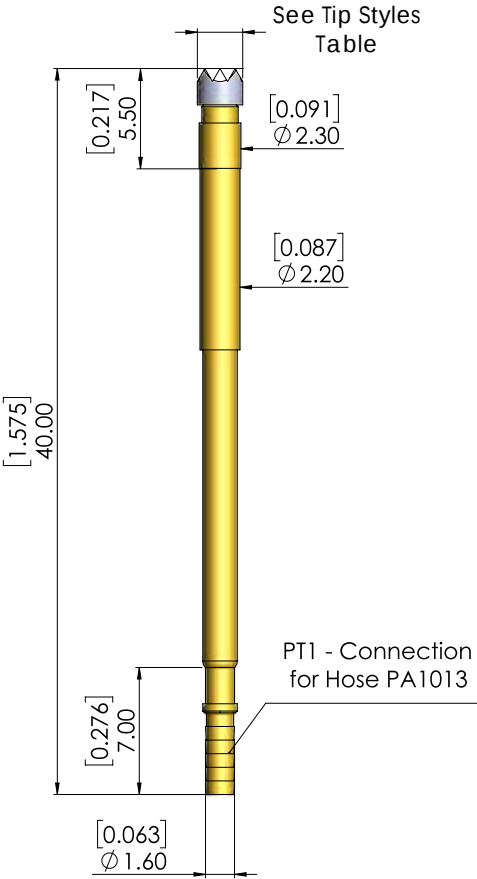
Recommended Socket / Receptacle Series for Pneumatic Test Probes PN1002 is RCP118. See Page 154 for detailed information.

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.

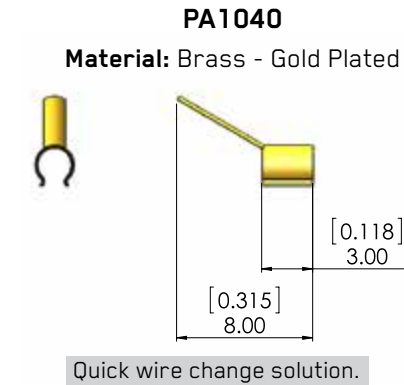
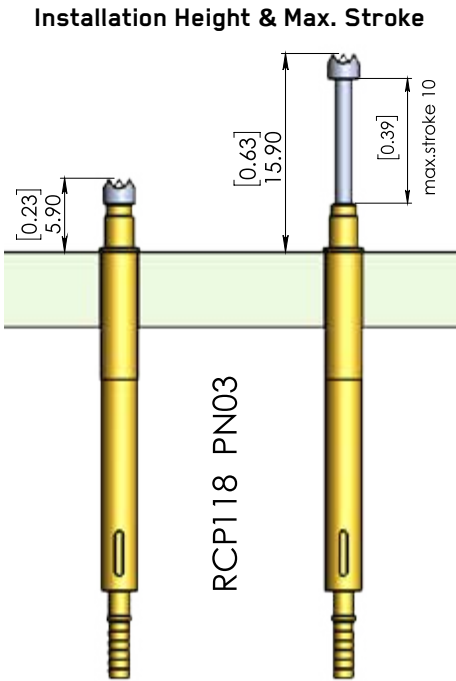
Test Probes Ordering Code Example						
PN1002	R	CG	5	4	XS	
a	b	c	d	e	f	g

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.



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
	3UB	5	4	R	1.50 0.059

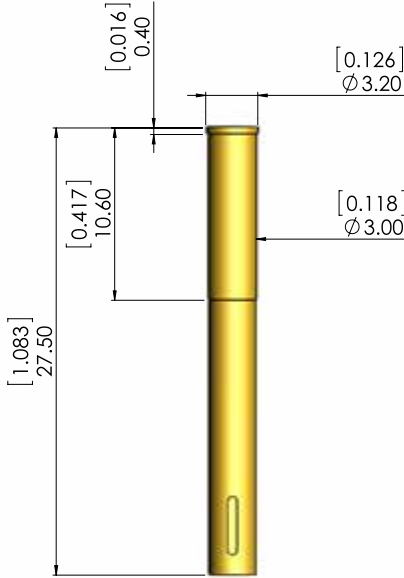
Tip Diameter Code changes according to the Tip Style.



Socket / Receptacle Ordering Code Example			Socket / Receptacle Plating	
RCP118	PN03		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.

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*

**Handle TH1**

**Universal Pressing Bit TBP16000**

**Customized Pressing Bit TBR16035**

**Extraction Bit TBR16070**

*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)

PN1003

PNEUMATIC TEST PROBES

TIP STYLES

PN1003

Technical Specifications

Recommended Working Stroke: 6.00 mm [0.236]**Maximum Stroke:** 10.00 mm [0.394]**Contact Force at Work.Stroke:** 0.8 N (2.9 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.^A

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)			Plunger Material	
Code	Rated force		Code	Material
	(N)	[oz]	5	Steel
XS	0.60	2.2		

Plunger Plating	
Code	Material
R	Rhodium

^A 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 PN1003 is RCP118. See Page 156 for detailed information.

Tool for PN1003 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.

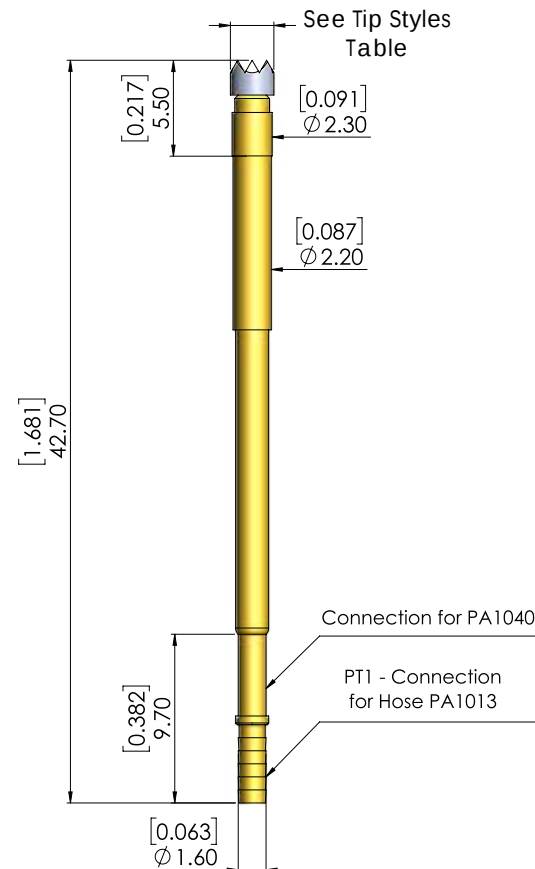
Test Probes Ordering Code Example

PN1003 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]

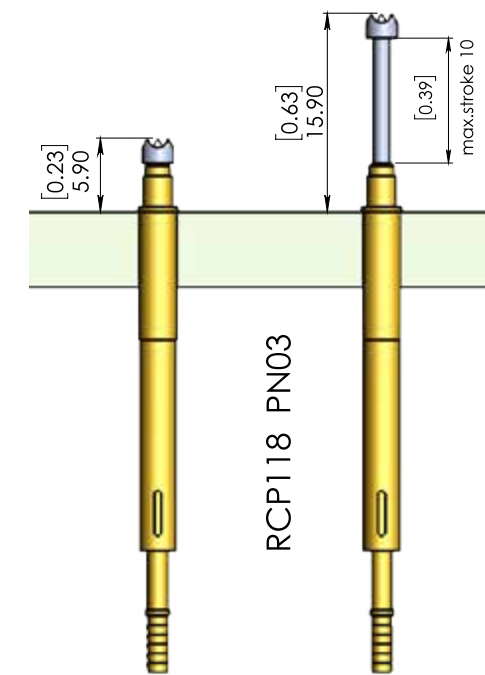
By default Plunger is Hard Gold plated and it is not marked in the PO Code. Fill position b: only if different.



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
		3UB	5	4	R	1.50	0.059

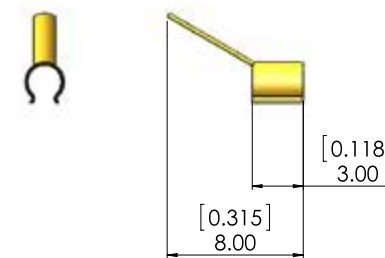
Tip Diameter Code changes according to the Tip Style.

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

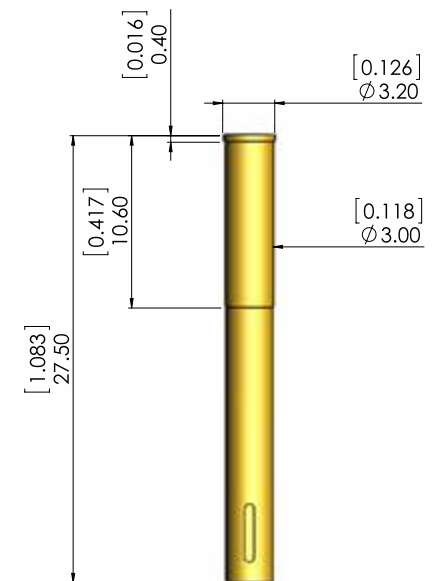
By default Socket / Receptacle is Hard Gold plated and it is not marked in the PO Code. Fill position y: only if different.

RCP118 PN03

Installation Height

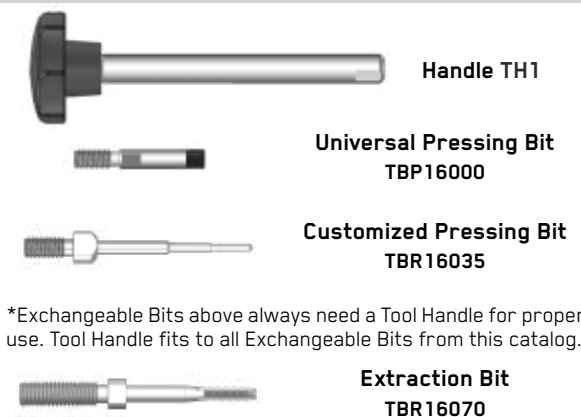
• Fixed: 5.90 mm [0.232]

• 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 Plating

Code	Material
No letter	Hard Gold

PN1401

PNEUMATIC TEST PROBES

TIP STYLES

PN1401

Technical Specifications

Recommended Working Stroke: 6.00 mm [0.236]

Maximum Stroke: 10.00 mm [0.787]

Contact Force at Work.Stroke: *1.10 N (4.0 oz) or
1.50 N (5.4 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

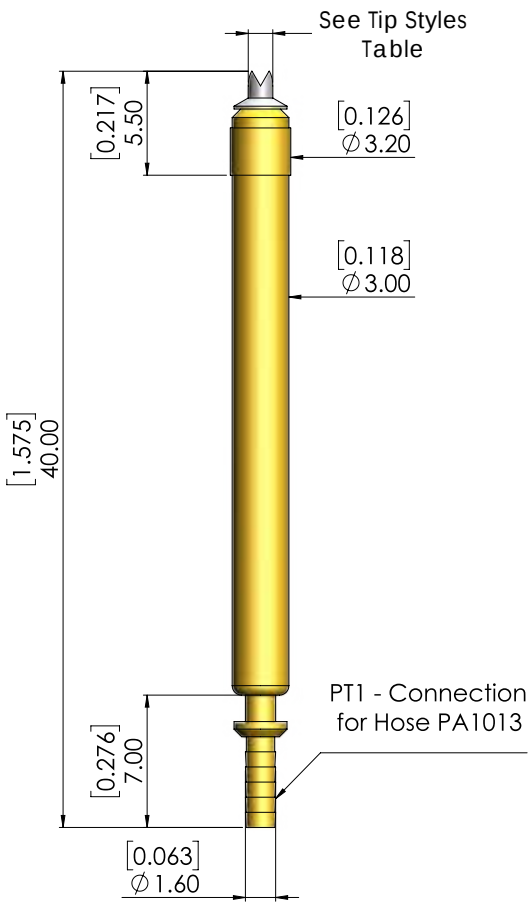
Spring Material: SUS / Spring Steel Gold Plated

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.^A

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.



^A 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 PN1401 is RCP134.
See Page 158 for detailed information.

Test Probes Ordering Code Example

PN1401 R 1CA 5 5 M g

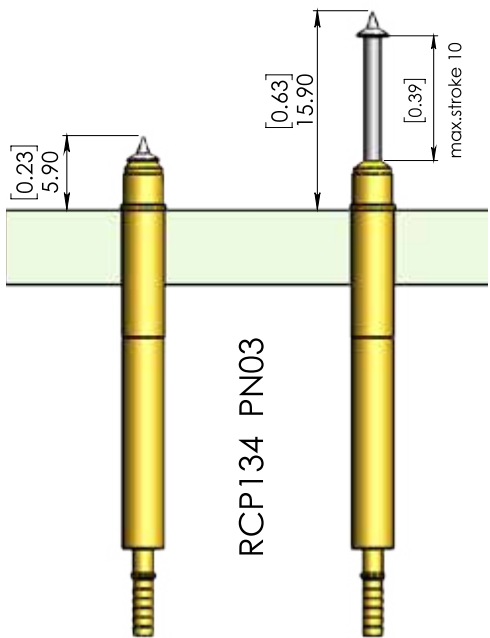
a: Series • b: Plunger Plating • c: Tip Style • d: Plunger Material • e: Tip Diameter Code • f: Spring Force Code • g: Special Tip Diameter [mm x 100]

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

Tip Styles	Plunger Material	Tip Diameter Code	Plunger Plating	Tip Diameter	
				mm	[inches]
	1CA	5	5	R	1.30 0.051
	TA	5	3	R	3.00 0.118
	1UB	5	3	R	2.00 0.078

Tip Diameter Code changes according to the Tip Style.

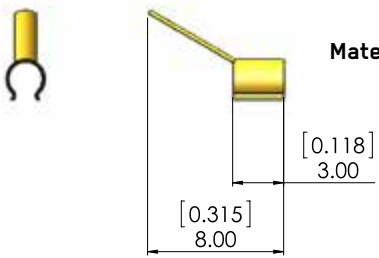
Installation Height & Max. Stroke



RCP134 PN03

PA1040

Material: Brass - Gold Plated



Quick wire change solution.

Socket / Receptacle Ordering Code Example

RCP134 PN03

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.

RCP134 PN03

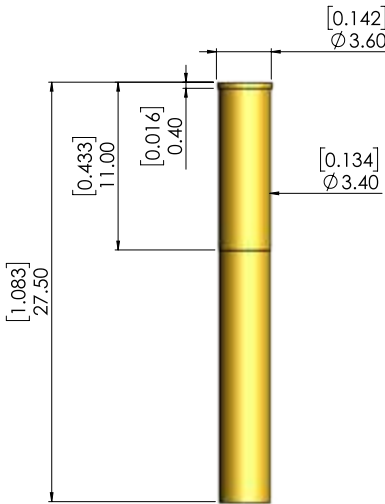
Installation Height

• Fixed: 5.90 mm [0.232]

• Variable: not variable

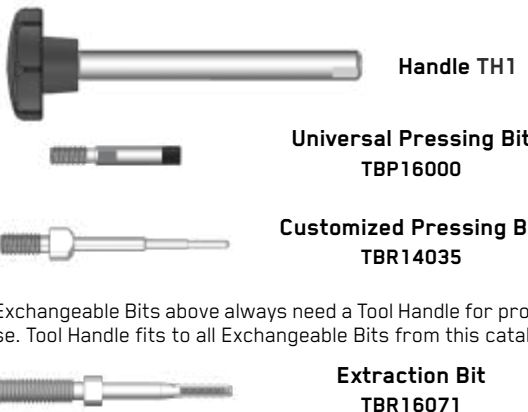
Material: Brass

Plating: Hard Gold



Note: The Sockets / Receptacles RCP134 and PA1040 can be used from Grid 4.00 mm (160 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 Plating

Code Material
No letter Hard Gold

PN1402

PNEUMATIC TEST PROBES

TIP STYLES

PN1402

Technical Specifications

Recommended Working Stroke: 6.00 mm [0.236]

Maximum Stroke: 10.00 mm [0.787]

Contact Force at Work.Stroke: *1.10 N [4.0 oz] or
1.50 N [5.4 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

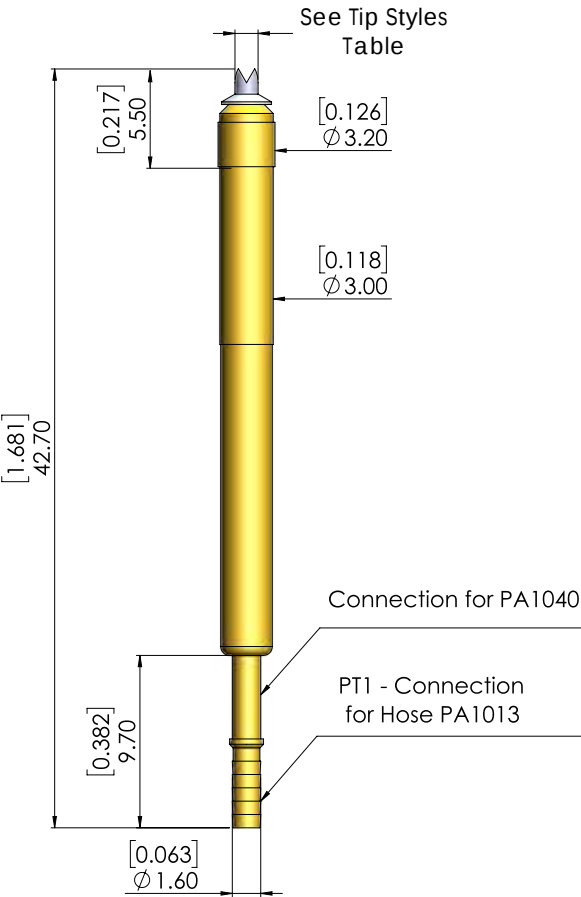
Spring Material: SUS / Spring Steel Gold Plated

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.^A

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.



^A 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 PN1402 is RCP134.
See Page 160 for detailed information.

Tool for PN1402 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	TBP16000	-	-

*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

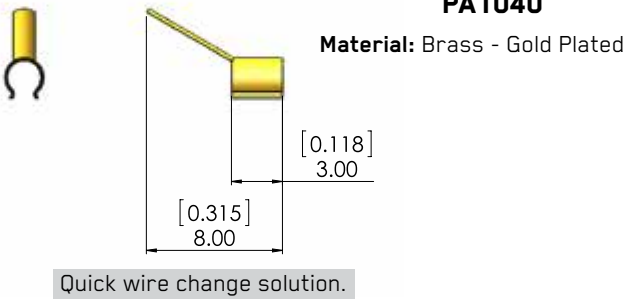
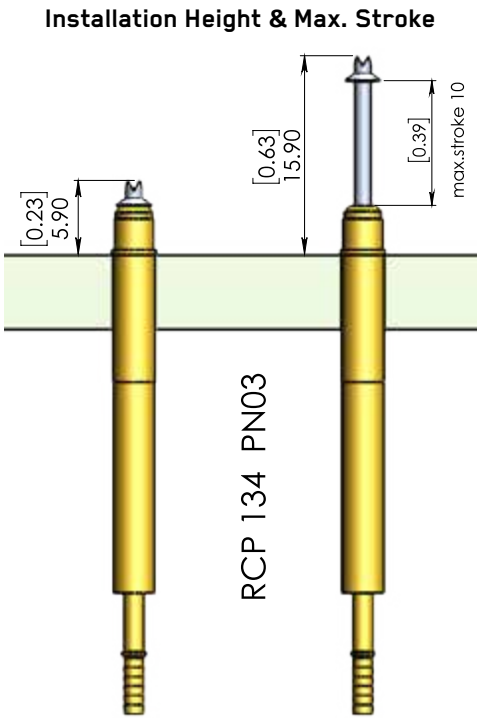
PN1402 R 1CA 5 3 M
a b c d e f g

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 Styles	Plunger Material	Tip Diameter Code	Plunger Plating	Tip Diameter	
				mm	[inches]
	1CA	5	3	R	1.30 0.051
	TA	5	3	R	3.00 0.118
	1UB	5	3	R	2.00 0.078

Tip Diameter Code changes according to the Tip Style.



