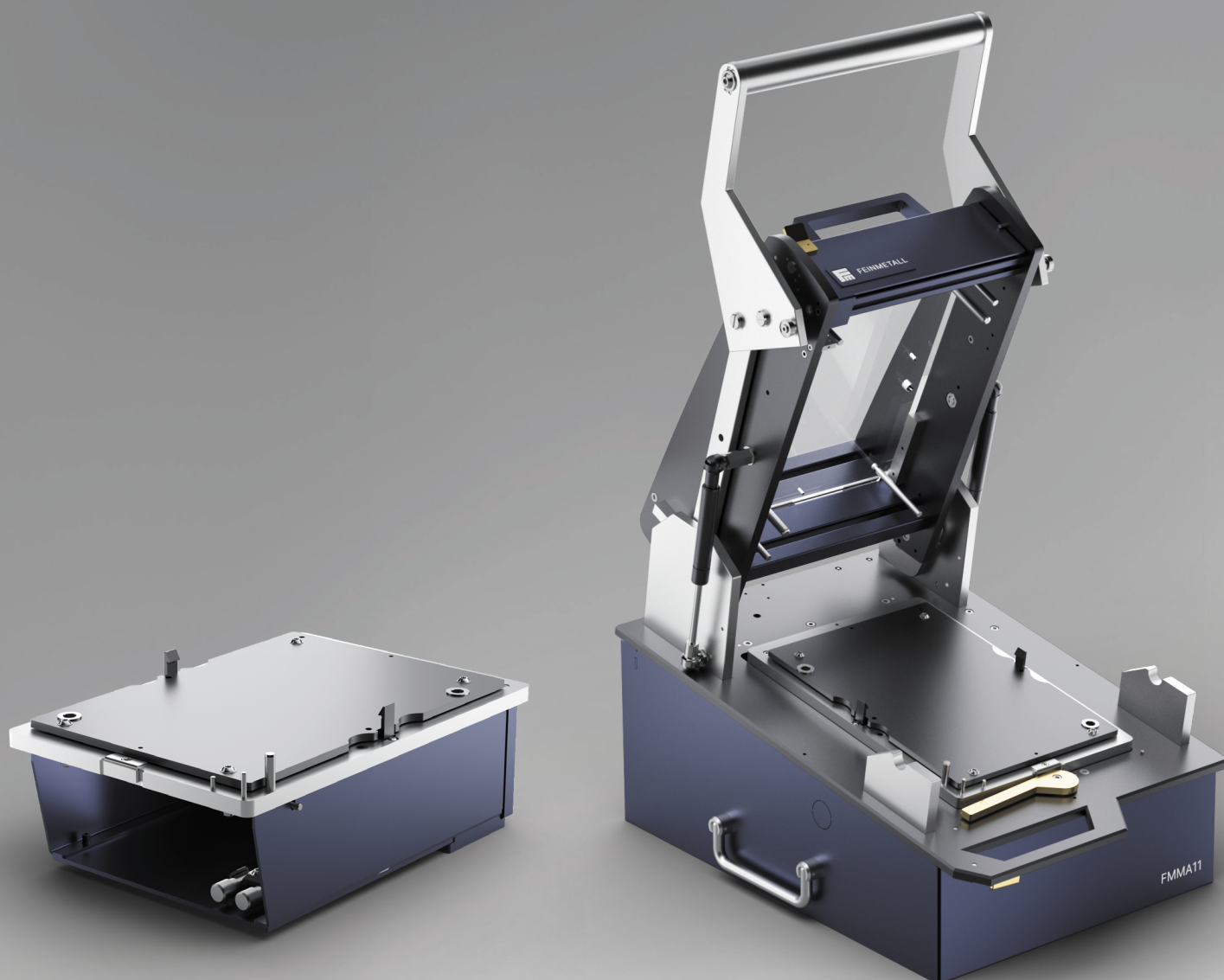




FEINMETALL

Contact Technologies



ASSEMBLY INSTRUCTIONS

Mechanical interchange systems
FMWK11 | FMWK12 | FMWK13

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PARTS LIST

FMWK11

Quantity	SAP code	Description
1	1179395	Push down plate FMWK11
2	1179385	Guiding bolt FMWK-X
4	1179397	Push down finger FMWK
1	1179468	Handle, straight, aluminium, 134x12.2x40 mm
4	1179444	Cylinder screw ISO 14579, M3x18, TX
2	1179445	Cylinder screw ISO 14579, M4x16, TX
2	1179447	Cylinder screw ISO 14579, M5x16, TX
1	1179399	Pin plate FMWK11
1	1179478	Moving plate FMWK11
2	1179402	Lock bar moving plate FMWK
4	1179384	Guide bolt FMWK
2	1179401	Framebolt FMWK
1	1179388	Cassette sheet left FMWK11-12
1	1179390	Cassette sheet right FMWK11-12
1	1179405	Interface cassette FMWK11
1	1179392	Needle protection plate FMWK11
1	1179410	Angle Pin plate FMWK
1	1179407	Interface support FMWK11
2	1179409	Safety pin FMMA
4	1179475	Bushing 8x10x10
2	1179476	DU-bushing 8x10x15x5,5
2	1179471	Flange head screw ISO 7380 FL M3x8, TX
1	1179465	Thread insert M3 Typ 4
1	1179467	Disc brass D=10mm T=1mm
6	1179474	Pressure spring 0,9-9,9-16,5
1	1179386	Cable clip 2x d8
2	1179454	Thread insert M6 type 2
4	1179472	Flange head screw ISO 7380 FL M4x12 TX
1	1179440	Cylinder pin ISO 8734 - 6x30
1	1002630	Cylinder pin ISO 8734 - 3x16
1	1002638	Cylinder pin ISO 8734 - 3x24
1	1179466	Countersunk screw ISO 14581 - M3x12 TX
2	1179470	Flange head screw ISO 7380 FL M3x10-TX
12	1179441	Cylinder screw ISO 14579, M3x14, TX10
1	1179469	Flange head screw ISO 7380 FL M3x6, TX
1	1179473	Flange head screw ISO 7380 M4x20 TX
2	1179442	Cylinder screw ISO 14579, M3x16, TX10
2	1002629	Cylinder pin ISO 8734 - 3x14
