

Installation and Maintenance Tools for Contact Probes



Fix Insertion Tools for Receptacle Mounting

- H050
- H075
- H100
- H109
- H111
- H56x
- H772
- H774
- ...

All receptacles that need to be pushed into the mounting material completely can be inserted with the mounting tools FEWZ...E0. The guiding pins in these tools help to stabilize the receptacles and to mount them properly.

Receptacles with press ring that need to be mounted with a certain (fix) projection height can be inserted with the tools FEWZ...Ex. The value x represents the fix projection height of the receptacles (see drawing). Example: The tool FEWZ-100E46 results in a height of 4.6 mm.

Adjustable Insertion Tools for Receptacle Mounting

- H050
- H075
- H100
- H772
- ...

If the required projection height is changing frequently or cannot be realized by using a tool with fix height, tools with adjustable mounting height FEWZ...EV are helpful. These tools allow quick mounting of all receptacles in the required height. The guiding pins and the adjustable sleeves make sure that the receptacles are not damaged.

The example on the left shows how to mount a receptacle with a projection height of 5.6 mm.

Alignment Tools for Twist Proof Receptacle Mounting

- F751
- F756
- F755
- F760
- VF100
- VF3
- VF4

In most cases a twist proof design of probes is realized by a flat end of the plunger combined with a slotted receptacle. As an advantage, only the receptacle needs to be mounted and aligned in the right position. The probe only needs to be inserted into this receptacle.

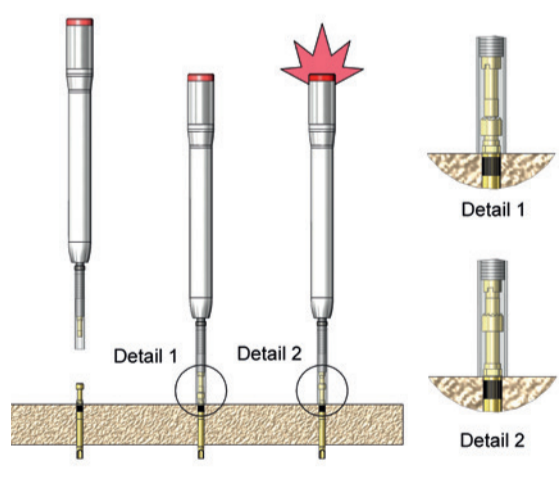
The alignment tools FAWZ help mounting these slotted receptacles correctly. The spade end of the tools fits into the slots of the receptacles and a flange allows to align it e.g. with a toggle press. The FAWZ tools consist of a handle (GSFAWZxx) and a bit for the required probe (ASxxx).

Insertion Tools for Plug-in Contact Probes

- F050
 - F075
 - F100
- ... all plug-in probes

For inserting plug-in probes into the already mounted receptacles the press-in tools FDWZ are useful. They are designed in the right dimensions for certain centers and allow to plug in probes even at limited space. The FDWZ tools are made of plastic material to assure the tips of the probes are not damaged while pushing them in.

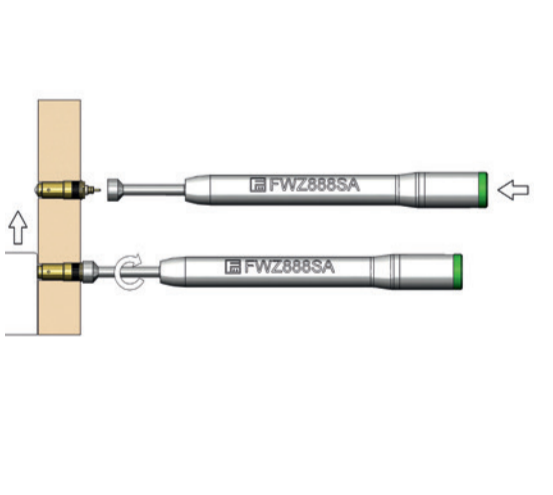
Blocking Tester for Contact Probes



The blocking tester allows to detect locked or tight plungers in an existing test fixture or module very fast and simple. Thereby a potential damage of connector elements caused by blocked plungers can be avoided.

Detail 1 in the picture shows a correct probe, the plunger can normally be pushed down. Detail 2 shows a blocked plunger, the blocking tester is activated and shows a red light to indicate that the plunger is blocked.

Signal Tools for Mounting Specific Switch Probes



The tools FWZ...SA enable mounting and positioning of specific switch probes before the final electrical connections are made. While screwing in the probes and during presence of the DUTs the tools allow to detect the exact switching position quickly by using the signal light, which is illuminated as soon as the switch circuit is closed.

- Available Versions**
- FWZ888SA for probe F888 with ball tip (shown left)
 - FWZ880SA for probe F880 (shown below)

Assembly Tools for Threaded Contact Probes

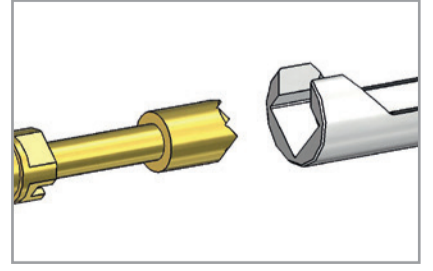
- F730
 - F731
 - F732
- ... all threaded probes

Screw-in tools for mounting threaded contact probes are available in three different sizes, each with or without ratchet, and can be used with a large variety of bits for the different applications and probe types.