Socket / Receptacle Ordering Code Example

RCP134 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.

RCP134 PN03

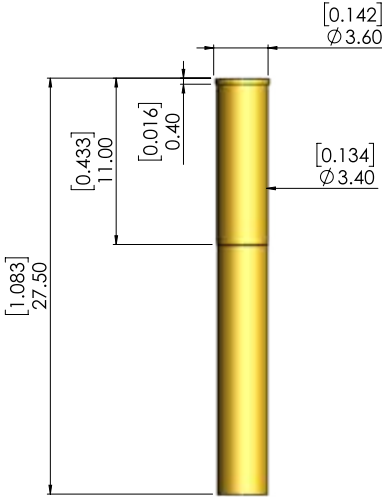
Installation Height

• Fixed: 5.90 mm [0.232]

• Variable: not variable

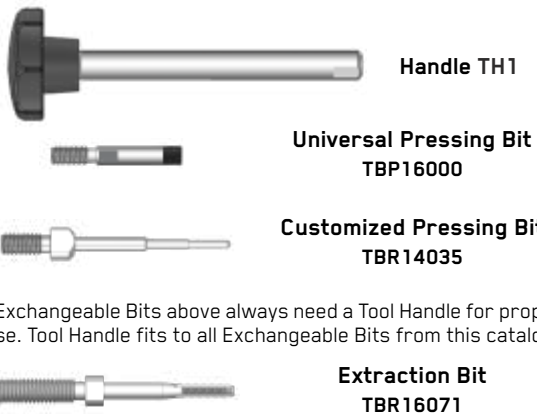
Material: Brass

Plating: Hard Gold



Note: The sockets / Receptacles RCP134 and PA1040 can be used from Grid 4.00 mm (160 Mil) up.

Tool for RCP134 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 Plating

Code Material
No letter Hard Gold

BP1000

BATTERY PROBES

TIP STYLES

BP1000

Technical Specifications

Recommended Working Stroke: 1.27 mm [0.050]
Full Stroke: 1.27 mm [0.050]
Max. Current: 5 A (continuous)
Average Resistance: < 185 mΩ
Operating Temperature: - 10 °C up to + 80 °C
[- 14 °F up to + 176 °F]

Barrel Material:
Beryllium Copper / Nickel Silver
Barrel Plating: -
Spring Material: Spring Steel Silver Plated
Mounting Hole Size:
Socket / Receptacle Diameter + 0.01 - 0.03 mm
[0.394 - 1.181 mil] drill bits are recommended.^A

Plunger Material	
Code	Material
0	BeCu

Plunger Plating	
Code	Material
No letter	Hard Gold

Spring Force at Working Stroke (2/3)		
Code	Rated force (N)	[oz]
XS	0.60	2.5
M	1.25	4.5
N	1.85	6.7

Recommended Socket / Receptacle Series for Battery Test Probes BP1000 is RCP65U. See Page 164 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 BP1000 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	TBP10036	TBP11870

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

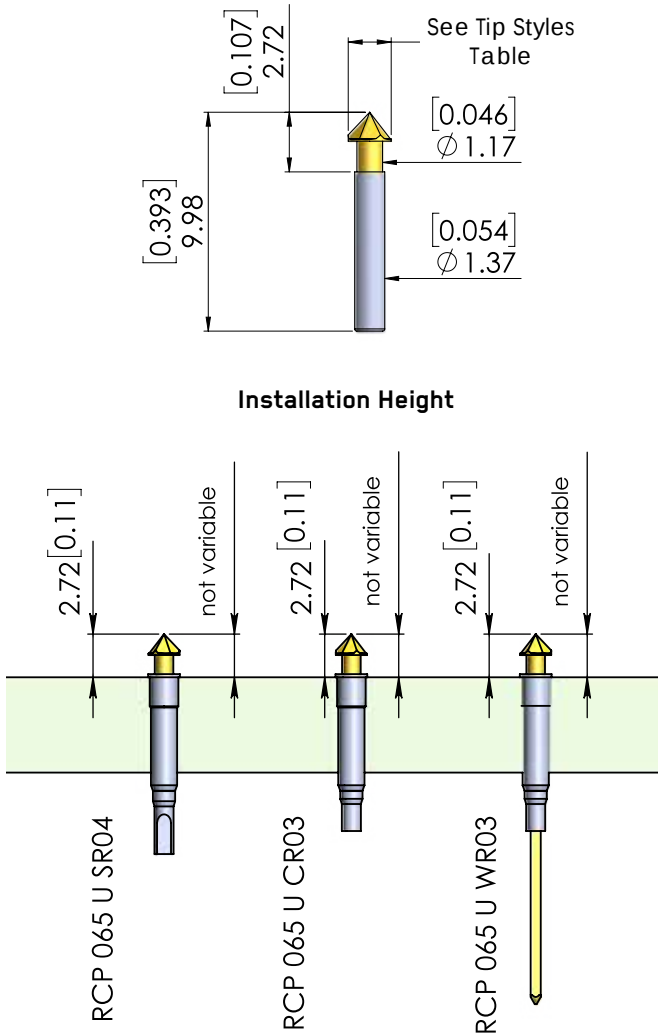
BP1000 EJ 03 XS

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.

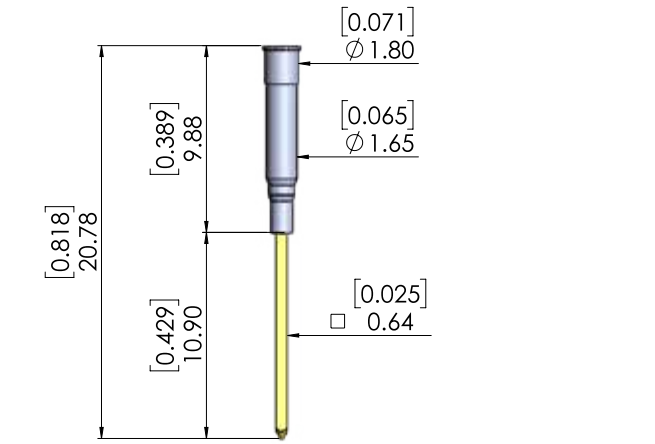
Battery Probes are designed and used for charging batteries or connecting different equipment with each other. Typical usages are docking stations and portable devices of Telecom, Medical, Navigation and Communication Equipment.
Note: Custom-built requirements can be offered on demand.



Tip Styles	Plunger Material	Tip Diameter Code	Tip Diameter	
			mm	[inches]
	EJ	0	3	1.96 0.077
	EM	0	3	1.57 0.062
		0	4	1.96 0.077
	EP	0	3	3.30 0.130
		0	4	2.49 0.098
	EQ	0	3	3.96 0.156
	RA	0	5	1.17 0.046
		0	6	1.96 0.077
	TD	0	3	1.96 0.077

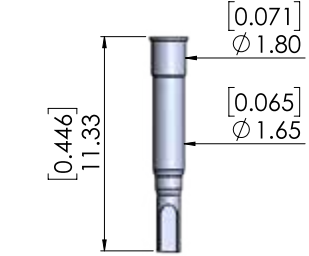
Tip Diameter Code changes according to the Tip Style.

RCP065U WR03
Installation Height
• Fixed: 2.72 mm [0.107]
• Variable: not variable
Material: Nickel Silver
Plating: No Plating
WW Post: Brass - Gold Plated

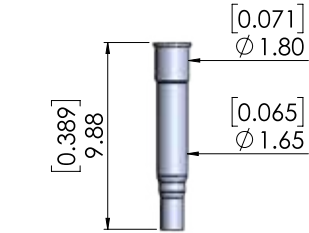


Socket / Receptacle Ordering Code Example		Socket / Receptacle	
RCP065U SR04		Code	Material
x y z		No letter	Nickel Silver (no plating)
x: Series • y: Socket / Receptacle Plating • z: Option			
By default Socket / Receptacle is Hard Gold plated and it is not marked in the PO Code. Fill position y: only if different.			

RCP065U SR03
Installation Height
• Fixed: 2.72 mm [0.107]
• Variable: not variable
Material: Nickel Silver
Plating: No Plating



RCP065U CR03
Installation Height
• Fixed: 2.72 mm [0.107]
• Variable: not variable
Material: Nickel Silver
Plating: No Plating



Tool for RCP65U Sockets / Receptacles Contains: Tool Handle + Exchangeable Bit(s) - has to be chosen*

Handle TH1

Universal Pressing Bit TBP10000

Customized Pressing Bit TBR10035

Extraction Bit TBR11870

*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)

BP1002

BATTERY PROBES

Sockets / Receptacles

RCP066

Technical Specifications

Recommended Working Stroke: 1.00 mm [0.039]**Full Stroke:** 1.60 mm [0.063]**Max. Current:** 3 A (continuous)**Average Resistance:** < 30 mΩ**Operating Temperature:** - 10 °C up to + 80 °C
[- 14 °F up to + 176 °F]**Barrel Material:**

Phosphor Bronze

Spring Material: Spring Steel Gold Plated**Mounting Hole Size:**

Probe diameter Diameter + 0.01 - 0.03 mm

[0.394 - 1.181 mil] drill bits are recommended.^A

Battery Probes are designed and used for charging batteries or connecting different equipment with each other. Typical usages are docking stations and portable devices of Telecom, Medical, Navigation and Communication Equipment.

Note: Custom-built requirements can be offered on demand.

Application:

Charging Units

PCB-to-PCB Contacting

Docking Stations

Tip Styles		Plunger Material	Tip Diameter Code	Tip Diameter	
				mm	[inches]
	CC	0	3 *	0.80	0.031
	CG	0	4	1.91	0.075
	RA	0	3 *	0.80	0.031
		0	4	1.03	0.041
	TA	0	6	1.99	0.078
		0	3	1.96	0.077
	UE	0	4	1.50	0.059
		0	5	1.80	0.071

≡ Tip Diameter Code changes according to the Tip Style.

*Battery probes with these Tip Styles are longer 10.40 mm [0.409]

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

Tool for BP1002 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	TBP10036	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

BP1002 RA03N

a b c d e f g

BP1002 CG04N

a b c d e f g

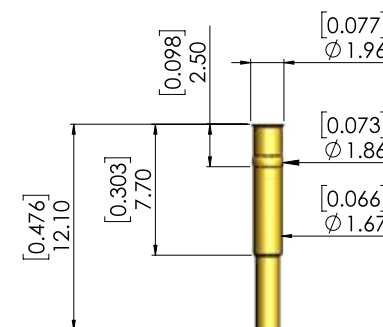
a: Series • b: Plunger Plating • c: Tip Style • d: Plunger Material • e: Tip Diameter Code • f: Spring Force Code • g: Special Tip Diameter [mm x 100]

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

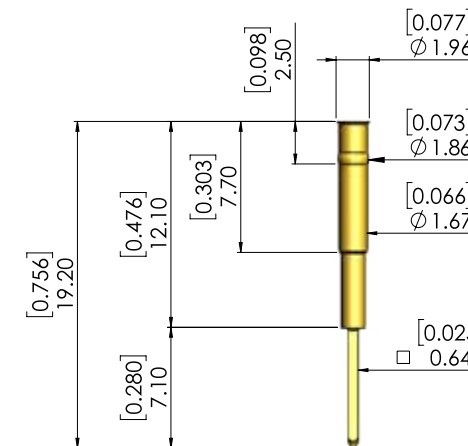
RCP066 CRF13

Installation Height

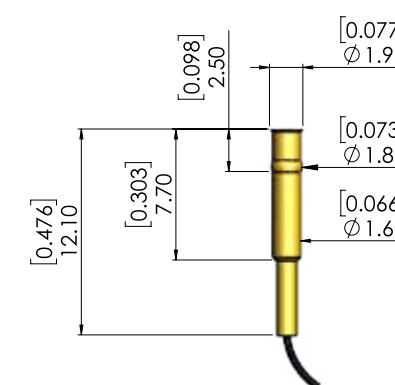
- Fixed: 5.20 mm [0.204] or 4.80 mm [0.189]
- Variable: not variable

Material: Phosphor Bronze**Plating:** Hard Gold**WW Post:** Brass - Gold Plated

RCP066 WRF38



RCP066 VRF39



Wire Length : 700 mm [approx 27.0]

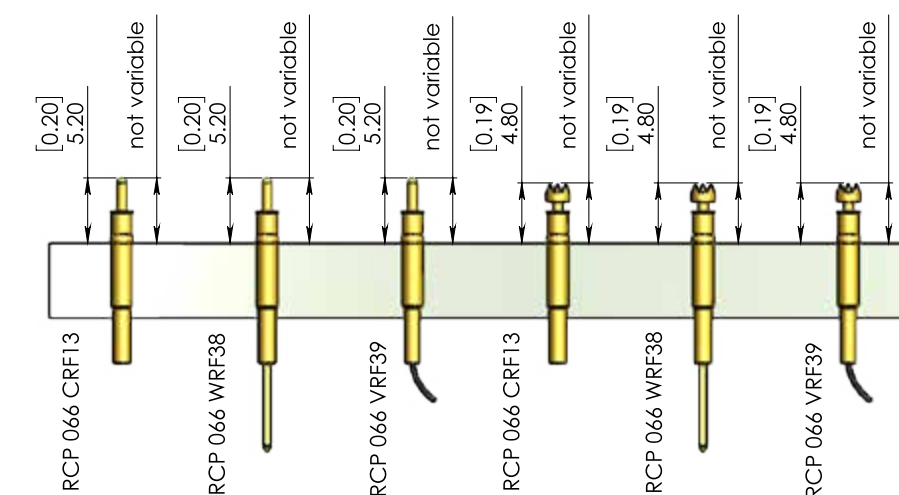
Design	Code	Description
	WR	Wire-Wrap Square Post ☐
	CR	Crimp
	VRF	Pre-wired / top flanged ☐

Spring Force at Working Stroke (2/3)		
Code	Rated force	
	(N)	[oz]
S	1.08	3.9
N	1.98	7.1

Plunger Material	
Code	Material
0	BeCu

Plunger Plating	
Code	Material
No letter	Hard Gold

Installation Height



Tool for RCP066 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	TBP10000	TBR10035	TBR10070

*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 N CRF13

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

BP1003

BATTERY PROBES

BATTERY PROBES

BP1004

Technical Specifications

Recommended Working Stroke: 0.70 mm [0.028]
Full Stroke: 1.40 mm [0.055]
Max. Current: 3.5 A (continuous)
Average Resistance: < 20 mΩ
Operating Temperature: - 10 °C up to + 80 °C
[- 14 °F up to + 176 °F]

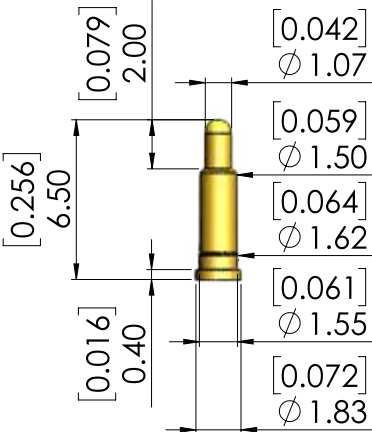
Barrel Material:
Brass - Gold Plated
Spring Material: Spring Steel Gold Plated
Mounting Hole Size:
Probe Diameter + 0.01 - 0.03 mm
[0.394 - 1.181 mil] drill bits are recommended.^A

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

Plunger Material	
Code	Material
8	Brass

Plunger Plating	
Code	Material
No letter	Hard Gold

Battery Probes are designed and used for charging batteries or connecting different equipment with each other. Typical usages are docking stations and portable devices of Telecom, Medical, Navigation and Communication Equipment.
Note: Custom-built requirements can be offered on demand.
Installation: Probe without Socket / Receptacle. Direct Placement. Solder into PCB or other materials.



Tip Styles	Plunger Material	Tip Diameter Code	Tip Diameter	
			mm	[inches]
	RA	8	3	1.07 0.042

Tip Diameter Code changes according to the Tip Style.

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

Tool for BP1003 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						
BP1003	RA	8	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.

Technical Specifications

Full Stroke: 1.00 mm [0.055]
Max. Current: 1.5 A (continuous)
Average Resistance: < 10 mΩ
Operating Temperature: - 10 °C up to + 80 °C
[- 14 °F up to + 176 °F]
Barrel Material:
Brass - Gold Plated
Spring Material: Stainless Steel
Mounting Hole Size:
Probe 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

Plunger Material	
Code	Material
8	Brass

Plunger Plating	
Code	Material
No letter	Hard Gold

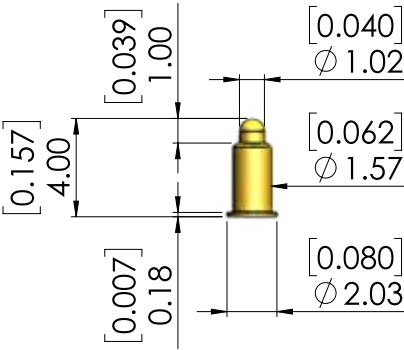
^A Varies from used drilling technologies and raw materials. For more Technical information consult with us at: info@equip-test.com

Tool for BP1004 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						
BP1004	RA	8	3	S		
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.



Tip Styles	Plunger Material	Tip Diameter Code	Tip Diameter	
			mm	[inches]
	RA	8	3	1.02 0.040

Tip Diameter Code changes according to the Tip Style.

BP1200

BATTERY PROBES

TIP STYLES

BP1200

Technical Specifications

Recommended Working Stroke: 1.00 mm [0.039]
Full Stroke: 1.20 mm [0.047]
Max. Current: 5 - 8 A (continuous)
Average Resistance: < 10 mΩ
Operating Temperature: - 10 °C up to + 80 °C
[- 14 °F up to + 176 °F]

Barrel Material:
Brass - Gold Plated
Spring Material: Spring Steel Gold Plated

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]
US	0.60	2.2
XS	1.00	3.6
L	2.00	7.2

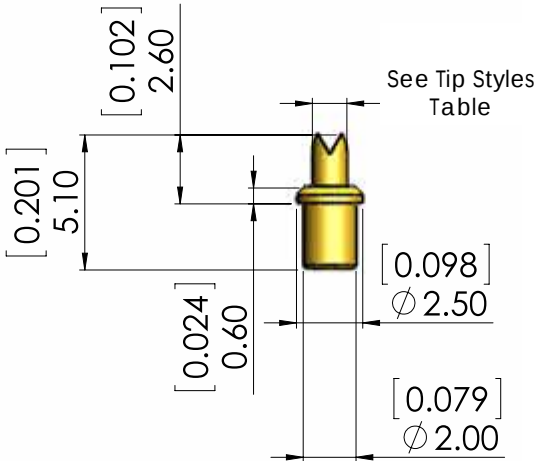
Plunger Material	
Code	Material
0	BeCu

Plunger Plating	
Code	Material
No letter	Hard Gold

Battery Probes are designed and used for charging batteries or connecting different equipment with each other. Typical usages are docking stations and portable devices of Telecom, Medical, Navigation and Communication Equipment.