2	1002628	Cylinder pin ISO 8734 - 3x12
2	1002643	Cylinder pin ISO 8734 - 4x16
2	1179446	Cylinder screw ISO 14579, M5x12, TX

PARTS LIST

FMWK12

Quantity	SAP code	Description
1	1179395	Push down plate FMWK12
2	1179385	Guiding bolt FMWK-X
4	1179397	Push down finger FMWK
1	1179468	Handle, straight, aluminium, 134x12.2x40 mm
4	1179444	Cylinder screw ISO 14579, M3x18, TX
2	1179445	Cylinder screw ISO 14579, M4x16, TX
2	1179447	Cylinder screw ISO 14579, M5x16, TX
1	1179399	Pin plate FMWK12
1	1179478	Moving plate FMWK12
2	1179402	Lock bar moving plate FMWK
4	1179384	Guide bolt FMWK
2	1179401	Framebolt FMWK
1	1179388	Cassette sheet left FMWK11-12
1	1179390	Cassette sheet right FMWK11-12
1	1179405	Interface cassette FMWK12
1	1179392	Needle protection plate FMWK12
1	1179410	Angle Pin plate FMWK
1	1179407	Interface support FMWK12
2	1179409	Safety pin FMMA
4	1179475	Bushing 8x10x10
2	1179476	DU-bushing 8x10x15x5,5
2	1179471	Flange head screw ISO 7380 FL M3x8, TX
1	1179465	Thread insert M3 Typ 4
1	1179467	Disc brass D=10mm T=1mm
6	1179474	Pressure spring 0,9-9,9-16,5
1	1179386	Cable clip 2x d8
2	1179454	Thread insert M6 type 2
4	1179472	Flange head screw ISO 7380 FL M4x12 TX
1	1179440	Cylinder pin ISO 8734 - 6x30
1	1002630	Cylinder pin ISO 8734 - 3x16
1	1002638	Cylinder pin ISO 8734 - 3x24
1	1179466	Countersunk screw ISO 14581 - M3x12 TX
2	1179470	Flange head screw ISO 7380 FL M3x10-TX
12	1179441	Cylinder screw ISO 14579, M3x14, TX10
1	1179469	Flange head screw ISO 7380 FL M3x6, TX
1	1179473	Flange head screw ISO 7380 M4x20 TX
2	1179442	Cylinder screw ISO 14579, M3x16, TX10
2	1002629	Cylinder pin ISO 8734 - 3x14
2	1002628	Cylinder pin ISO 8734 - 3x12
2	1002643	Cylinder pin ISO 8734 - 4x16
2	1179446	Cylinder screw ISO 14579, M5x12, TX