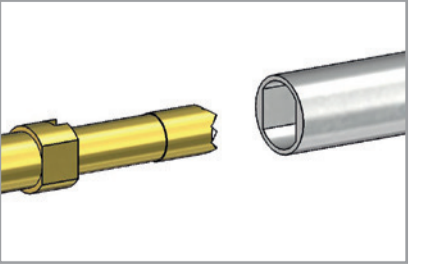
- Handle Sizes**
- GS300 with wrench size 3 mm (green)
 - GS400 with wrench size 4 mm (red)
 - GS500 with wrench size 5 mm (blue)

- Bit Types**
- hook wrench
 - socket wrench
 - screw driver
 - multiple pin tool for step probes
 - triangle tool for special applications

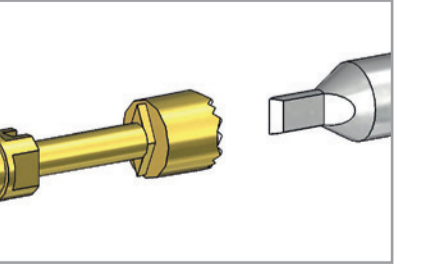
Bits for Manual Screwdriver and Cordless Screwdriver Set



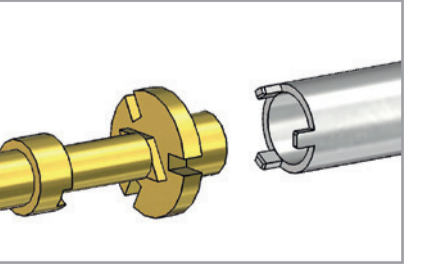
Hook Wrench
Suitable for probes with square wrench sizes, even if the head diameter is larger than the wrench size.



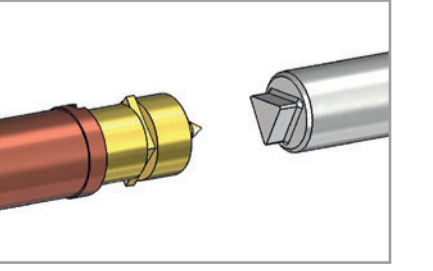
Socket Wrench
Suitable for probes with square wrench sizes if the head diameter is smaller than the wrench size (well suitable for small centers).



Screw Driver
Suitable for probes with serrated or slotted tip style and heads with integrated tappet.



Multiple Pin Tool
Suitable for special probe designs like e.g. step probes with oversized plates, allows mounting at limited space.



Triangle Tool
Suitable for mounting coaxial probe F832 with three integrated drill holes to allow the triangle to fit in.



Watch Our Tool Videos

Watching our tool videos makes it easy to understand the use of the tools in a very practical way. The QR-code directly leads you to the list of our videos!



Spring Force Gauge FK50

The spring force gauge allows force measurements at spring contact probes up to 50 N spring force. The measuring results are displayed at the instrument, if needed turned by 180° e.g. for overhead applications.

For measuring, the sleeve needs to be put over the probe and pushed down until it stops on the mounting plate. The depth of the sleeve can be adjusted.

- Specifications**
- available measuring sleeves: Ø 3mm, Ø 4mm, Ø 5mm
 - minimum force: 3 g / 0.1 oz / 0.03 N
 - resolution: 1 g / 0.03 oz / 0.01 N
 - measuring accuracy: ± 0.5 % at 25°C
 - data output via RS232

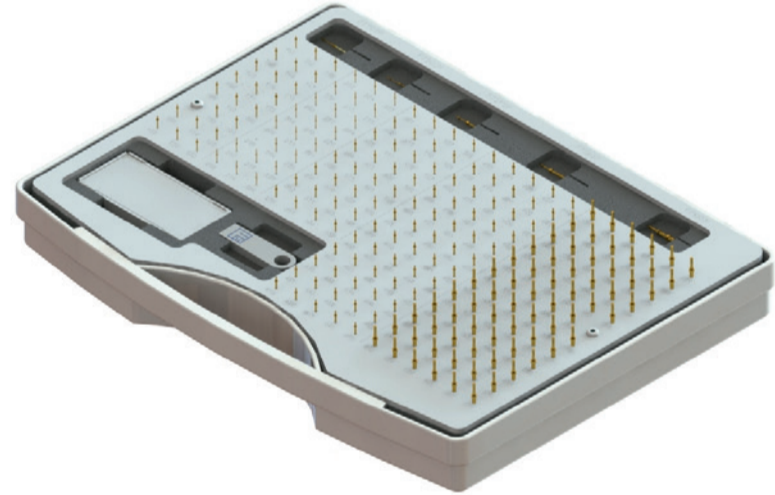


Step Probe Sample Box

Step probes are contact probes that are not only realizing an electrical contact to the test item but at the same time they allow to test the terminal position. However, these applications are based on the availability of possible step probe dimensions.

This sample box contains a variety of step probes to identify and test the exact dimensions that fit to your module or fixture design.

Order Code
FM-SAMPLE-BOX-SP



Toolbox for Mounting Tools

With the toolbox you always have the right set of tools for mounting threaded contact probes at your side. You can order the completely filled box or alternatively an empty box with inlay for filling it with your individual tools.

- Contents of Complete Toolbox**
- 22 different bits
 - standard handles without ratchet (green, red, blue)
 - handles with ratchet (green, red, blue)
 - two alignment tools
 - two screw drivers

Order Codes

- complete tool box: FM-TOOLBOX-SET-001
- empty tool box: FM-TOOLBOX



Cordless Screwdriver Set NEW

The cordless screwdriver set is the ideal tool box for mounting higher volumes of threaded contact probes into a fixture or module quickly and still reliably.

- Contents**
- cordless screwdriver
 - holder GS300TA with ratchet, wrench size 3 mm (green)
 - holder GS400TA with ratchet, wrench size 4 mm (red)
 - holder GS500 TA with ratchet, wrench size 5 mm (blue)
 - large box for bit holders and individual bits
 - small empty boxes for spare probes
 - power supply (230V)

Order Code
FM-TOOLBOX-SET-002