Note: Custom-built requirements can be offered on demand.

- Application:
- Charging Units
 - PCB-to-PCB Contacting
 - Docking Stations



Recommended Socket / Receptacle Series for Battery Test Probes BP1200 is RCP091. See Page 170 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 BP1200 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	TBP11835	TBP11870

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

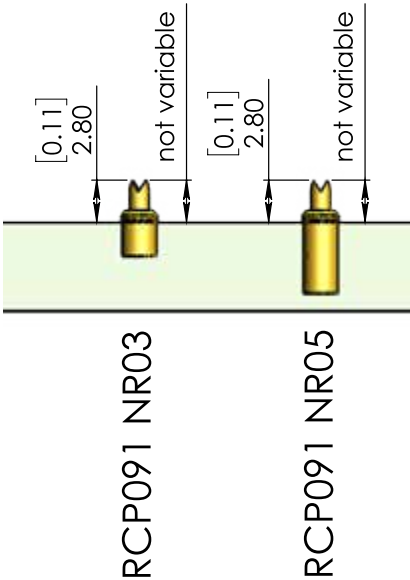
≡ Test Probes Ordering Code Example						
BP1200	CA	03	US			
a	b	c	d e	f	g	

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.

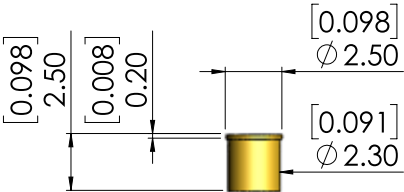
Tip Styles	Plunger Material	Tip Diameter Code	Tip Diameter	
			mm	[inches]
	CA	0	3	1.30 0.051
	LB	0	3	1.30 0.051
	RA	0	3	1.00 0.039
		0	4	1.30 0.051

Installation Height



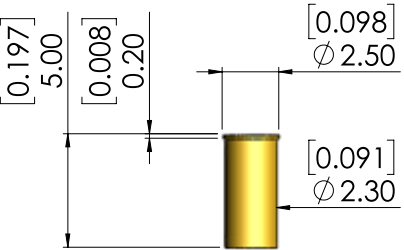
RCP091 NR03

Installation Height
• Fixed: 2.80 mm [0.291]
Variable: not variable
Material: Brass
Plating: Hard Gold

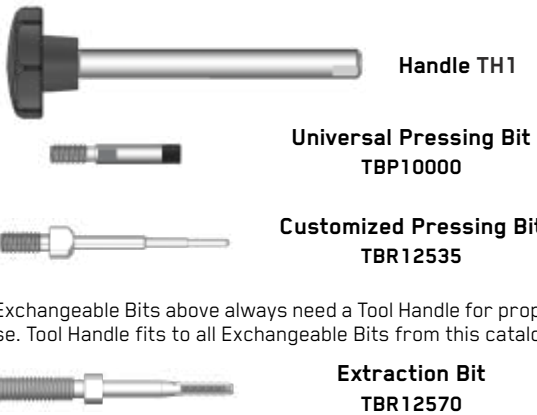


RCP091 NR05

Installation Height
• Fixed: 2.80 mm [0.291]
Variable: not variable
Material: Brass
Plating: Hard Gold



Tool for RCP091 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	
RCP091	NR03	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.

BP1203

BATTERY PROBES

BATTERY PROBES

BP1203

Technical Specifications

Recommended Working Stroke: 3.30 mm [0.130]

Full Stroke: 4 mm [0.157]

Max. Current: 5 - 8 A (continuous)

Average Resistance: < 20 mΩ

Operating Temperature: - 10 °C up to + 80 °C
[- 14 °F up to + 176 °F]

Barrel Material:

Brass - Gold Plated

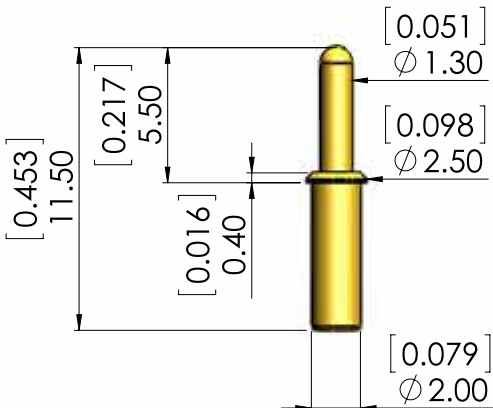
Spring Material: Spring Steel Gold Plated

Mounting Hole Size:

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

Battery Probes are designed and used for charging batteries or connecting different equipment with each other. Typical usages are docking stations and portable devices of Telecom, Medical, Navigation and Communication Equipment.

Note: Custom-built requirements can be offered on demand.



Recommended Socket / Receptacle Series for
Battery Test Probes BP1200 is RCP091.
See Page 172 for detailed information.

Spring Force at Working Stroke (2/3)		
Code	Rated force	
	(N)	[oz]
US	0.50	1.8
L	2.00	7.2

Plunger Material	
Code	Material
0	BeCu

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 BP1203 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	TBP11835	TBP11870

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

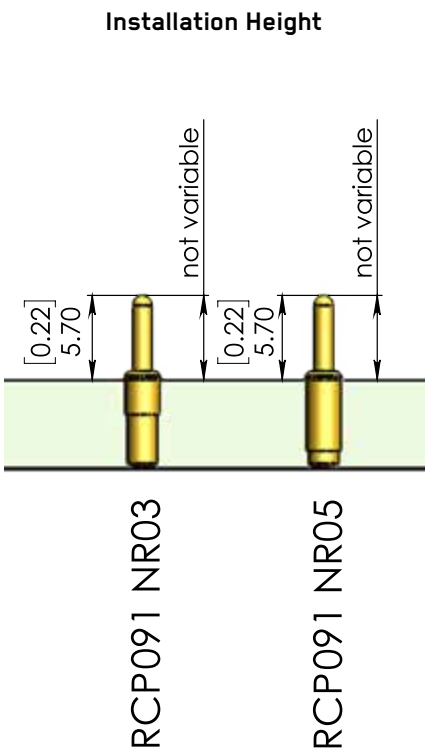
Test Probes Ordering Code Example						
BP1203	3RA	0	3	N		
a	b	c	d	e	f	g

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 Styles	Plunger Material	Tip Diameter Code	Tip Diameter	
			mm	[inches]
	3RA	0	3	1.30 0.091

Tip Diameter Code changes according to the Tip Style.



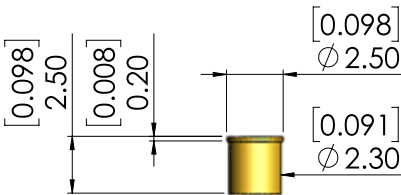
RCP091 NR03

Installation Height

• Fixed: 5.70 mm [0.224]
Variable: not variable

Material: Brass

Plating: Hard Gold



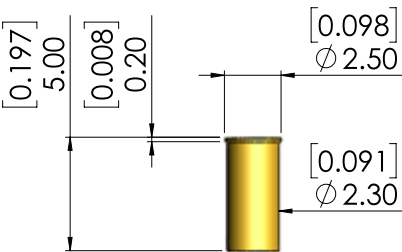
RCP091 NR05

Installation Height

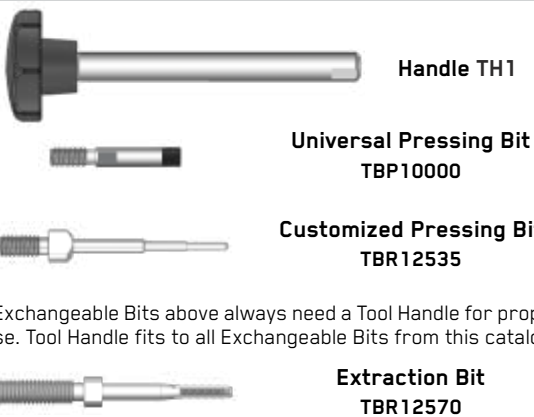
• Fixed: 0.224 mm [0.291]
Variable: not variable

Material: Brass

Plating: Hard Gold



Tool for RCP091 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	
RCP091	NR05		Code	Material
			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.

BP1601

BATTERY PROBES

TIP STYLES

BP1601

Technical Specifications

Recommended Working Stroke: 2.80 mm [0.028]

Full Stroke: 3.50 mm [0.055]

Max. Current: 10 A (continuous)

Average Resistance: < 10 mΩ

Operating Temperature: - 10 °C up to + 80 °C
[- 14 °F up to + 176 °F]

Barrel Material:

Brass - Gold Plated

Spring Material: Spring Steel Gold Plated

Mounting Hole Size:

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

Battery Probes are designed and used for charging batteries or connecting different equipment with each other. Typical usages are docking stations and portable devices of Telecom, Medical, Navigation and Communication Equipment.

Note: Custom-built requirements can be offered on demand.

Application:

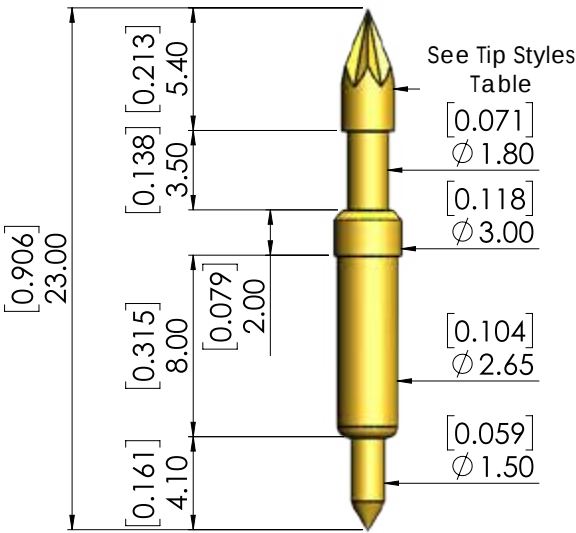
- Charging Units
- PCB-to-PCB Contacting
- Docking Stations

Installation: Probe without Socket / Receptacle. Direct Placement. Solder into PCB or other materials.

Spring Force at Working Stroke (2/3)		
Code	Rated force	
	(N)	[oz]
XS	0.80	2.9
S	1.20	4.3
M	1.50	5.4
N	2.50	9.0
XL	3.50	12.6

Plunger Material	
Code	Material
0	BeCu

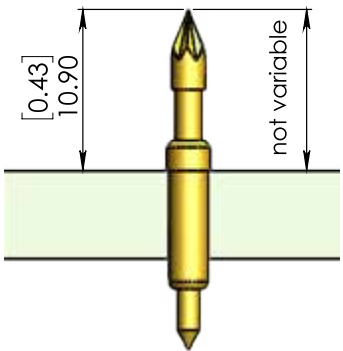
Plunger Plating	
Code	Material
No letter	Hard Gold



Tip Styles		Plunger Material	Tip Diameter Code	Plunger Plating	Tip Diameter	
					mm	[inches]
	CG	0	4	-	2.30	0.091
		0	5	-	3.50	0.138
	FA	0	3	-	2.30	0.091
	3HK	0	3	-	2.30	0.091
	RA	0	3		2.30	0.091
	UE	0	3	-	2.30	0.091

Tip Diameter Code changes according to the Tip Style.

Installation Height



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

Tool for BP1601 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	TBP16000	-	TBP16070

*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

BP1601 3HK 0 3 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.

BP1602

BATTERY PROBES

TIP STYLES

BP1602

Technical Specifications

Recommended Working Stroke: 2.80 mm [0.110]
Full Stroke: 3.50 mm [0.138]
Max. Current: 10 A (continuous)
Average Resistance: < 10 mΩ
Operating Temperature: - 10 °C up to + 80 °C
[- 14 °F up to + 176 °F]

Barrel Material:
Brass - Gold Plated
Spring Material: Spring Steel Gold Plated
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]
XS	0.80	2.9
S	1.20	4.3
M	1.50	5.4
N	2.50	9.0
XL	3.50	12.6

Plunger Material	
Code	Material
0	BeCu

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

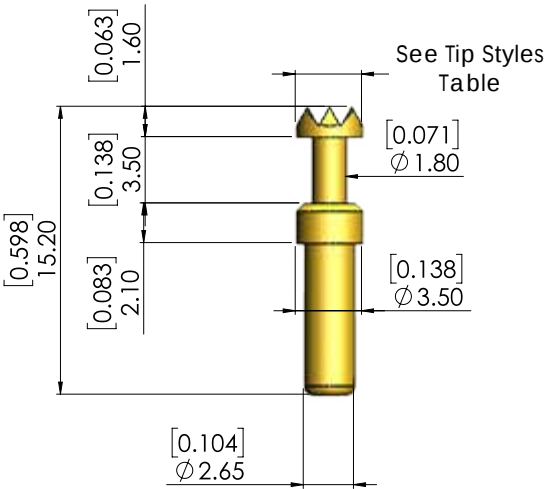
Tool for BP1602 Series Test Probes Contains: Tool Handle + Exchangeable Bit(s) - has to be chosen*			
Tool Handle w. shaft	Insertion Bits	Insertion & Extraction Bit	
	Universal	Tip Diameter not Wider than Probe Plunger	Tip Diameter Wider than Probe Plunger
		-	
TH1	TBP16000	-	TBP16070

*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						
BP1602	CG	0	4	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.

Battery Probes are designed and used for charging batteries or connecting different equipment with each other. Typical usages are docking stations and portable devices of Telecom, Medical, Navigation and Communication Equipment.
Note: Custom-built requirements can be offered on demand.



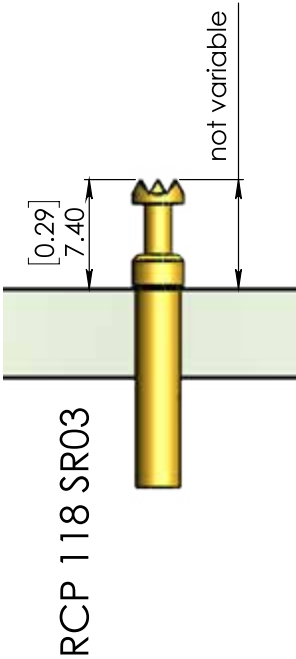
Type BP1602 with Closed Barrel.
Solderable into PCB.

Recommended Socket / Receptacle Series for Battery Test Probes BP1602 is RCP118.
See Page 176 for detailed information.

Tip Styles	Plunger Material	Tip Diameter Code	Tip Diameter	
			mm	[inches]
	CG	0	4	2.30 0.091
		0	5	3.50 0.138
	FA	0	3	2.30 0.091
	3HK	0	3	2.30 0.091
	RA	0	2	2.03 0.080
		0	3	2.30 0.091
	UE	0	3	2.30 0.091

≡ Tip Diameter Code changes according to the Tip Style.

Installation Height



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

Handle TH1

Universal Pressing Bit TBP16000

Customized Pressing Bit TBR16035

Extraction Bit TBR16070

*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	
RCP118	SR03		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.

RCP118 SR03

Installation Height

- Fixed: 7.40 mm [0.291]
- Variable: not variable

Material: Brass

Plating: Hard Gold

BP1604

BATTERY PROBES

TIP STYLES

BP1604

Technical Specifications

Recommended Working Stroke: 2.80 mm [0.110]

Full Stroke: 3.50 mm [0.138]

Max. Current: 10 A (continuous)

Average Resistance: < 10 mΩ

Operating Temperature: - 10 °C up to + 80 °C
[- 14 °F up to + 176 °F]

Barrel Material:

Brass - Gold Plated

Spring Material: Spring Steel Gold Plated

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]
XS	0.80	2.9
S	1.20	4.3
M	1.50	5.4
N	2.50	9.0
XL	3.50	12.6

Plunger Material	
Code	Material
0	BeCu

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 BP1604 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	TBP16000	-	TBP16070

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

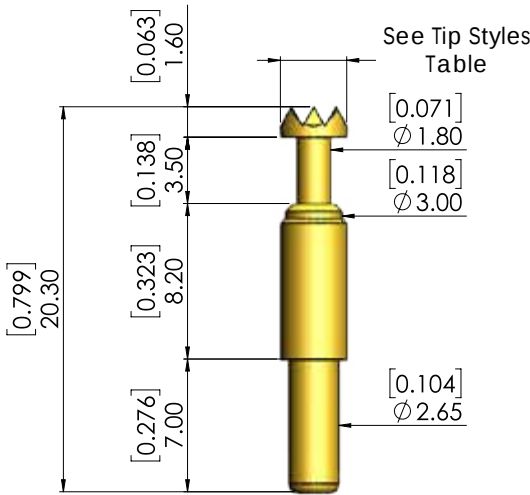
Test Probes Ordering Code Example						
BP1604	CG	04	M			
a	b	c	d	e	f	g

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.

Battery Probes are designed and used for charging batteries or connecting different equipment with each other. Typical usages are docking stations and portable devices of Telecom, Medical, Navigation and Communication Equipment.

Note: Custom-built requirements can be offered on demand.



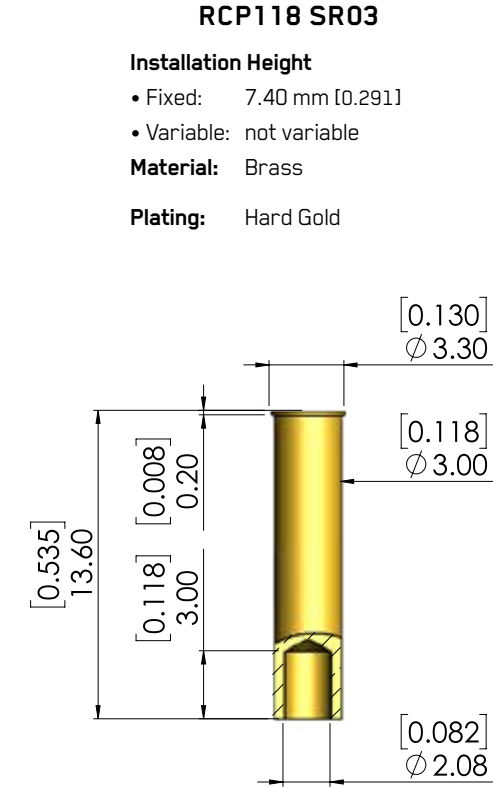
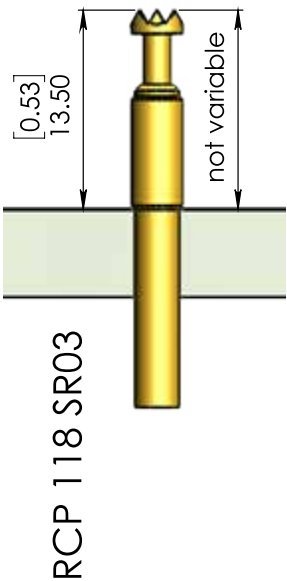
Type BP1604 with Closed Barrel.
Solderable into PCB.

Recommended Socket / Receptacle Series for
Battery Test Probes BP1604 is RCP118.
See Page 178 for detailed information.

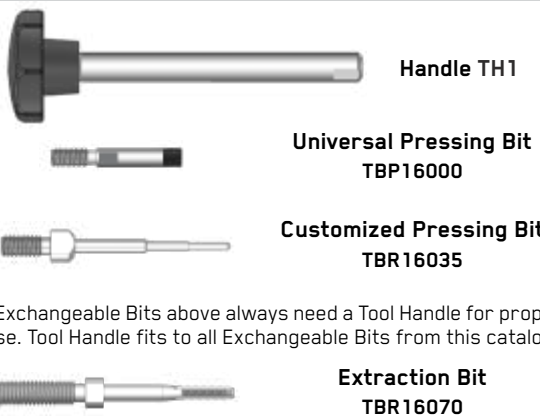
Tip Styles	Plunger Material	Tip Diameter Code	Tip Diameter	
			mm	[inches]
	CG	0	3	2.30
		0	4	3.50
	FA	0	3	2.30
	3HK	0	3	2.30
	RA	0	3	2.30
	3RA	0	3	2.30
	UE	0	3	2.30

Tip Diameter Code changes according to the Tip Style.