PARTS LIST

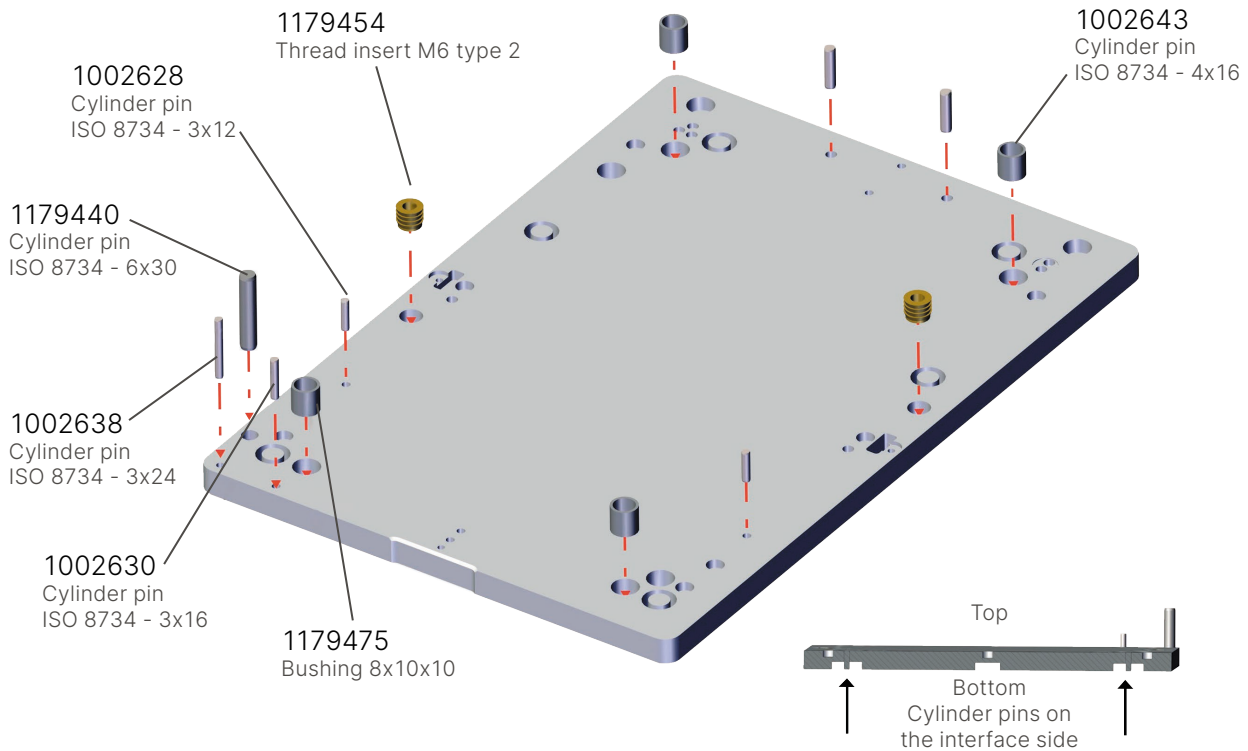
FMWK13

Quantity	SAP code	Description
1	1179395	Push down plate FMWK13
2	1179385	Guiding bolt FMWK-X
4	1179397	Push down finger FMWK
1	1179468	Handle, straight, aluminium, 134x12.2x40 mm
4	1179444	Cylinder screw ISO 14579, M3x18, TX
2	1179445	Cylinder screw ISO 14579, M4x16, TX
2	1179447	Cylinder screw ISO 14579, M5x16, TX
1	1179399	Pin plate FMWK13
1	1179478	Moving plate FMWK13
2	1179402	Lock bar moving plate FMWK
4	1179384	Guide bolt FMWK
2	1179401	Framebolt FMWK
1	1179388	Cassette sheet left FMWK13
1	1179390	Cassette sheet right FMWK13
1	1179405	Interface cassette FMWK13
1	1179392	Needle protection plate FMWK13
1	1179410	Angle Pin plate FMWK
1	1179407	Interface support FMWK13
2	1179409	Safety pin FMMA
4	1179475	Bushing 8x10x10
2	1179476	DU-bushing 8x10x15x5,5
2	1179471	Flange head screw ISO 7380 FL M3x8, TX
1	1179465	Thread insert M3 Typ 4
1	1179467	Disc brass D=10mm T=1mm
6	1179474	Pressure spring 0,9-9,9-16,5
1	1179386	Cable clip 2x d8
2	1179454	Thread insert M6 type 2
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1	1002638	Cylinder pin ISO 8734 - 3x24
1	1179466	Countersunk screw ISO 14581 - M3x12 TX
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2	1002628	Cylinder pin ISO 8734 - 3x12
2	1002643	Cylinder pin ISO 8734 - 4x16
3	1179446	Cylinder screw ISO 14579, M5x12, TX

