

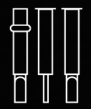


INSTALLATION AND MAINTENANCE TOOLS FOR CONTACT PROBES

FEINMETALL offers a full selection of tools and accessories designed specifically for assembly and maintenance of Contact Probes and receptacles. These tools and accessories ensure effective installation and flawless contact functionality.



Tools for threaded probes



Tools for receptacles



Tools for plug-in probes



Further tools and boxes

TOOL BOXES

FM-SAMPLEBOX-07

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.

Contents of complete toolbox

- Samples of F175...SP
- Samples of F730...SP
- Samples of F731...SP
- Samples of F732...SP
- Samples of F733...SP
- Samples of F773...SP
- Samples of F100...SP
- Samples of F737...SP
- Samples of F756...SP
- Samples of F885...SP

Order code
1028164 - FM-SAMPLEBOX-07



FM-TOOLBOX-SET-001 - 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
1010467 - FM-TOOLBOX-SET-001 (complete tool box)
1004750 - FM-TOOLBOX (empty tool box)



FM-TOOLBOX-SET-002 - Cordless screwdriver set

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 shows how to mount a receptacle with a projection height of 5.6 mm.

Contents of complete toolbox

- 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
1022852 - FM-TOOLBOX-SET-002



FK50-SET-01 - Spring force gauge

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

Order code
1147834 - FK50-SET-001



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TOOLS FOR THREADED PROBES (FWZ)

Signal tools for mounting specific switch probes (FWZ..SA)

- FWZ...SA tools mount and adjust switch probes.
- Signal light shows switching position when circuit closes.
- Detection during probe screwing and DUT presence.

Order code
FWZ888SA for probe F888 with ball tip
FWZ880SA for probe F880



Different types of handles

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.

Type	GS300 with wrench size 3 mm (green)	GS400 with wrench size 4 mm (red)	GS500 with wrench size 5 mm (blue)
Handle (Standard)			
Handle (with ratchet)			
Bit holder (for cordless screwdriver)			

Different types of bits

Hook wrench

The hook wrench is the standard tool for all probes with square wrench sizes even if the head diameter is larger than the wrench size.

Socket wrench

The socket wrench can be used for square wrench sizes if the head diameter is smaller than the wrench size. The tool helps to assemble probes within small centers.

Screw driver

Screw drivers can be used if the contact area has any support (e.g. serrated honeycomb or slit) and the head has an integrated locking system.

Tool for Step Probes

For assembly of oversized Step Probes we have developed a special tool for applications with very limited space between the probes.

Tool for Coaxial Probes

For the mounting of large outer conductors FEINMETALL has developed a special tool that enables applications with limited space between the probes.



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TOOLS FOR PLUG-IN PROBES (FDWZ)

Insertion tools for plug-in contact 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.

Order code
1052633 - FDWZ-039 (1.00mm / 39mil)
1003576 - FDWZ-050 (1.27mm / 50mil)
1003587 - FDWZ-075 (1.90mm / 75mil)
1003566 - FDWZ-100 (2.54mm / 100mil)



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TOOLS FOR RECEPTACLES (FEWZ/FZWZ)

Insertion tools for receptacle mounting

For receptacles must be fully inserted use FEWZ-...E0 tools for mounting.

- The guiding pin stabilize and align the receptacle.

For receptacles with press ring which require a fixed projection height.

- FEWZ-...Ex tools set projection height „x“ indicates height.
→ Example: FEWZ-100E46 = 4.6mm.

Adjustable tools FEWZ-...EV for varying heights.

- Quick mounting, prevents damage.
- Adjustable between 0-12mm.

Alignment tools for twist proof receptacle mounting

- Twist-proof probes: spade plunger and slotted receptacle.
- Receptacle aligned, probe inserted afterward.
- FAWZ tools align slotted receptacles.
- Spade end fits slots, flange aids alignment.
- Tools: handle (GSFAWZxx), probe bit (ASxxx).

FZWZ-SET-001 - Removal tool for receptacles

- Removal tool allows receptacles to be removed without damaging the bore.
- Works for broken receptacles or when back removal isn't possible.

Assembly

- Handle with screw-nut (GSFZWZ)
- Guiding sleeve (HZ)
- Thread insert (BZ)

Order codes
1147833 - FZWZ-SET-001 (complete tool box)
1030290 - GSFZWZ (empty tool box)



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FURTHER ACCESSORIES

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.

Order code
1012276 - 32001 (max. tip diameter 4.15mm)
1026119 - 32002 (max. tip diameter 2.30mm)
1026100 - 32003 (Blocking Tester Set includes the 32001+32002)



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FEINMETALL
Contact Technologies

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