Installation Height



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	
RCP118	SR03		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.

BP2601

BATTERY PROBES

TIP STYLES

BP2601

Technical Specifications

Recommended Working Stroke: 3.20 mm [0.126]
Full Stroke: 4.00 mm [0.157]
Max. Current: 5 - 8 A (continuous)
Average Resistance: < 30 mΩ
Operating Temperature: - 10 °C up to + 80 °C
[- 14 °F up to + 176 °F]

Barrel Material:
Brass - Gold Plated
Spring Material: Spring Steel Gold Plated
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]
XS	0.60	2.2
S	1.50	5.4
M	3.00	10.8
N	4.00	14.4
XL	8.00	28.8

Plunger Material	
Code	Material
0	BeCu

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

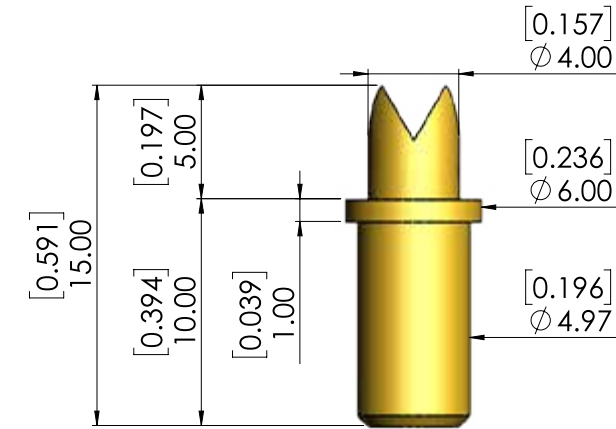
Tool for BP2601 Series Test Probes Contains: Tool Handle + Exchangeable Bit(s) - has to be chosen*			
Tool Handle w. shaft	Insertion Bits		Insertion & Extraction Bit
	Universal	Tip Diameter not Wider than Probe Plunger	Tip Diameter Wider than Probe Plunger
TH1	TBP30000	TBP25635	-

*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						
BP2601	CA	5	3	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.

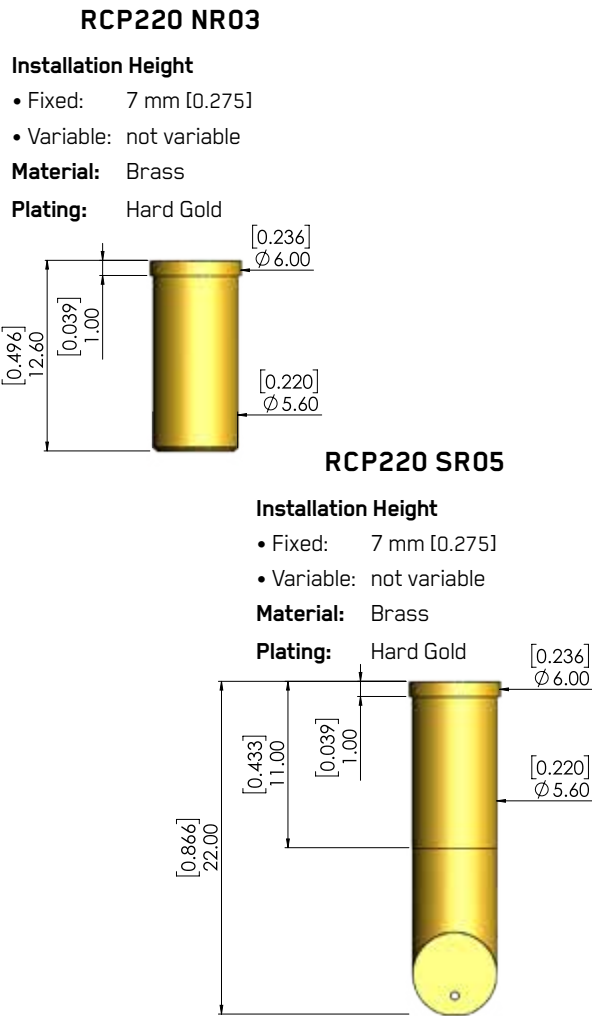
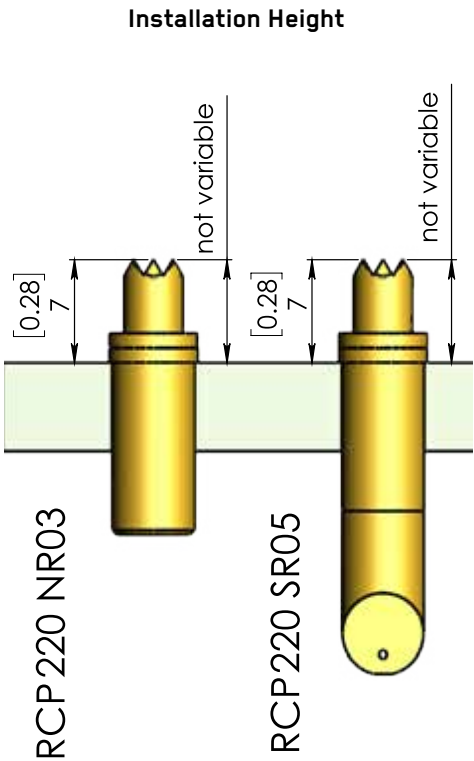
Battery Probes are designed and used for charging batteries or connecting different equipment with each other. Typical usages are docking stations and portable devices of Telecom, Medical, Navigation and Communication Equipment.
Note: Custom-built requirements can be offered on demand.



Recommended Socket / Receptacle Series for Battery Test Probes BP2601 is RCP220.
See Page 180 for detailed information.

Tip Styles	Plunger Material	Tip Diameter Code	Plunger Plating	Tip Diameter	
				mm	[inches]
CA	5	3	-	4.00	0.157
CG	5	3	-	4.00	0.157
RA	8	3	-	4.00	0.157
RC	8	3	N	4.00	0.157
RD	8	3	-	4.00	0.157

Tip Diameter Code changes according to the Tip Style.



Tool for RCP220 Sockets / Receptacles Contains: Tool Handle + Exchangeable Bit(s) - has to be chosen*

Handle TH1

Universal Pressing Bit TBP30000

Customized Pressing Bit TBR25636

Extraction Bit TBR25671

*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	
x	y	z	Code	Material
RCP220	SR05		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.

KP2560

KELVIN TEST PROBES

TIP STYLES

KP2560

Technical Specifications

Mechanical Data - Spring-Loaded Inner Plunger

- Recommended Working Stroke: 3.0 mm [0.118]
- Full Stroke: 3.50 mm [0.138]

Mechanical Data - Outside Grounding

- Recommended Working Stroke: 2 mm [0.079]
- Full Stroke: 2.50 mm [0.098]

Total Spring Force

- Total Spring Force by Working Stroke
6.5 N - 23.4 [oz]

Average Resistance: max. 10 mΩ

Barrel Material:

Phosphor Bronze / Beryllium Copper

Spring Material: Spring Steel Plated

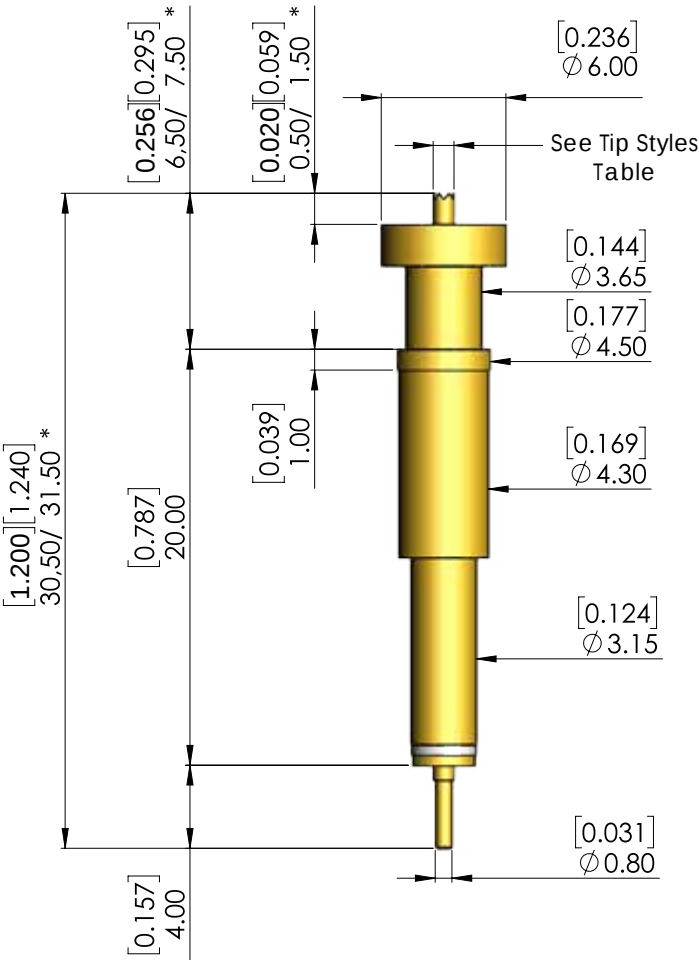
Operating Temperature:

- 40 °C up to + 120 °C
[- 40 °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

Kelvin Test Probes have 2 independent Plungers, and are primarily used for 4-wire resistance measurement.



Inner Plunger Spring Force at Working Stroke		
Code	Rated force	
	(N)	[oz]
M	1.50	5.4

Outside Grounding Spring Force at Working Stroke		
Code	Rated force	
	(N)	[oz]
M	5.00	18.0

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

Recommended Socket / Receptacle Series for Kelvin Test Probes KP2560 is RCP185. See Page 182 for detailed information.

Tool for KP2560 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	TBP30000	-	TBP25670

*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

KP2560 G4 M A M
a b c d e

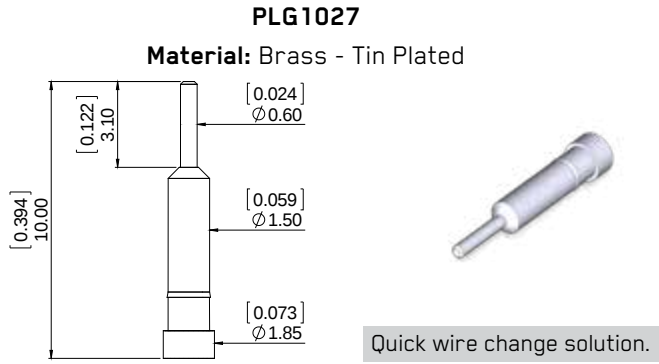
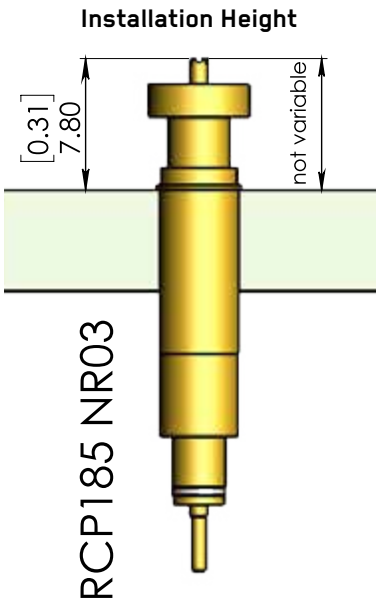
a: Series b: Inner Plunger Tip Style c: Inner Plunger Spring Force d: Outer Plunger Tip Style e: Outer Plunger Spring Force

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

Inner Plunger Tip Style		Plunger Material	Tip Diameter x Tip Lenght	
			mm	[inches]
	U2	5	1.00 x 0.50	0.039 x 0.019
	G4	5	1.00 x 1.50	0.039 x 0.059

Outer Plunger Tip Style		Plunger Material	Plunger Diameter	
			mm	[inches]
	A	0	6.00	0.236

Tip Diameter Code changes according to the Tip Style.



Socket / Receptacle Ordering Code Example

RCP185 NR03
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.

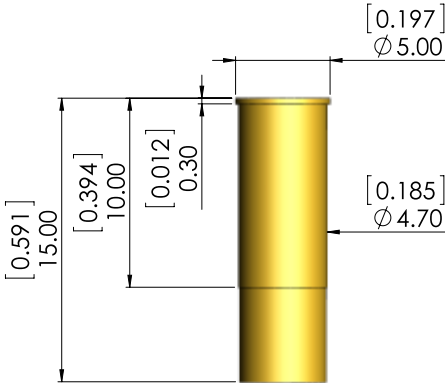
RCP185 NR03

Installation Height

- Fixed: 7.80 mm [0.307]
- Variable: not variable

Material: Brass

Plating: Hard Gold



Tool for RCP185 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 Plating

Code	Material
No letter	Hard Gold

KPT2560

KELVIN TEST PROBES

TIP STYLES

KPT2560

Technical Specifications

Mechanical Data - Spring-Loaded Inner Plunger

- Recommended Working Stroke: 3.0 mm [0.118]
- Full Stroke: 3.50 mm [0.138]

Mechanical Data - Outside Grounding

- Recommended Working Stroke: 2 mm [0.079]
- Full Stroke: 2.50 mm [0.098]

Total Spring Force

- Total Spring Force by Working Stroke
6.5 N - 23.4 [oz]

Average Resistance: max. 10 mΩ

Barrel Material:

Phosphor Bronze / Beryllium Copper

Spring Material: Spring Steel Plated

Operating Temperature: - 40 °C up to + 120 °C
[- 40 °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

Inner Plunger Spring Force at Working Stroke		
Code	Rated force	
	(N)	[oz]
M	1.50	5.4

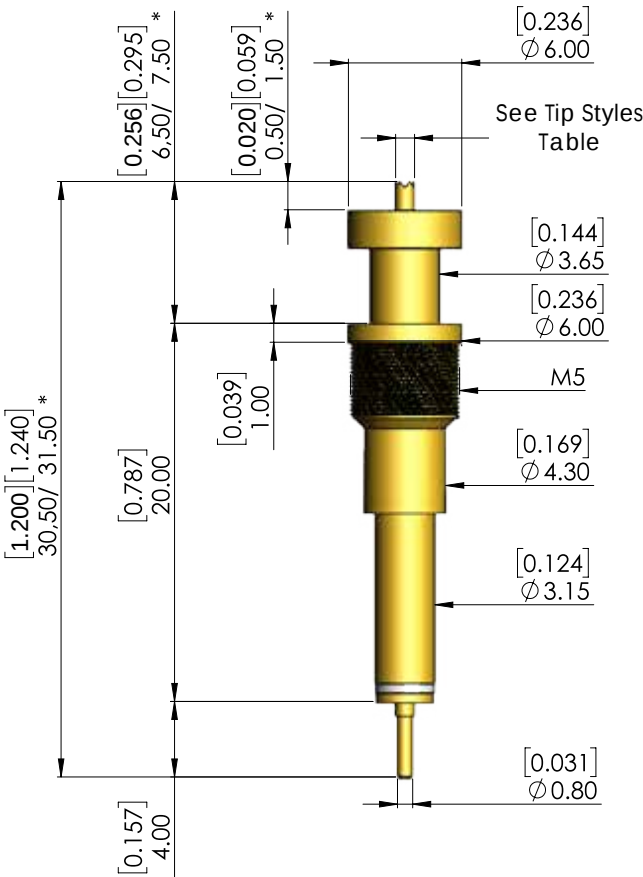
Outside Grounding Spring Force at Working Stroke		
Code	Rated force	
	(N)	[oz]
M	5.00	18.0

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

Kelvin Test Probes have 2 independent Plungers, and are primarily used for 4-wire resistance measurement.



Recommended Socket / Receptacle Series for Kelvin Test Probes KPT2560 is RCT217. See Page 184 for detailed information.

Tool for KPT2560 Series Test Probes	
Tool Handle w. shaft	Insertion & Extraction Bit
	
TH3	TBT25670

*Exchangeable Bits above always need a TH3 Tool Handle for proper use. Tool Handle fits to all Exchangeable Bits from this catalog.

Test Probes Ordering Code Example

KPT2560 G4 M A M

a b c d e

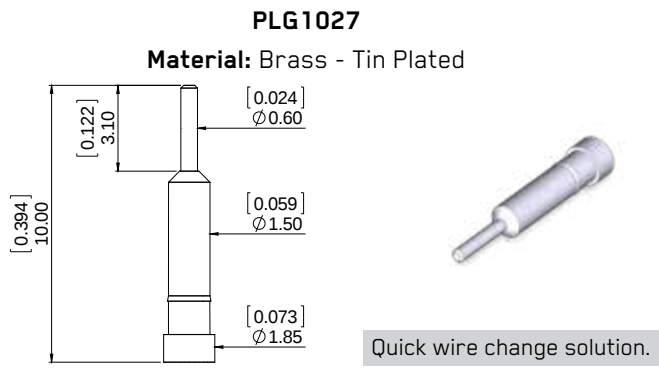
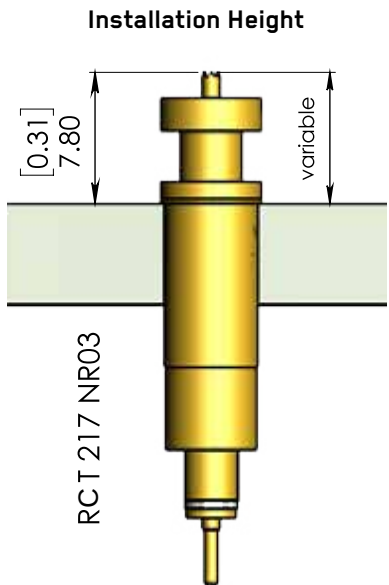
a: Series b: Inner Plunger Tip Style c: Inner Plunger Spring Force d: Outer Plunger Tip Style e: Outer Plunger Spring Force

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

Inner Plunger Tip Style	Plunger Material	Tip Diameter x Tip Length	
		mm	[inches]
	U2	5	1.00 x 0.50 0.039 x 0.019
	G4	5	1.00 x 1.50 0.039 x 0.059

Outer Plunger Tip Style	Plunger Material	Plunger Diameter	
		mm	[inches]
	A	0	6.00 0.236

Tip Diameter Code changes according to the Tip Style.



Socket / Receptacle Ordering Code Example

RCT217 NR03

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.