PREPARATION

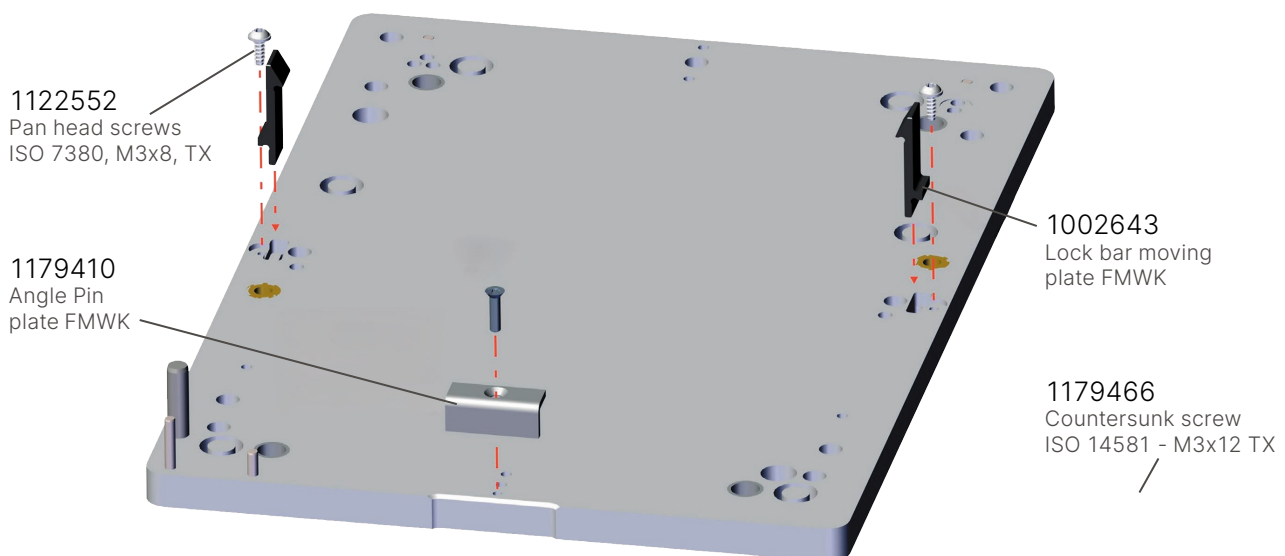
1. PIN CARRIER PLATE

For Step 1 of the preparation, please use the enclosed Bag 1.



First, the sleeves and Tappex threaded inserts must be pressed in using a toggle press. Next, the front three pins are also pressed into the pin carrier plate.

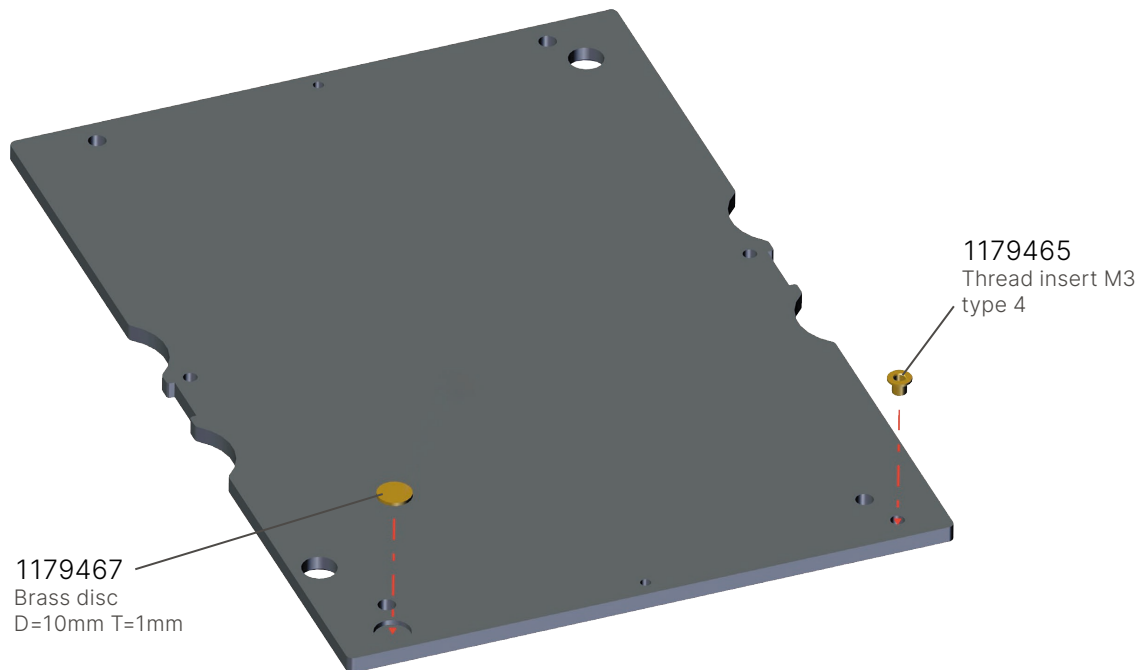
Caution: Not all three holes are through holes. In the holes that are through holes, the pins must be pressed in flush. The rear two pins must be pressed in so that they are flush on the top side. See image!



2. MOVING PLATE

ESD Preparation

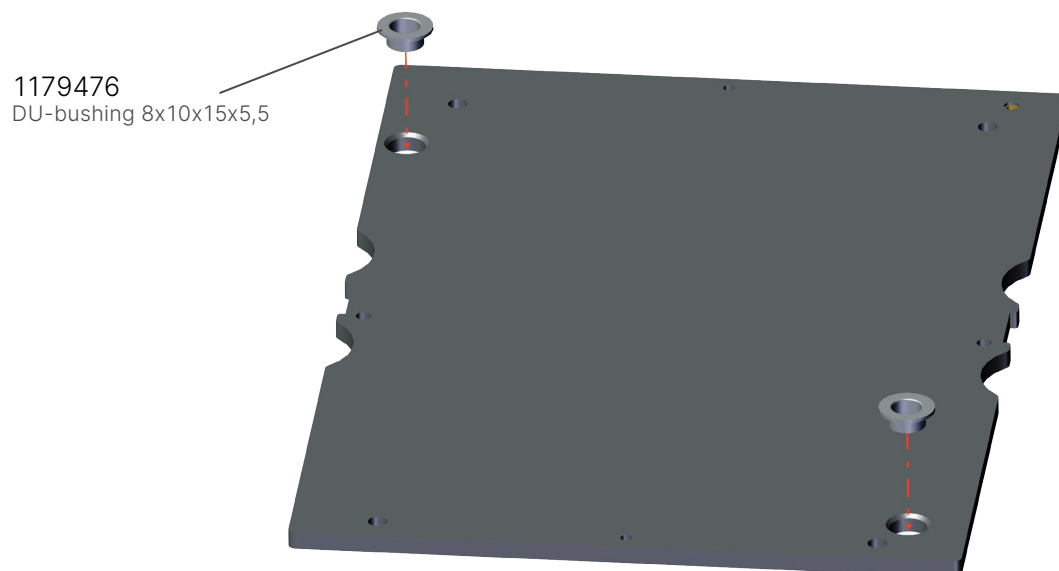
For this step, please use the “ESD Triple Star” bag. Instructions for installing the threaded insert and the brass disc can be found in the bag for the ESD 3-star set.