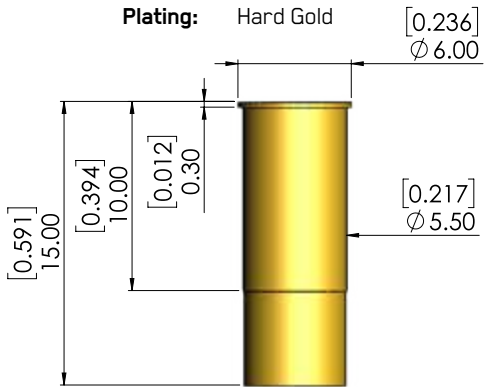
RCT217 NR03

Installation Height

- Fixed: 7.80 mm [0.307]
- Variable: variable

Material: Brass

Plating: Hard Gold



Tool for RCP217 Sockets / Receptacles Contains: Tool Handle + Exchangeable Bit(s) - has to be chosen*



Handle TH1



Universal Pressing Bit TBP30000



Customized Pressing Bit TBR25637

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



Extraction Bit TBR25671

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

Socket / Receptacle Plating

Code	Material
No letter	Hard Gold

RF4004 & RFT4004

RF TEST PROBES

Technical Specifications

Mechanical Data - Spring-Loaded Inner Plunger

- Recommended Working Stroke: 1.00 mm [0.039]
- Full Stroke: 1.50 mm [0.059]

Mechanical Data - Outside Grounding

- Recommended Working Stroke: 4.00 mm [0.157]
- Full Stroke: 5.00 mm [0.197]

Total Spring Force

- Total Spring Force by Working Stroke
5.60/ 7.60/ 9.60 N - 20.1/ 27.3/ 34.5 [oz]

Electrical Data

- Nominal Impedance: 50 Ω
- Frequency Range: Up to 4 GHz

Materials

- Barrel: Brass
- Inner Plunger Tips: Beryllium Copper / Hard Gold plated

Cable Data

- Connection Test Probe: MCX

Inner Plunger Spring Force at Working Stroke			Outside Grounding Spring Force at Working Stroke		
Code	Rated force		Code	Rated force	
	(N)	[oz]		(N)	[oz]
S	0.80	2.9	S	4.00	14.4
			M	6.00	21.6
			L	8.00	28.8

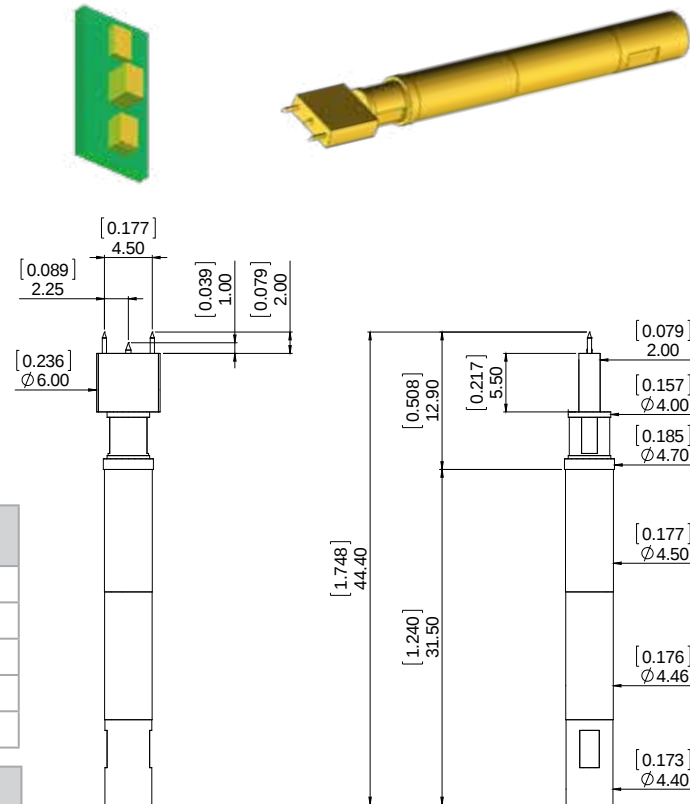
Test Probes Ordering Code Example

RF4004 A 2 S G6 S

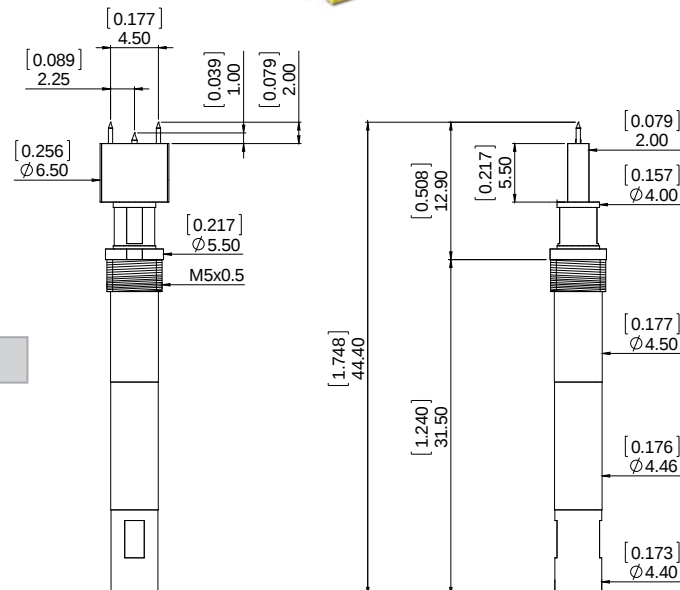
a b c d e f

a: Series b: Inner Plunger Tip Style c: Tip Diameter
d: Inner Plunger Spring Force e: Outside Grounding Design & Diameter f: Outer Plunger Spring Force

RF4004 Series of Radio-frequency Probes are designed for PCB connection up to 4 GHz at 50 Ω impedance. They ensure effective transfer of High-frequency Signals.



Threaded RF Test Probe for PCB Contacting



Receptacles RRF1 and RRFT1 are used for Radio-Frequency Probes RF4004 and RFT4004. See Page 196 for detailed information.

Threaded Test Probes Ordering Code Example

RFT4004 A 2 S G6 S

a b c d e f

a: Series b: Inner Plunger Tip Style c: Tip Diameter
d: Inner Plunger Spring Force e: Outside Grounding Design & Diameter f: Outer Plunger Spring Force

RF TEST PROBES

RF0506 & RFT0506

Technical Specifications

Mechanical Data - Spring-Loaded Inner Plunger

- Recommended Working Stroke: 2.00 mm [0.079]
- Full Stroke: 3.7 mm [0.146]

Mechanical Data - Outside Grounding

- Recommended Working Stroke: 4.00 mm [0.157]
- Full Stroke: 5.00 mm [0.197]

Total Spring Force

- Total Spring Force by Working Stroke
5.30/ 6.00/ 7.30/ 8.00/ 9.30/ 10.00 N
19.1/ 21.6/ 26.3/ 28.8 / 33.5/ 35.9 [oz]

Electrical Data

- Nominal Impedance: 50 Ω
- Frequency Range: Up to 6 GHz

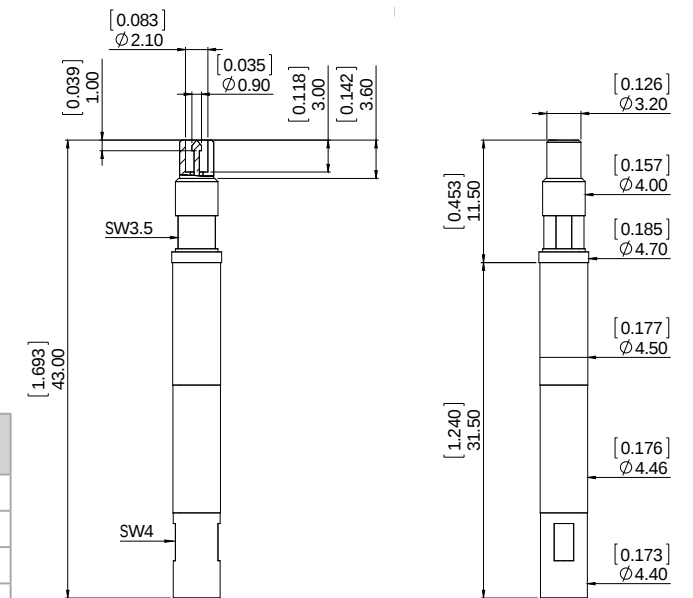
Materials

- Barrel: Brass
- Inner Plunger Tips: Beryllium Copper / Hard Gold plated

Cable Data

- Connection Test Probe: MCX

RF0506 Series of Radio-frequency Probes are designed for MCX Jack-based applications up to 6 GHz at 50 Ω impedance. They ensure effective transfer of High-frequency Signals.



Threaded RF Test Probe for contacting MCX Jack



Inner Plunger Spring Force at Working Stroke			Outside Grounding Spring Force at Working Stroke		
Code	Rated force		Code	Rated force	
	(N)	[oz]		(N)	[oz]
N	1.30	4.7	S	4.00	15.8
X	2.00	7.2	M	6.00	21.6
			L	8.00	28.8

Test Probes Ordering Code Example

RF0506 L 3 N I S

a b c d e f

a: Series b: Inner Plunger Tip Style c: Tip Diameter
d: Inner Plunger Spring Force e: Outside Grounding Design & Diameter f: Outer Plunger Spring Force

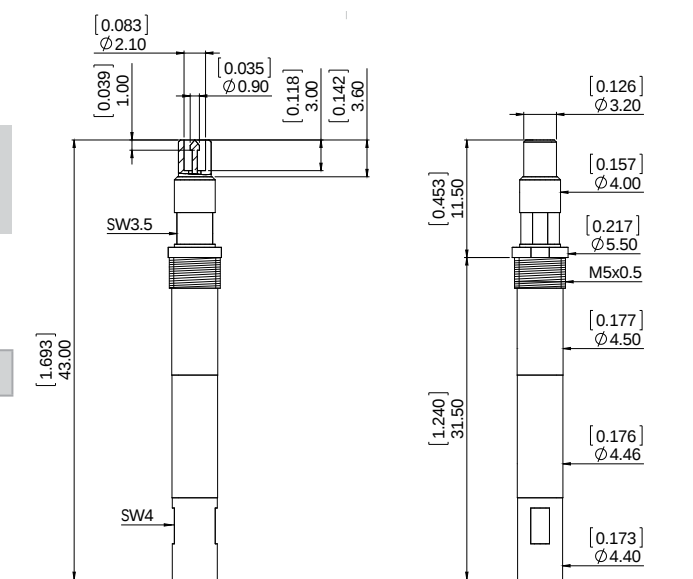
Receptacles RRF1 and RRFT1 are used for Radio-Frequency Probes RF0506 and RFT0506. See Page 196 for detailed information.

Threaded Test Probes Ordering Code Example

RFT0506 L 3 N I S

a b c d e f

a: Series b: Inner Plunger Tip Style c: Tip Diameter
d: Inner Plunger Spring Force e: Outside Grounding Design & Diameter f: Outer Plunger Spring Force



RF0606 & RFT0606

RF TEST PROBES

Technical Specifications

Mechanical Data - Spring-Loaded Inner Plunger

- Recommended Working Stroke: 2.00 mm [0.079]
- Full Stroke: 3.7 mm [0.146]

Mechanical Data - Outside Grounding

- Recommended Working Stroke: 4.00 mm [0.157]
- Full Stroke: 5.00 mm [0.197]

Total Spring Force

- Total Spring Force by Working Stroke
5.30/ 6.00/ 7.30/ 8.00/ 9.30/ 10.00 N
19.1/ 21.6/ 26.3/28.8 / 33.5/ 35.9 [oz]

Electrical Data

- Nominal Impedance: 50 Ω
- Frequency Range: Up to 6 GHz

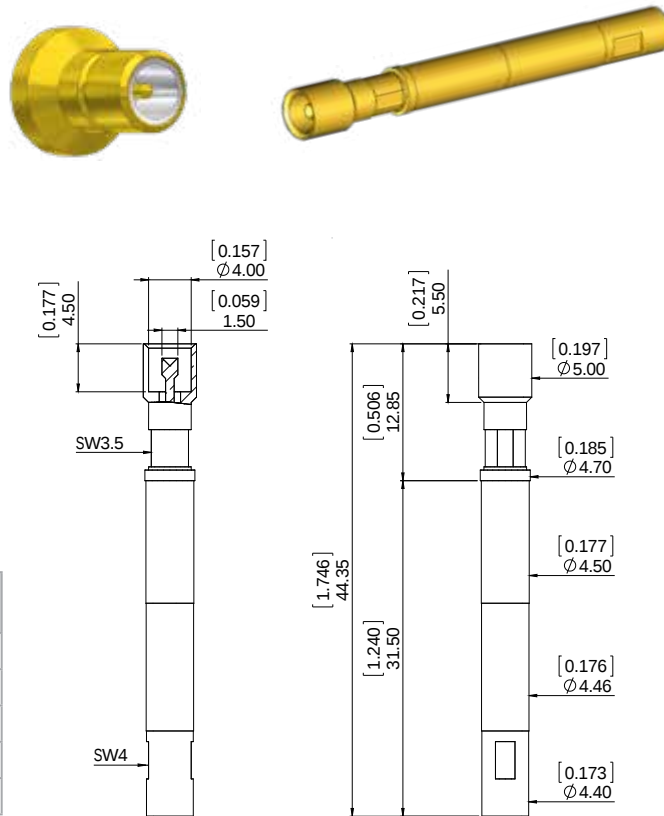
Materials

- Barrel: Brass
- Inner Plunger Tips: Beryllium Copper / Hard Gold plated

Cable Data

- Connection Test Probe: MCX

RF0606 Series of Radio-frequency Probes are designed for SMB Plug-based applications up to 6 GHz at 50 Ω impedance. They ensure effective transfer of High-frequency Signals.



Inner Plunger Spring Force at Working Stroke		
Code	Rated force	
	(N)	[oz]
N	1.30	4.7
X	2.00	7.2

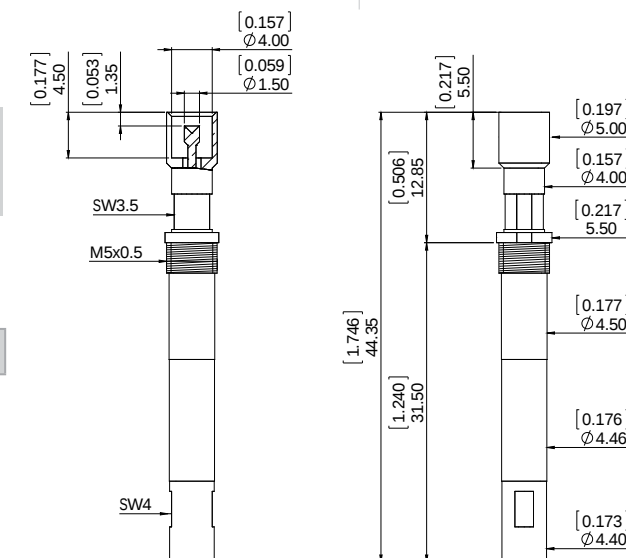
Outside Grounding Spring Force at Working Stroke		
Code	Rated force	
	(N)	[oz]
S	4.00	15.8
M	6.00	21.6
L	8.00	28.8

Test Probes Ordering Code Example

RF0606 C 4 N J2 S
a b c d e f

a: Series b: Inner Plunger Tip Style c: Tip Diameter
d: Inner Plunger Spring Force e: Outside Grounding Design & Diameter f: Outer Plunger Spring Force

Threaded RF Test Probe for contacting SMB Plug.



Receptacles **RRF1** and **RRFT1** are used for Radio-Frequency Probes **RF0606** and **RFT0606**. See **Page 196** for detailed information.

Threaded Test Probes Ordering Code Example

RFT0606 C 4 N J2 S
a b c d e f

a: Series b: Inner Plunger Tip Style c: Tip Diameter
d: Inner Plunger Spring Force e: Outside Grounding Design & Diameter f: Outer Plunger Spring Force

RF TEST PROBES

Technical Specifications

Mechanical Data - Spring-Loaded Inner Plunger

- Recommended Working Stroke: 2.00 mm [0.079]
- Full Stroke: 3.7 mm [0.146]

Mechanical Data - Outside Grounding

- Recommended Working Stroke: 4.00 mm [0.157]
- Full Stroke: 5.00 mm [0.197]

Total Spring Force

- Total Spring Force by Working Stroke
5.30/ 6.00/ 7.30/ 8.00/ 9.30/ 10.00 N
19.1/ 21.6/ 26.3/28.8 / 33.5/ 35.9 [oz]

Electrical Data

- Nominal Impedance: 50 Ω
- Frequency Range: Up to 6 GHz

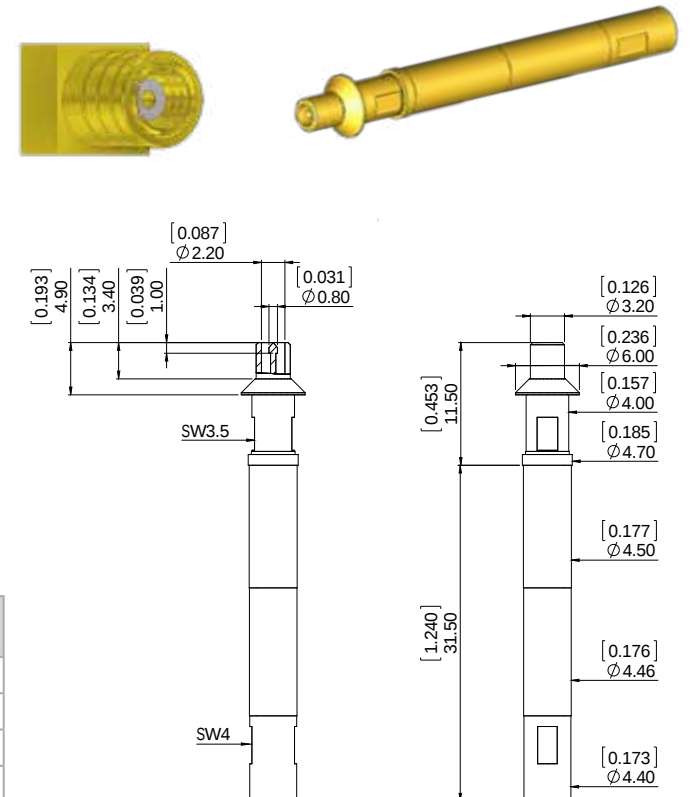
Materials

- Barrel: Brass
- Inner Plunger Tips: Beryllium Copper / Hard Gold plated

Cable Data

- Connection Test Probe: MCX

RF0706 Series of Radio-frequency Probes are designed for SMB Jack-based applications up to 6 GHz at 50 Ω impedance. They ensure effective transfer of High-frequency Signals.



Inner Plunger Spring Force at Working Stroke		
Code	Rated force	
	(N)	[oz]
N	1.30	4.7
X	2.00	7.2

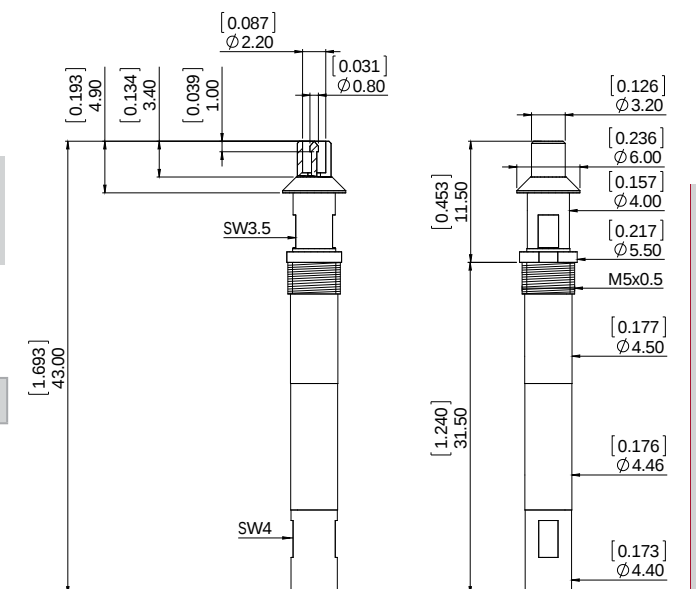
Outside Grounding Spring Force at Working Stroke		
Code	Rated force	
	(N)	[oz]
S	4.00	15.8
M	6.00	21.6
L	8.00	28.8

Test Probes Ordering Code Example

RF0706 L 2 N I S
a b c d e f

a: Series b: Inner Plunger Tip Style c: Tip Diameter
d: Inner Plunger Spring Force e: Outside Grounding Design & Diameter f: Outer Plunger Spring Force

Threaded RF Test Probe for contacting SMB Jack.



Receptacles **RRF1** and **RRFT1** are used for Radio-Frequency Probes **RF0706** and **RFT0706**. See **Page 196** for detailed information.

Test Probes Ordering Code Example

RFT0706 L 2 N I S
a b c d e g

a: Series b: Inner Plunger Tip Style c: Tip Diameter
d: Inner Plunger Spring Force e: Outside Grounding Design & Diameter f: Outer Plunger Spring Force

RF0806 & RFT0806

RF TEST PROBES

RF TEST PROBES

RF1206 & RFT1206

Technical Specifications

Mechanical Data - Spring-Loaded Inner Plunger

- Recommended Working Stroke: 2.00 mm [0.079]
- Full Stroke: 3.7 mm [0.146]

Mechanical Data - Outside Grounding

- Recommended Working Stroke: 4.00 mm [0.157]
- Full Stroke: 5.00 mm [0.197]

Total Spring Force

- Total Spring Force by Working Stroke
5.30/ 6.00/ 7.30/ 8.00/ 9.30/ 10.00 N
19.1/ 21.6/ 26.3/28.8 / 33.5/ 35.9 [oz]

Electrical Data

- Nominal Impedance: 50 Ω
- Frequency Range: Up to 6 GHz

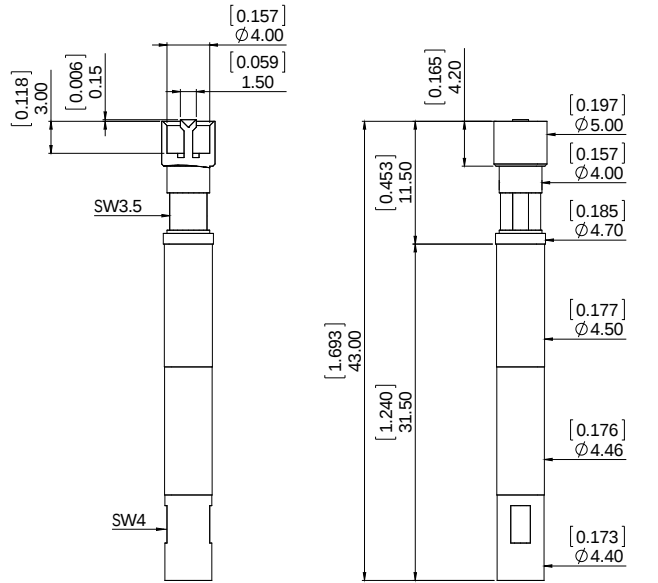
Materials

- Barrel: Brass
- Inner Plunger Tips: Beryllium Copper / Hard Gold plated

Cable Data

- Connection Test Probe: MCX

RF0806 Series of Radio-frequency Probes are designed for SMC Plug-based applications up to 6 GHz at 50 Ω impedance. They ensure effective transfer of High-frequency Signals.



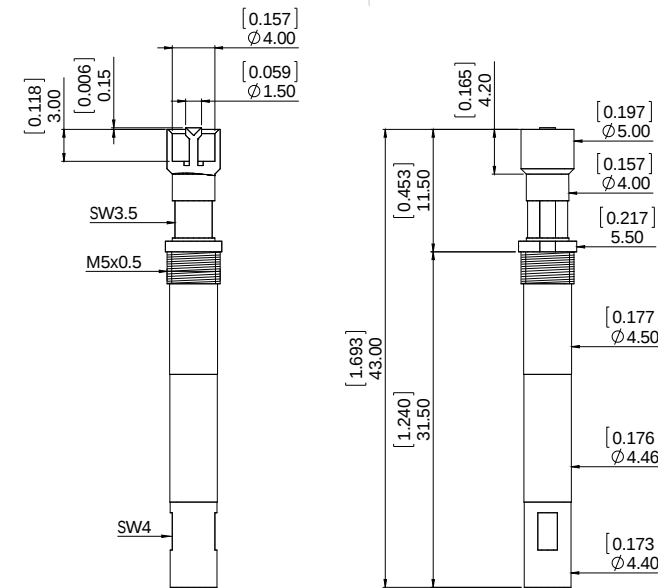
Inner Plunger Spring Force at Working Stroke			Outside Grounding Spring Force at Working Stroke		
Code	Rated force		Code	Rated force	
	(N)	[oz]		(N)	[oz]
N	1.30	4.7	S	4.00	15.8
X	2.00	7.2	M	6.00	21.6
			L	8.00	28.8

Test Probes Ordering Code Example

RF0806 C 4 N J S
a b c d e f

a: Series b: Inner Plunger Tip Style c: Tip Diameter
d: Inner Plunger Spring Force e: Outside Grounding Design & Diameter f: Outer Plunger Spring Force

Threaded RF Test Probe for contacting SMC Plug.



Receptacles RRF1 and RRF1 are used for Radio-Frequency Probes RF0806 & RFT0806. See Page 196 for detailed information.

Test Probes Ordering Code Example

RFT0806 C 4 N J S
a b c d e f

a: Series b: Inner Plunger Tip Style c: Tip Diameter
d: Inner Plunger Spring Force e: Outside Grounding Design & Diameter f: Outer Plunger Spring Force

Technical Specifications

Mechanical Data - Spring-Loaded Inner Plunger

- Recommended Working Stroke: 2.00 mm [0.079]
- Full Stroke: 3.7 mm [0.146]

Mechanical Data - Outside Grounding

- Recommended Working Stroke: 4.00 mm [0.157]
- Full Stroke: 5.00 mm [0.197]

Total Spring Force

- Total Spring Force by Working Stroke
5.30/ 6.00/ 7.30/ 8.00/ 9.30/ 10.00 N
19.1/ 21.6/ 26.3/28.8 / 33.5/ 35.9 [oz]

Electrical Data

- Nominal Impedance: 50 Ω
- Frequency Range: Up to 6 GHz

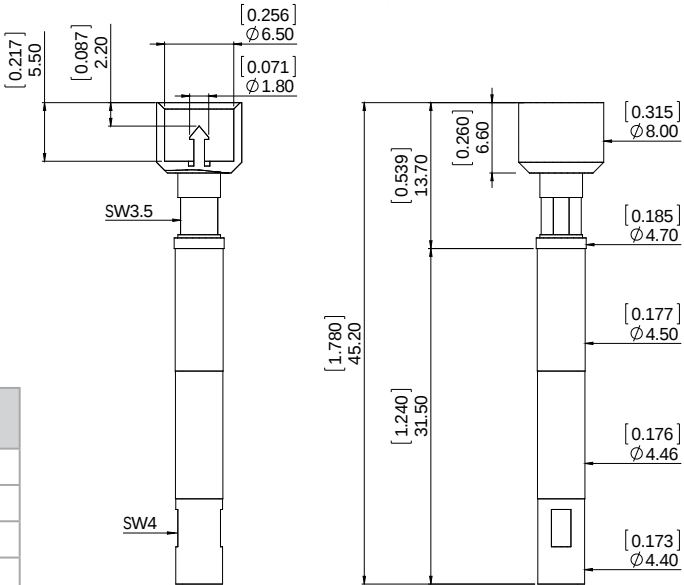
Materials

- Barrel: Brass
- Inner Plunger Tips: Beryllium Copper / Hard Gold plated

Cable Data

- Connection Test Probe: MCX

RF1206 Series of Radio-frequency Probes are designed for SMA Jack-based applications up to 6 GHz at 50 Ω impedance. They ensure effective transfer of High-frequency Signals.



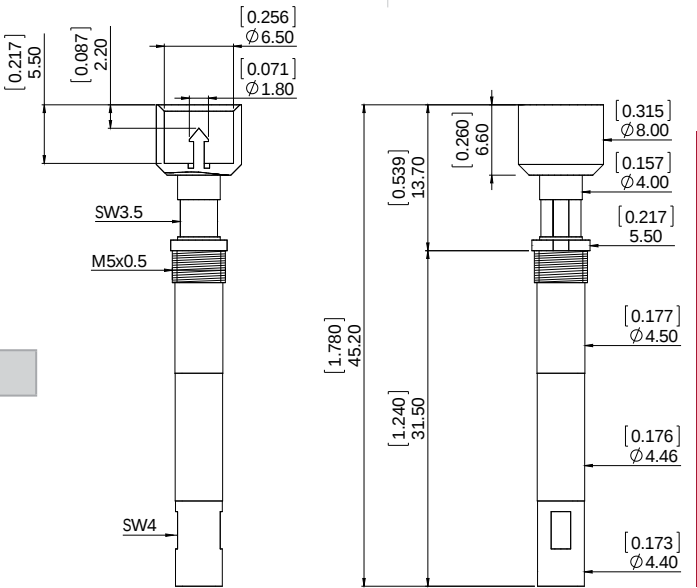
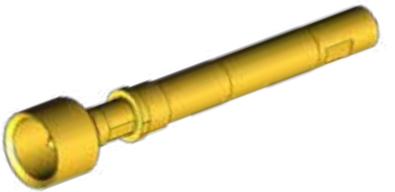
Inner Plunger Spring Force at Working Stroke			Outside Grounding Spring Force at Working Stroke		
Code	Rated force		Code	Rated force	
	(N)	[oz]		(N)	[oz]
N	1.30	4.7	S	4.00	15.8
X	2.00	7.2	M	6.00	21.6
			L	8.00	28.8

Test Probes Ordering Code Example

RF1206 L 8 N J S
a b c d e f

a: Series b: Inner Plunger Tip Style c: Tip Diameter
d: Inner Plunger Spring Force e: Outside Grounding Design & Diameter f: Outer Plunger Spring Force

Threaded RF Test Probe for contacting SMA Jack.



Receptacles RRF1 and RRF1 are used for Radio-Frequency Probes RF1206 and RFT1206. See Page 196 for detailed information.

Threaded Test Probes Ordering Code Example

RFT1206 L 8 N J S
a b c d e f

a: Series b: Inner Plunger Tip Style c: Tip Diameter
d: Inner Plunger Spring Force e: Outside Grounding Design & Diameter f: Outer Plunger Spring Force

RF2506 & RFT2506

RF TEST PROBES

Technical Specifications

Mechanical Data - Spring-Loaded Inner Plunger

- Recommended Working Stroke: 2.00 mm [0.079]
- Full Stroke: 3.7 mm [0.146]

Mechanical Data - Outside Grounding

- Recommended Working Stroke: 4.00 mm [0.157]
- Full Stroke: 5.00 mm [0.197]

Total Spring Force

- Total Spring Force by Working Stroke
5.30/ 6.00/ 7.30/ 8.00/ 9.30/ 10.00 N
19.1/ 21.6/ 26.3/28.8 / 33.5/ 35.9 [oz]

Electrical Data

- Nominal Impedance: 50 Ω
- Frequency Range: Up to 6 GHz

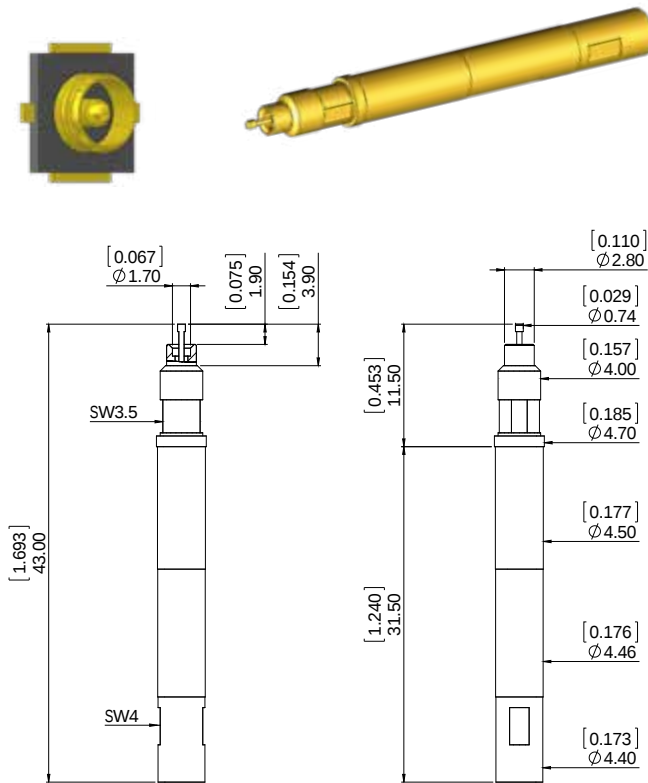
Materials

- Barrel: Brass
- Inner Plunger Tips: Beryllium Copper / Hard Gold plated

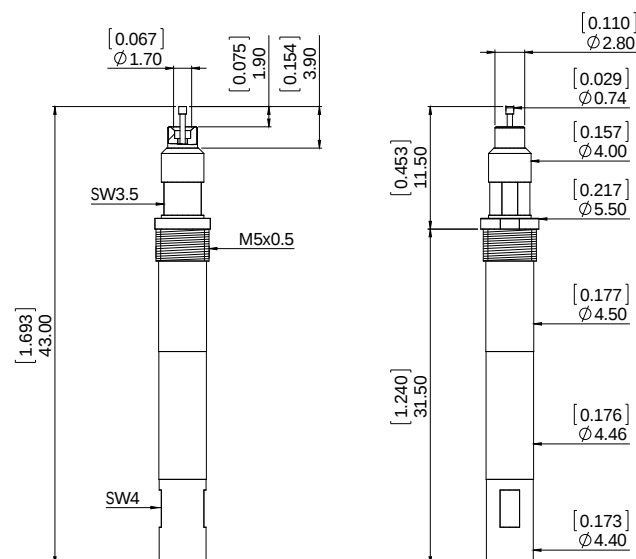
Cable Data

- Connection Test Probe: MCX

RF2506 Series of Radio-frequency Probes are designed for UFL Plug-based applications up to 6 GHz at 50 Ω impedance. They ensure effective transfer of High-frequency Signals.



Threaded RF Test Probe for contacting U.FL Plug.



RF TEST PROBES

RF2806 & RFT2806

Technical Specifications

Mechanical Data - Spring-Loaded Inner Plunger

- Recommended Working Stroke: 2.00 mm [0.079]
- Full Stroke: 3.7 mm [0.146]

Mechanical Data - Outside Grounding

- Recommended Working Stroke: 4.00 mm [0.157]
- Full Stroke: 5.00 mm [0.197]

Total Spring Force

- Total Spring Force by Working Stroke
5.30/ 6.00/ 7.30/ 8.00/ 9.30/ 10.00 N
19.1/ 21.6/ 26.3/28.8 / 33.5/ 35.9 [oz]

Electrical Data

- Nominal Impedance: 50 Ω
- Frequency Range: Up to 6 GHz

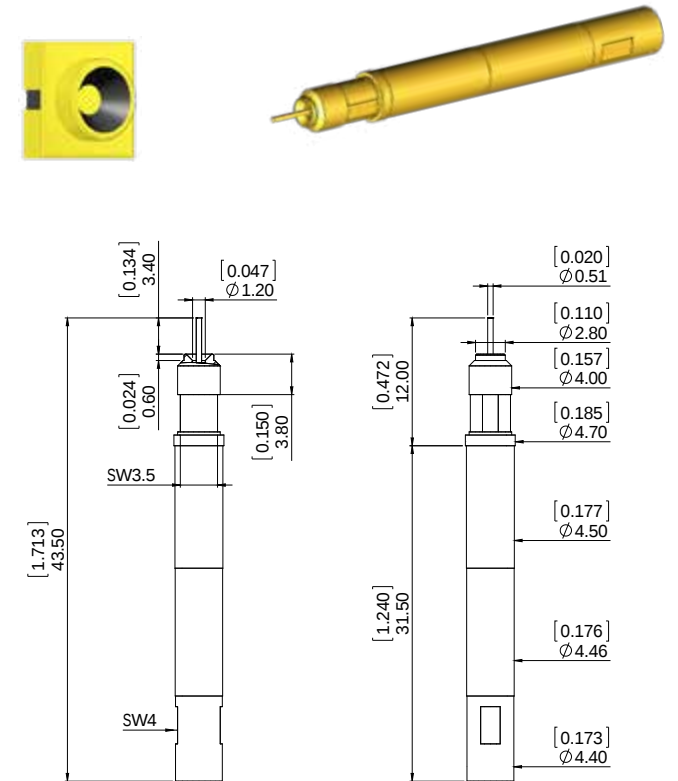
Materials

- Barrel: Brass
- Inner Plunger Tips: Beryllium Copper / Hard Gold plated

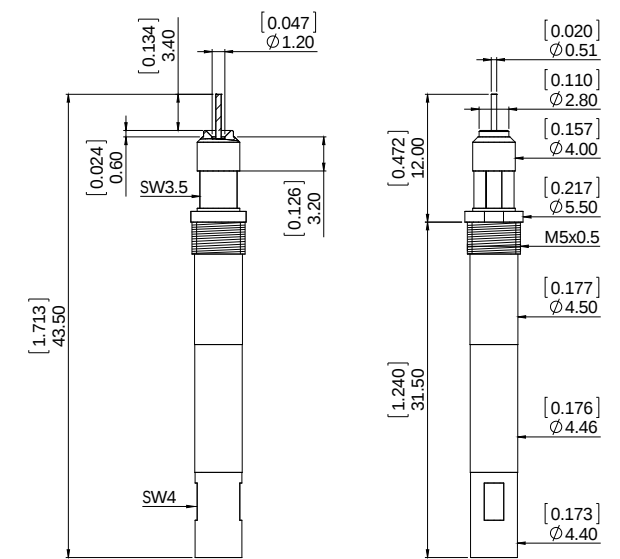
Cable Data

- Connection Test Probe: MCX

RF2806 Series of Radio-frequency Probes are designed for MM8130 / 8140 / MS 156 Switch-based applications up to 6 GHz at 50 Ω impedance. They ensure effective transfer of High-frequency Signals.



Threaded RF Test Probe for contacting MM8130 / 8430 / MS 156 Switch



Inner Plunger Spring Force at Working Stroke		
Code	Rated force	
	(N)	[oz]
N	1.30	4.7
X	2.00	7.2

Outside Grounding Spring Force at Working Stroke		
Code	Rated force	
	(N)	[oz]
S	4.00	15.8
M	6.00	21.6
L	8.00	28.8

Test Probes Ordering Code Example

RF2506 C 2 N J S
a b c d e f

a: Series b: Inner Plunger Tip Style c: Tip Diameter
d: Inner Plunger Spring Force e: Outside Grounding Design & Diameter f: Outer Plunger Spring Force

Receptacles **RRF1** and **RRFT1** are used for
Radio-Frequency Probes **RF2506** and **RFT2506**.
See **Page 196** for detailed information.

Threaded Test Probes Ordering Code Example

RFT2506 C 2 N J S
a b c d e f

a: Series b: Inner Plunger Tip Style c: Tip Diameter
d: Inner Plunger Spring Force e: Outside Grounding Design & Diameter f: Outer Plunger Spring Force

Test Probes Ordering Code Example

RF2806 G 2 N J1 S
a b c d e f

a: Series b: Inner Plunger Tip Style c: Tip Diameter
d: Inner Plunger Spring Force e: Outside Grounding Design & Diameter f: Outer Plunger Spring Force

Receptacles **RRF1** and **RRFT1** are used for
Radio-Frequency Probes **RF2806** and **RFT2806**.
See **Page 196** for detailed information.