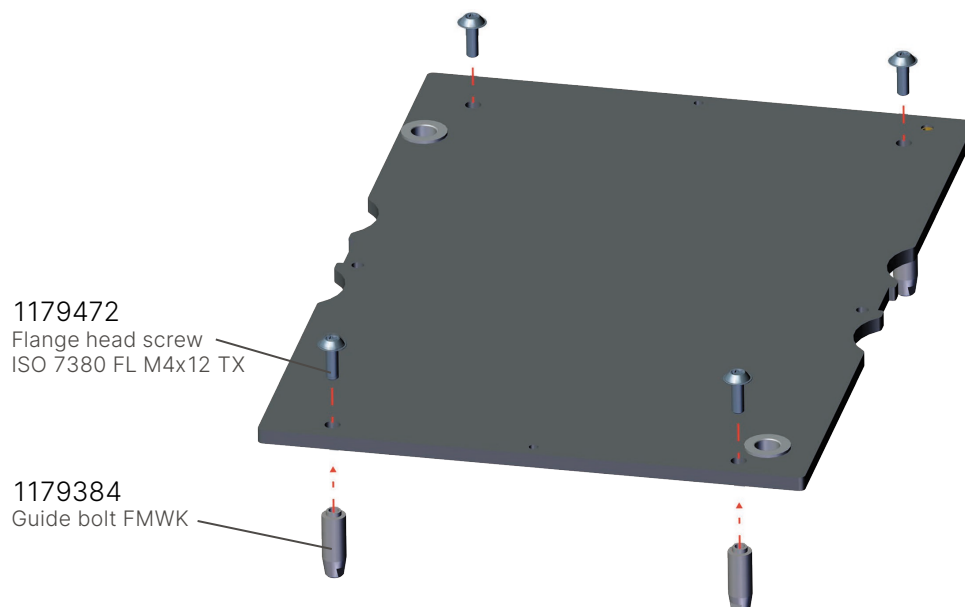
PREPARATION

2. MOVING PLATE

For Step 2 of the preparation, please use the enclosed Bag 2.



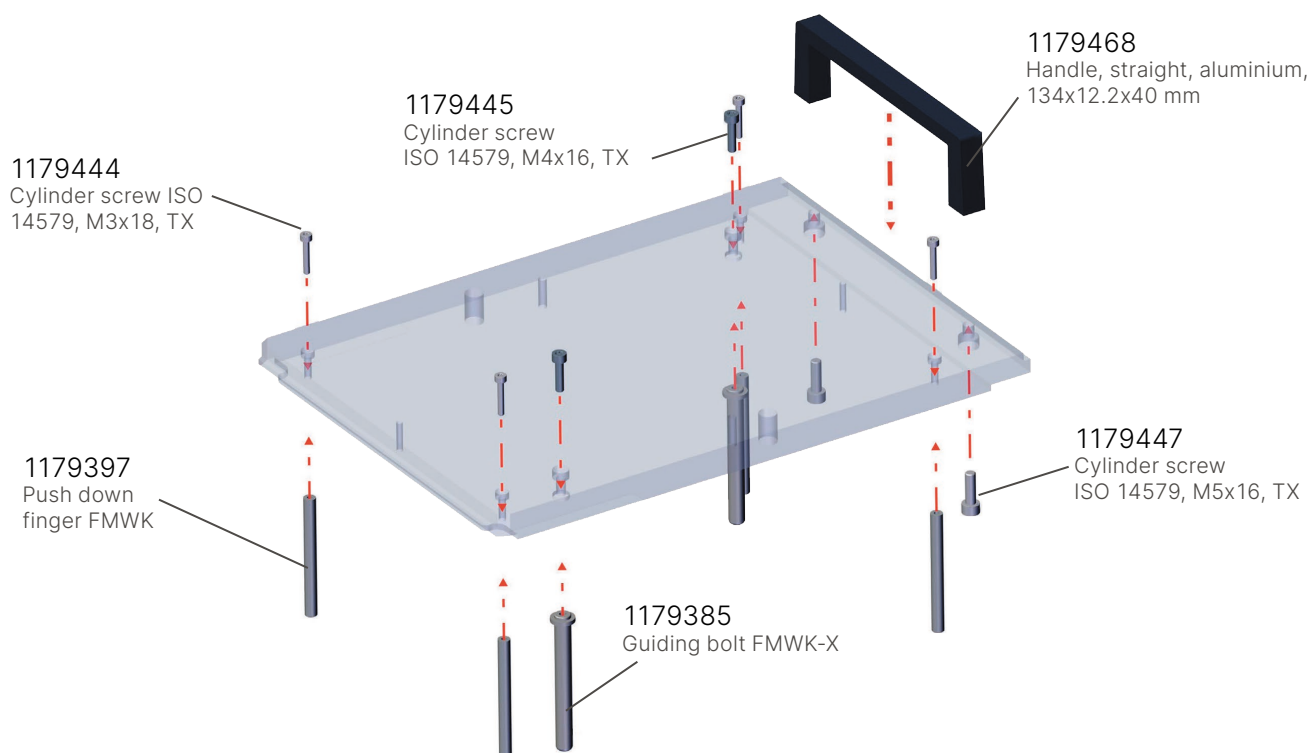
Next, the two nut bushings are pressed into the moving plate using a toggle press.