Threaded Test Probes Ordering Code Example

RFT2806 G 2 N J1 S
a b c d e f

a: Series b: Inner Plunger Tip Style c: Tip Diameter
d: Inner Plunger Spring Force e: Outside Grounding Design & Diameter f: Outer Plunger Spring Force

RF2806 & RFT2806

RF TEST PROBES

Technical Specifications

Mechanical Data - Spring-Loaded Inner Plunger

- Recommended Working Stroke: 2.00 mm [0.079]
- Full Stroke: 3.7 mm [0.146]

Mechanical Data - Outside Grounding

- Recommended Working Stroke: 4.00 mm [0.157]
- Full Stroke: 5.00 mm [0.197]

Total Spring Force

- Total Spring Force by Working Stroke
5.30/ 6.00/ 7.30/ 8.00/ 9.30/ 10.00 N
19.1/ 21.6/ 26.3/ 28.8 / 33.5/ 35.9 [oz]

Electrical Data

- Nominal Impedance: 50 Ω
- Frequency Range: Up to 6 GHz

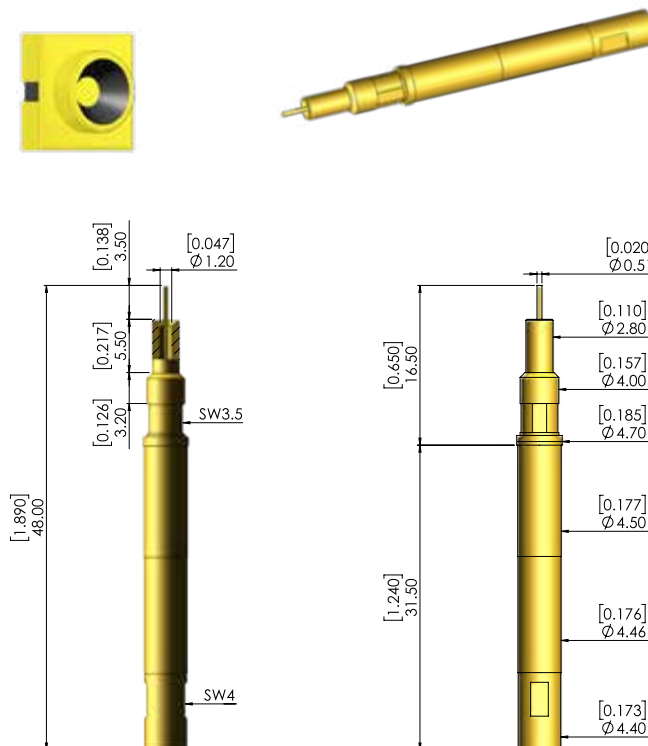
Materials

- Barrel: Brass
- Inner Plunger Tips: Beryllium Copper / Hard Gold plated

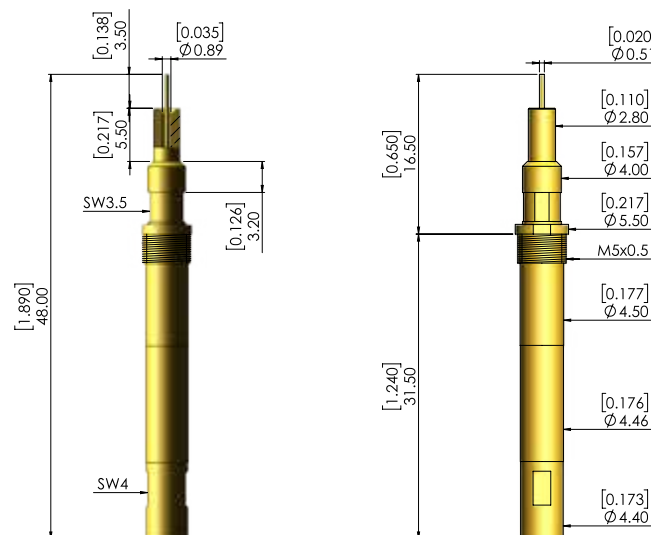
Cable Data

- Connection Test Probe: MCX

RF2806 Series of Radio-frequency Probes are designed for MM8130 / 8140 / MS 156 Switch-based applications up to 6 GHz at 50 Ω impedance. They ensure effective transfer of High-frequency Signals.



Threaded RF Test Probe for
MM8130/8430/MS 156 Switch.



Inner Plunger Spring Force at Working Stroke			Outside Grounding Spring Force at Working Stroke		
Code	Rated force		Code	Rated force	
	(N)	[oz]		(N)	[oz]
N	1.30	4.7	S	4.00	15.8
X	2.00	7.2	M	6.00	21.6
			L	8.00	28.8

Test Probes Ordering Code Example

RF2806 G 2 N J2 S
a b c d e f

a: Series b: Inner Plunger Tip Style c: Tip Diameter
d: Inner Plunger Spring Force e: Outside Grounding Design & Diameter f: Outer Plunger Spring Force

Receptacles RRF1 and RRFT1 are used for
Radio-Frequency Probes RF2806 and RFT2806.
See Page 196 for detailed information.

Threaded Test Probes Ordering Code Example

RFT2806 G 2 N J2 S
a b c d e f

a: Series b: Inner Plunger Tip Style c: Tip Diameter
d: Inner Plunger Spring Force e: Outside Grounding Design & Diameter f: Outer Plunger Spring Force

RF TEST PROBES

Technical Specifications

Mechanical Data - Spring-Loaded Inner Plunger

- Recommended Working Stroke: 2.00 mm [0.079]
- Full Stroke: 3.70 mm [0.059]

Mechanical Data - Outside Grounding

- Recommended Working Stroke: 4.00 mm [0.157]
- Full Stroke: 5.00 mm [0.197]

Total Spring Force

- Total Spring Force by Working Stroke
5.30/ 6.00/ 7.30/ 8.00/ 9.30/ 10.00 N
19.1/ 21.6/ 26.3/ 28.8 / 33.5/ 35.9 [oz]

Electrical Data

- Nominal Impedance: 50 Ω
- Frequency Range: Up to 6 GHz

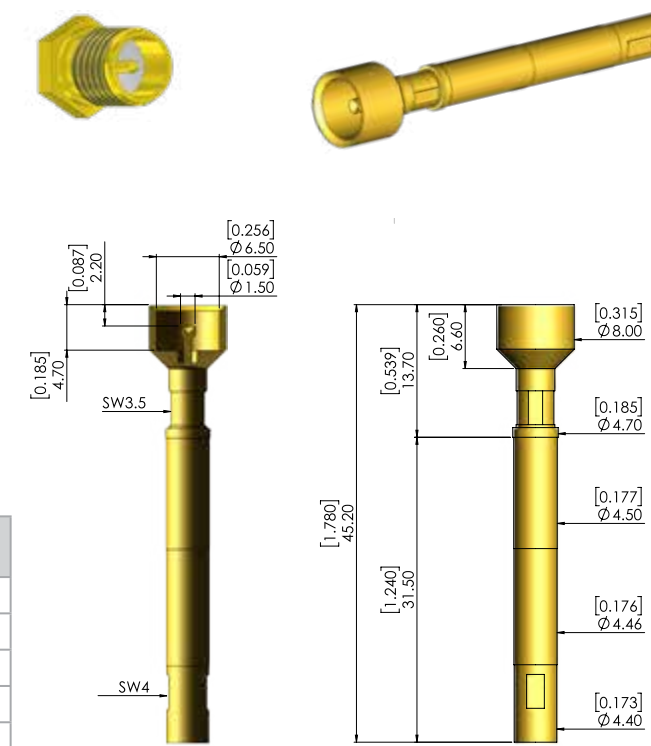
Materials

- Barrel: Brass
- Inner Plunger Tips: Beryllium Copper / Hard Gold plated

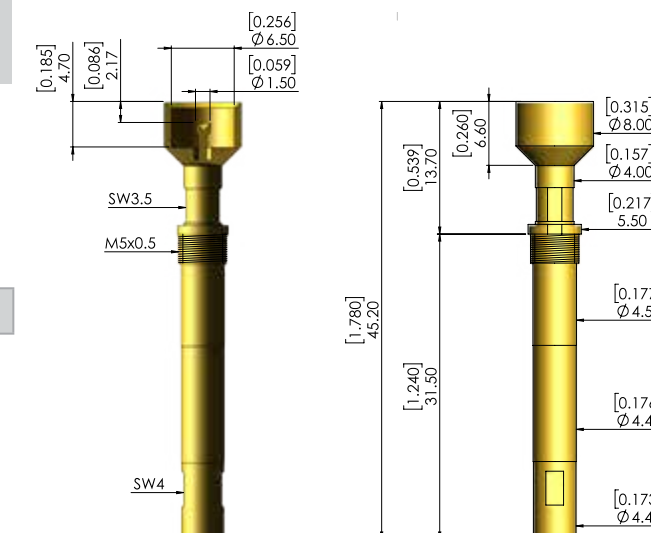
Cable Data

- Connection Test Probe: MCX

RF3006 Series of Radio-frequency Probes are designed for SMA Plug-based applications up to 6 GHz at 50 Ω impedance. They ensure effective transfer of High-frequency Signals.



Threaded RF Test Probe for contacting SMA Plug.



Inner Plunger Spring Force at Working Stroke			Outside Grounding Spring Force at Working Stroke		
Code	Rated force		Code	Rated force	
	(N)	[oz]		(N)	[oz]
N	1.30	4.7	S	4.00	14.4
X	2.00	7.2	M	6.00	21.6
			L	8.00	28.8

Test Probes Ordering Code Example

RF3006 C 4 N J S
a b c d e f

a: Series b: Inner Plunger Tip Style c: Tip Diameter
d: Inner Plunger Spring Force e: Outside Grounding Design & Diameter f: Spring Force of Outside Grounding

Receptacles RRF1 and RRFT1 are used for
Radio-Frequency Probes RF3006 and RFT3006.
See Page 196 for detailed information.

Threaded Test Probes Ordering Code Example

RFT3006 C 4 N J S
a b c d e f

a: Series b: Inner Plunger Tip Style c: Tip Diameter
d: Inner Plunger Spring Force e: Outside Grounding Design & Diameter f: Outer Plunger Spring Force

RF4706 & RFT4706

RF TEST PROBES

RF RECEPTACLES

RF TEST PROBES INNER PLUNGERS

Technical Specifications

Mechanical Data - Spring-Loaded Inner Plunger

- Recommended Working Stroke: 2.00 mm [0.079]
- Full Stroke: 3.7 mm [0.146]

Mechanical Data - Outside Grounding

- Recommended Working Stroke: 4.00 mm [0.157]
- Full Stroke: 5.00 mm [0.197]

Total Spring Force

- Total Spring Force by Working Stroke
5.30/ 6.00/ 7.30/ 8.00/ 9.30/ 10.00 N
19.1/ 21.6/ 26.3/ 28.8 / 33.5/ 35.9 [oz]

Electrical Data

- Nominal Impedance: 50 Ω
- Frequency Range: Up to 6 GHz

Materials

- Barrel: Brass
- Inner Plunger Tips: Beryllium Copper / Hard Gold plated

Cable Data

- Connection Test Probe: MCX

Inner Plunger Spring Force at Working Stroke

Code	Rated force	
	(N)	[oz]
N	1.30	4.7
X	2.00	7.2

Outside Grounding Spring Force at Working Stroke

Code	Rated force	
	(N)	[oz]
S	4.00	15.8
M	6.00	21.6
L	8.00	28.8

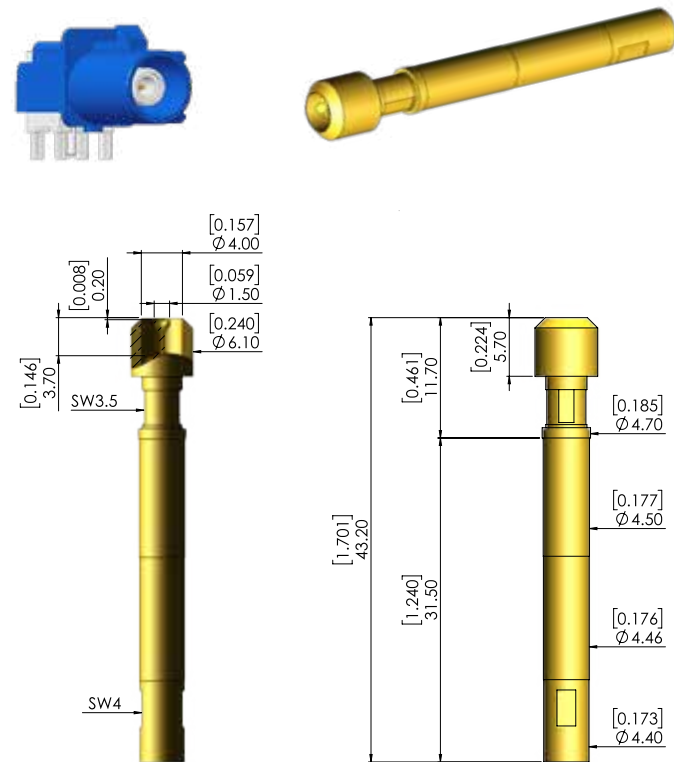
Test Probes Ordering Code Example

RF4706 C 4 N I I S

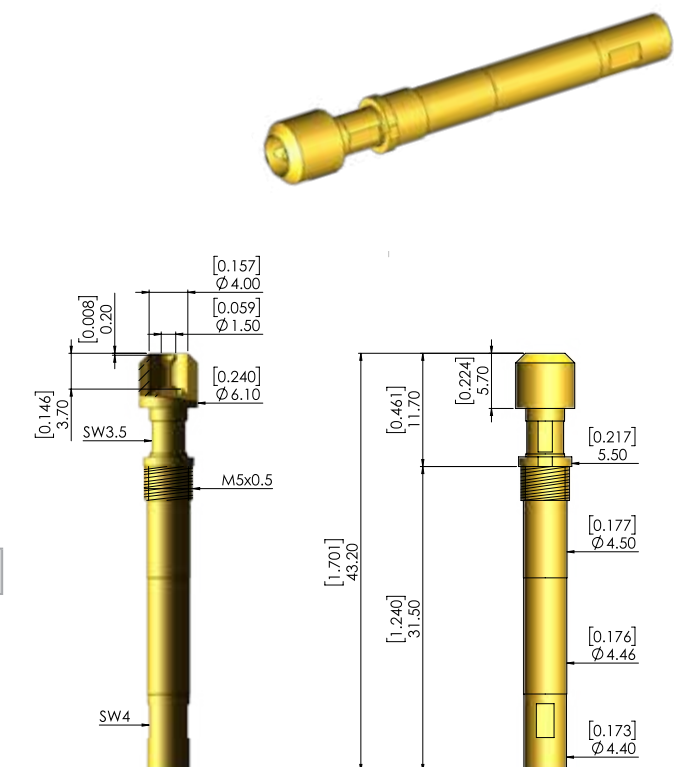
a b c d e f

a: Series b: Inner Plunger Tip Style c: Tip Diameter
d: Inner Plunger Spring Force e: Outside Grounding Design & Diameter f: Outer Plunger Spring Force

RF4706 Series of Radio-frequency Probes are designed for Fakra-type Plug-based applications up to 6 GHz at 50 Ω impedance. They ensure effective transfer of High-frequency Signals.

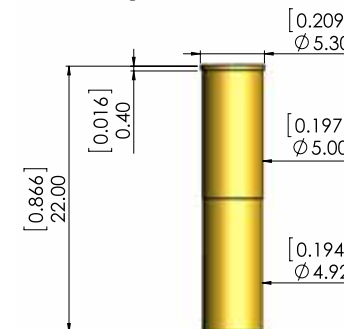


Threaded RF Test Probe for Fakra Plug Contacting



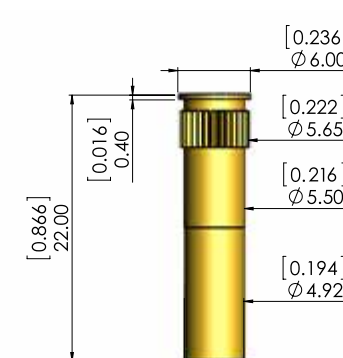
RRF1

Material: Brass
Plating: Hard Gold



RRFT1

Material: Brass
Plating: Hard Gold
Feature: Threaded



The RF Series exchangeable Inner Plungers have the function of the Signal Pin in our RF Probes. Due to their exchangeability our RF probes are the best choice during the whole life-cycle of the product.

Technical Specifications

Mechanical Data - Spring-Loaded Inner Plunger

- Recommended Working Stroke: 2.00 mm [0.079]
- Full Stroke: 3.7 mm [0.146]

Electrical Data

- Nominal Impedance: 50 Ω
- Frequency Range: Up to 6 GHz

Materials

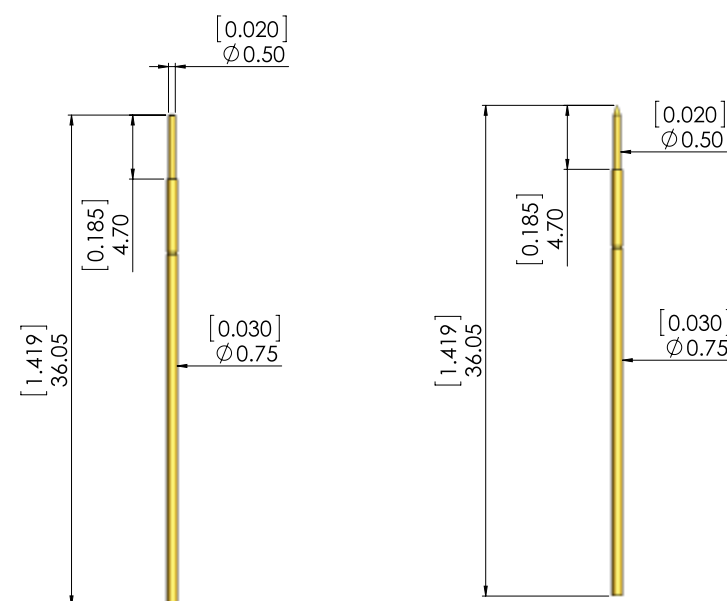
- Barrel: Brass
- Inner Plunger Tips: Beryllium Copper / Hard Gold plated

Spring Material: Spring Steel Plated

Plunger Spring Force at Working Stroke

Code	Rated force	
	(N)	[oz]
N	1.30	4.7
X	2.00	7.2

Inner Plungers for RF4004 & RFT4004 - PCB



RFI 2051 A2 SK

RFI 2051 E2 SK

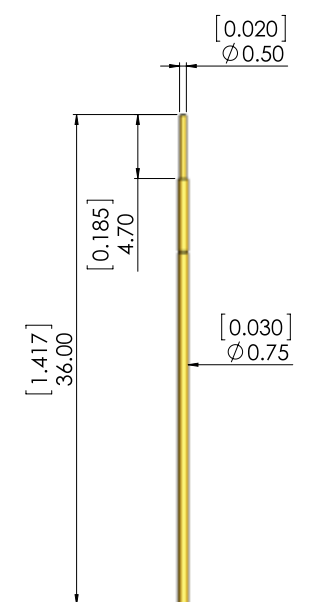
Test Probes Ordering Code Example

RFI2051 G 2 N

a b c d

a: Series b: Inner Plunger Tip Style c: Tip Diameter
d: Inner Plunger Spring Force

Inner Plungers for RF2806 & RFT2806 - MM8130 / 8140 / MS 156



RFI 2051 G2 N

Test Probes Ordering Code Example

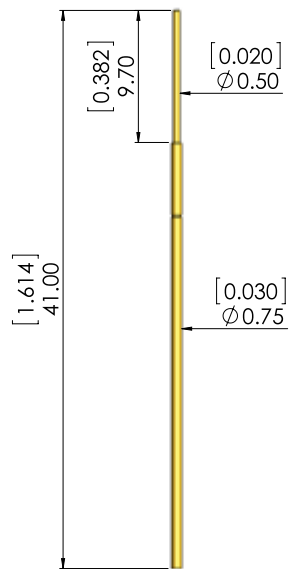
RFI2051 A 2 S K

a b c d e

a: Series b: Inner Plunger Tip Style c: Tip Diameter
d: Inner Plunger Spring Force e: Special Design