After that, the guide bolts are mounted to the board support plate using the corresponding flange-head screws.

3. PUSH DOWN PLATE

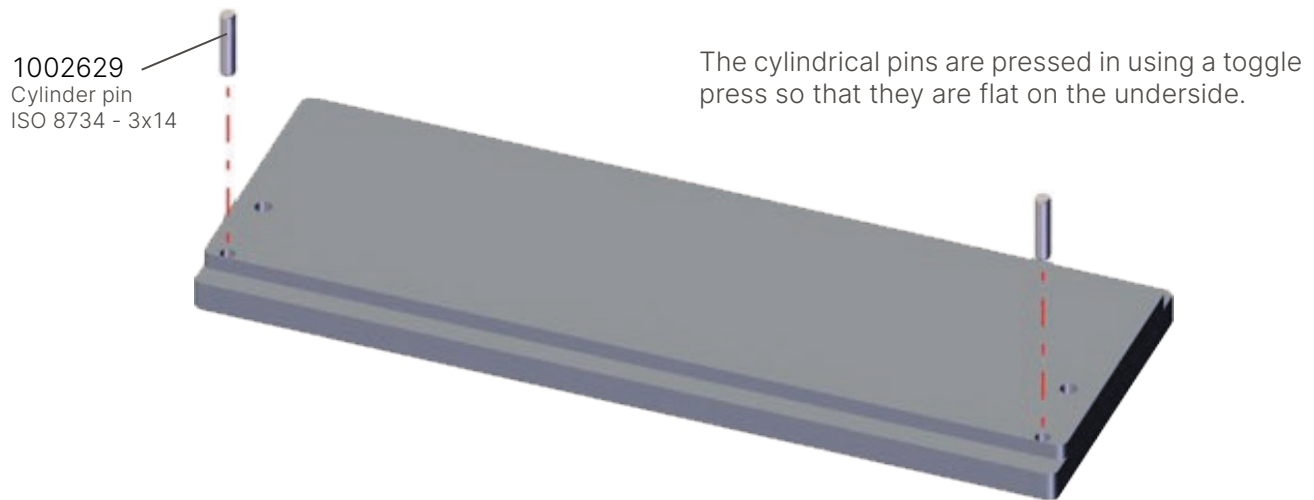
For Step 3 and 4 of the preparation, please use the enclosed Bag 3.



Then, the Push down fingers are attached to the push down plate using the cylinder screws. The handle is mounted from the underside of the push down plate using the included screws.