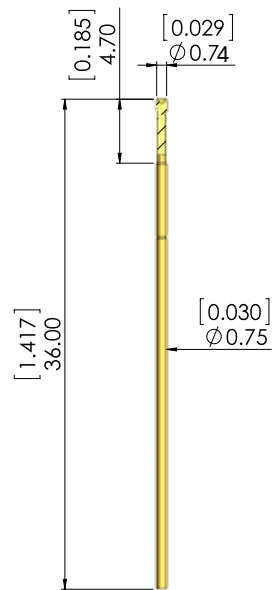
RFI2051 Series RF TEST PROBES INNER PLUNGERS

Inner Plungers for
RF2806 & RFT2806
- MM8130 / 8140 / MS 156



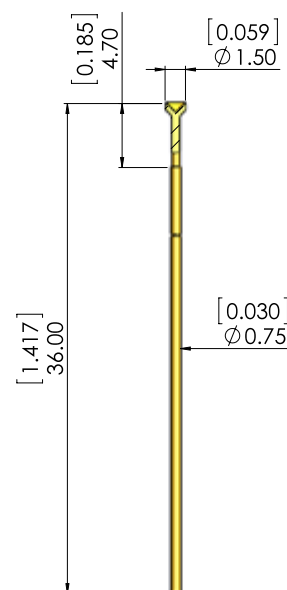
RFI 3051 G2 N

Inner Plunger for
RF2506 & RFT2506 - UFL.m. Plug



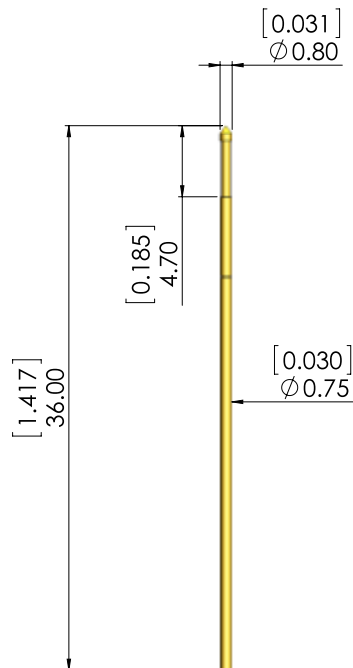
RFI 2051 C2 N

Inner Plunger for
RF3006 & RFT3006 - SMA Plug
RF0806 & RFT0806 - SMC Plug



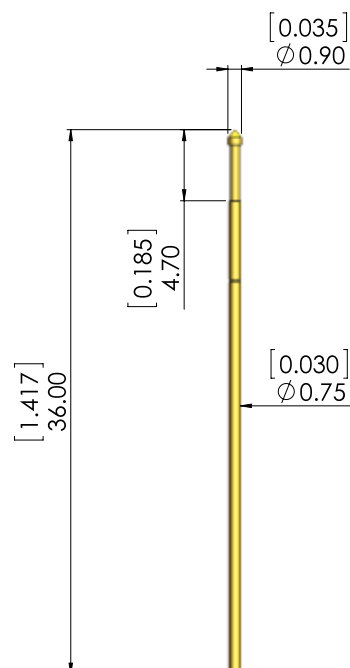
RFI 2051 C4 N

Inner Plunger for
RF0706 & RFT0706 - SMB Jack



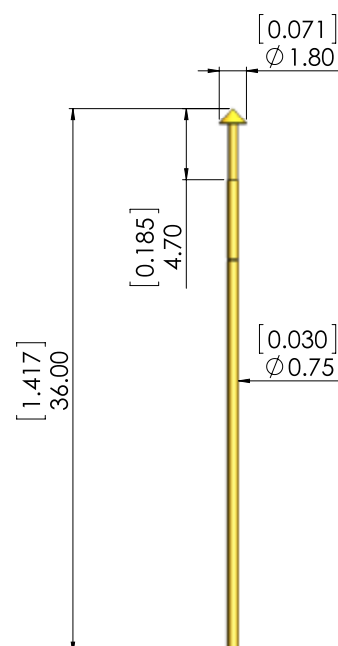
RFI 2051 L2 N

Inner Plunger for
RF0506 & RFT0506 - MCX Jack



RFI 2051 L3 N

Inner Plunger for
RF1206 & RFT1206 - SMA Jack



RFI 2051 L8 N

≡ Test Probes Ordering Code Example

RFI2051 C 4 N
a b c d

a: Series b: Inner Plunger Tip Style c: Tip Diameter
d: Inner Plunger Spring Force

≡ RF Cable Assembly Ordering Code Example

RFCA I MCX 75 SMA
a b c d

a: Series b: Connection to Test Probe
c: Length of the Cable d: Connection to Testing System

CABLE CONFECTION, MODULE ASSEMBLY AND CUSTOM MADE RF SOLUTIONS

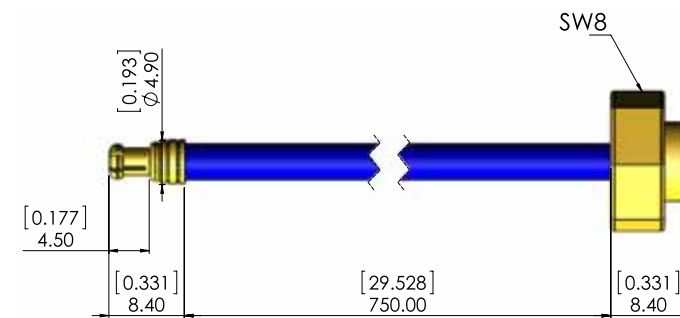
Technical Specifications:

Electrical Data

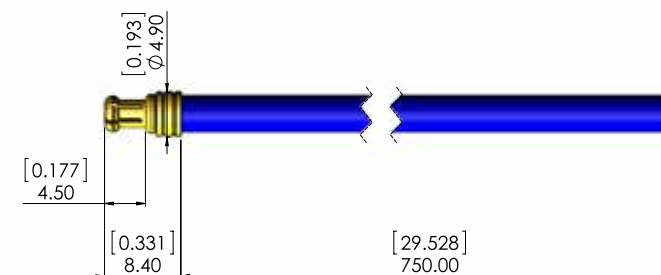
- Nominal Impedance: 50 Ω
- Frequency Range: Up to 6 GHz

Cable Data

- Type: Multiflex 86
- Length: 750 mm [29.527]
- Connection Test Probe: MCX
- Connection Testing Technology: SMA
- Insulated



RFCA I MCX75 SMA



RFCA I MCXm75 A



Equip-Test provides Custom Made RF Cable Assemblies.

Quality

During manufacturing first priority is given to our commitment to quality. We provide single-piece product testing for each of our products.

Reliability

We provide the shortest lead-time on the market to ensure on-time delivery according to customer needs.

Price

We offer competitive pricing with cost-effective design & manufacturing. This means a clear benefit for both parties.

Complete service from one supplier:

- Consultancy
- Development
- Generating drawings
- Manufacturing the samples
- Trial series
- Manufacturing of Cables and Component Assembly
- Logistics
- Warehousing

Complete manufacturing process from one source:

During the assembly our trained staff prepares and manufactures complex Cable Harnesses with the most cost-effective manufacturing processes.

- Prototypes, small and large production runs
- Bandaging, winding, taping, threads in covers and spiral sleeveings
- Flat and flat-round Cable Processing
- Energy Chain Cables and assembling
- Over-molded Cable Assemblies with Macromeltor high-injection molding
- Cross-sections from 0.04 mm² up to 120 mm²
- Crimping, Soldering and Splicing

For more information please contact:

info@equip-test.com

RF9000 001

RF TEST PROBES

RF TEST PROBES

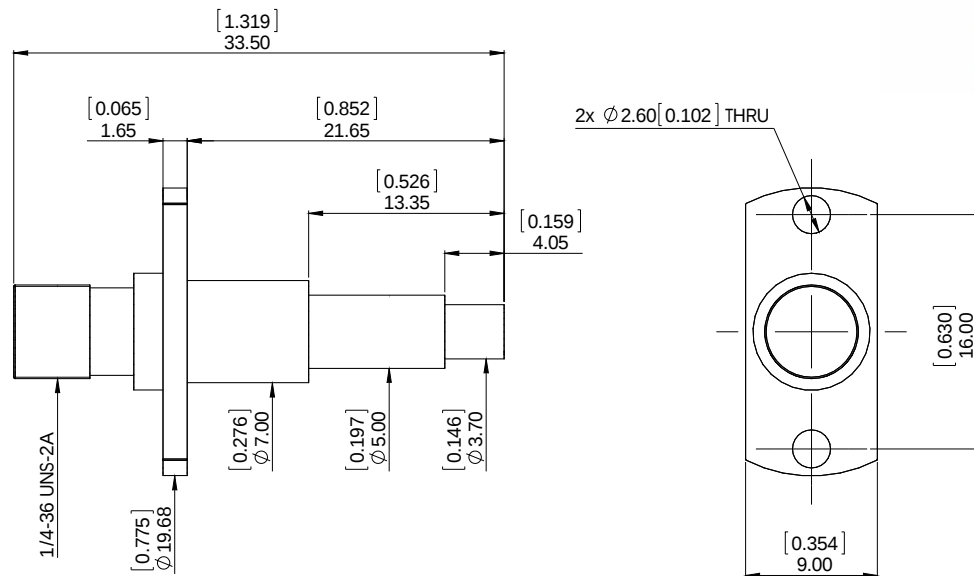
RF9000 003 & 004

Technical Specifications

Frequency Range: DC to 6GHz
Nominal Impedance: 50 Ω
Temperature Range: -40 to +90 °C
Voltage Rating: 250 V r.m.s.
Withstanding Voltage: AC 300 V
Contact Resistance: max. 20 mΩ
Insulation Resistance: min. 500M Ω
Voltage Standing Wave Ratio (V.S.W.R.):
 • DC to 3GHz max. 1.60
 • 3GHz to 6GHz max. 2.00
Insertion Loss:
 • DC to 3GHz max. 0.6 dB
 • 3GHz to 6GHz max. 1.5 dB

RF9000 001 Series of Radio-frequency Probes are designed for various applications - from 3 GHz up to 6 GHz at 50 Ω impedance. They ensure effective transfer of High-frequency Signals.

The Floating Mechanism is not attached within the probe. Connector Jig with Floating Mechanism must be used. The engagement strokes from the flange to the tip of probe is 18.28 mm [0.720 in] to 19.78 mm [0.779 in] with vertical (0±2°) direction.



Test Probes Ordering Code Example

RF9000 001

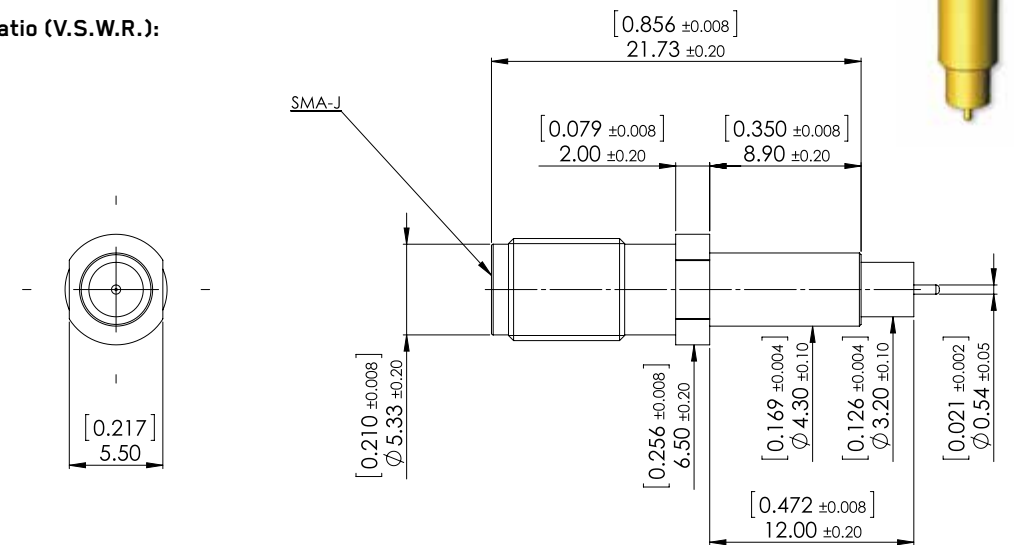
a b

a: Series b: Plunger Tip Style

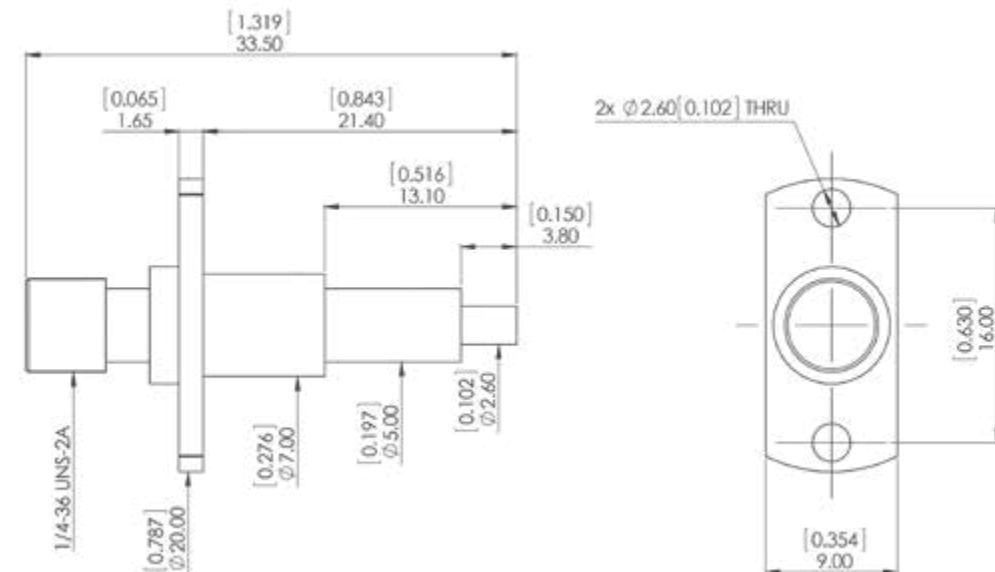
Technical Specifications

Frequency Range: DC to 6GHz
Nominal Impedance: 50 Ω
Temperature Range: -40 to +90 °C
Voltage Rating: 250 V r.m.s.
Withstanding Voltage: No evidence of breakdown
Contact Resistance:
 • Center contact max. 25.0 mΩ
 • Outer contact max. 20.0 mΩ
Insulation Resistance: min. 500M Ω
Voltage Standing Wave Ratio (V.S.W.R.):
 • DC to 3GHz TBD
 • 3GHz to 6GHz TBD
Insertion Loss:
 • DC to 3GHz TBD
 • 3GHz to 6GHz TBC

RF9000 003 Series of Radio-frequency Probes are designed for various applications - from 3 GHz up to 6 GHz at 50 Ω impedance. They ensure effective transfer of High-frequency Signals.



Automatic Measurement Probe **RF9000 004** for testing Microwave Coaxial Connectors. The pressure force is 5N to 9N with vertical (0+/-2 degree).



Mechanical Fixture Kit

MFS SERIES

The new single well Equip-Test Mechanical Test Fixture (MFS), complies to most demanding In-Circuit and Functional Testing Challenges.

Interface plate cover is placed on back of Fixture, which can be freely customized according customer's requirements.

Due to its robust design this Fixture can easily handle up to 1000 Test Points* without bending problems!

ND-MFS-D3-RF

Mechanical Fixture with Radio-Frequency Insert



ND-RF-EXCH-D3

Radio-Frequency insert for electronics industry. Ideal for testing devices for the Internet of Things (IoT)

- High isolation up to 80 dB Qualified from 400 MHz to 6 GHz to cover all common RF bands
- Solid and reliable construction from solid aluminium block
- Fully removable bottom plate allows easy and effective wiring
- Reliable overlapping seams on all permanent interconnections
- Rounded side corners for better RF reflection characteristics
- Expandable chamber to extend RF environment
- Large cabling access plate, removable and easy to customise
- Optional internal absorber to reduce internal reflections

* Up to 1000 Test Points - If standard 2 N Test Probes are used

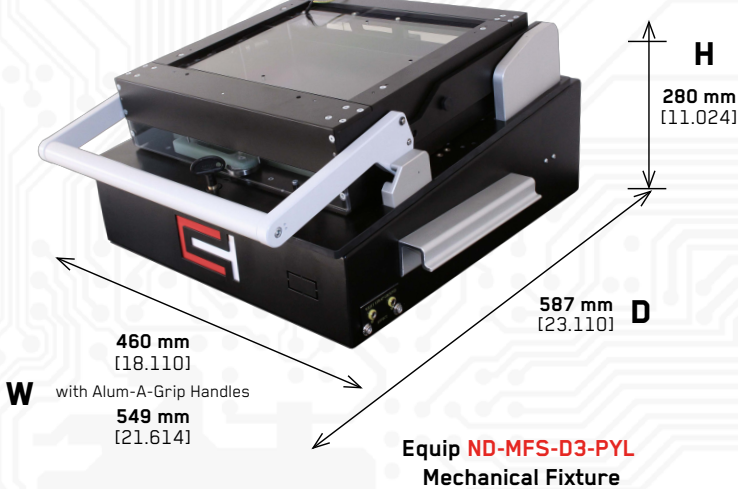
MFS-D2

- Usable Area: 133 mm x 218 mm [5.236 in x 8.583 in]



MFS-D3

- Usable Area: 273 mm x 218 mm [10.748 in x 8.583 in]



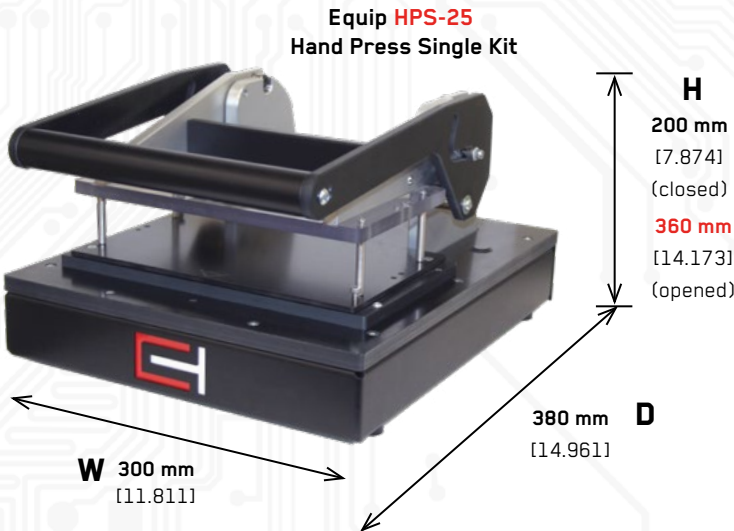
Hand Press Fixture Kit

HPS SERIES

Equip-Test R&D department has designed a new Hand Press Fixture for low pin-count applications. Ideal for flash programming, rework purposes. As it has an exchangeable kit feature, it is perfect solution for small, middle batch and/or high-mix productions.

HPS-25

- Usable Area: 200 mm x 125 mm [7.874 in x 4.921 in]



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