4. INTERFACE

Interface preparation and interface reinforcement

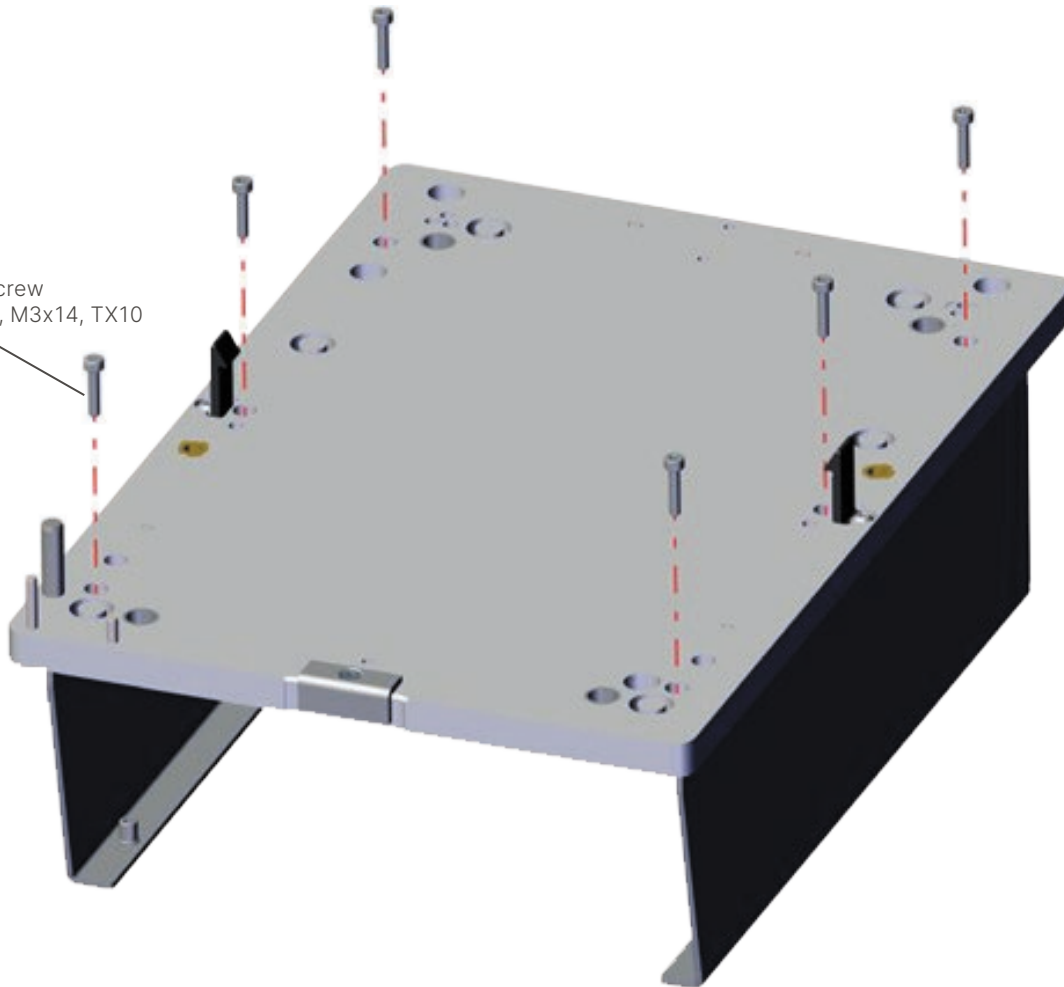


SECURING THE FRAME ON THE SIDES

For all of the following assembly steps, please use Bag 4.

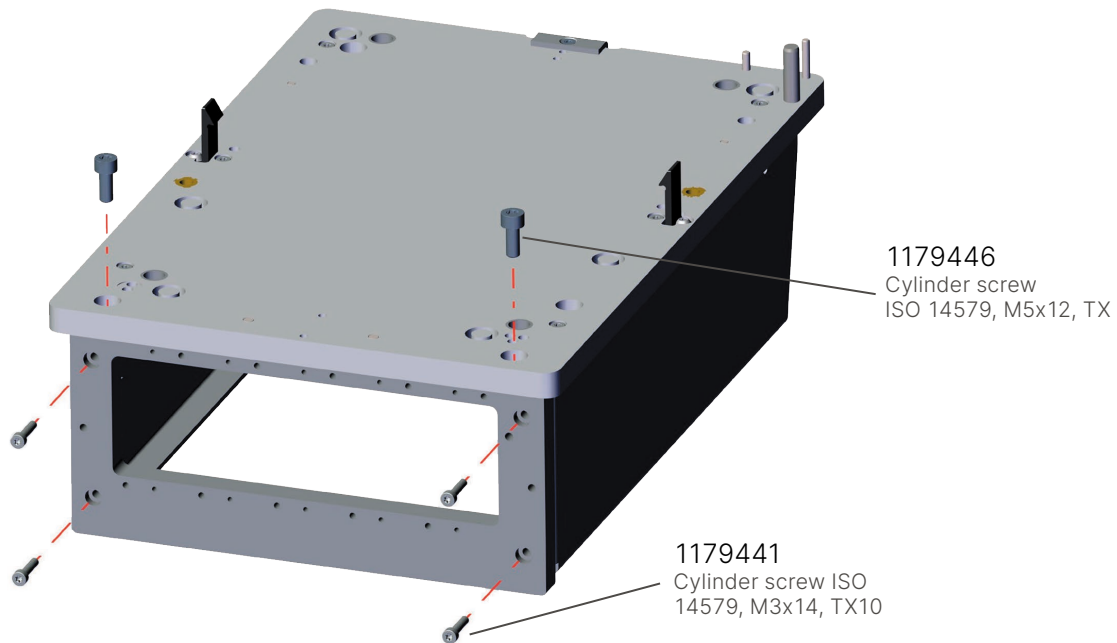
Note: For the following steps, tighten the screws only slightly at first and then tighten them fully at the end.

1179441
Cylinder screw
ISO 14579, M3x14, TX10

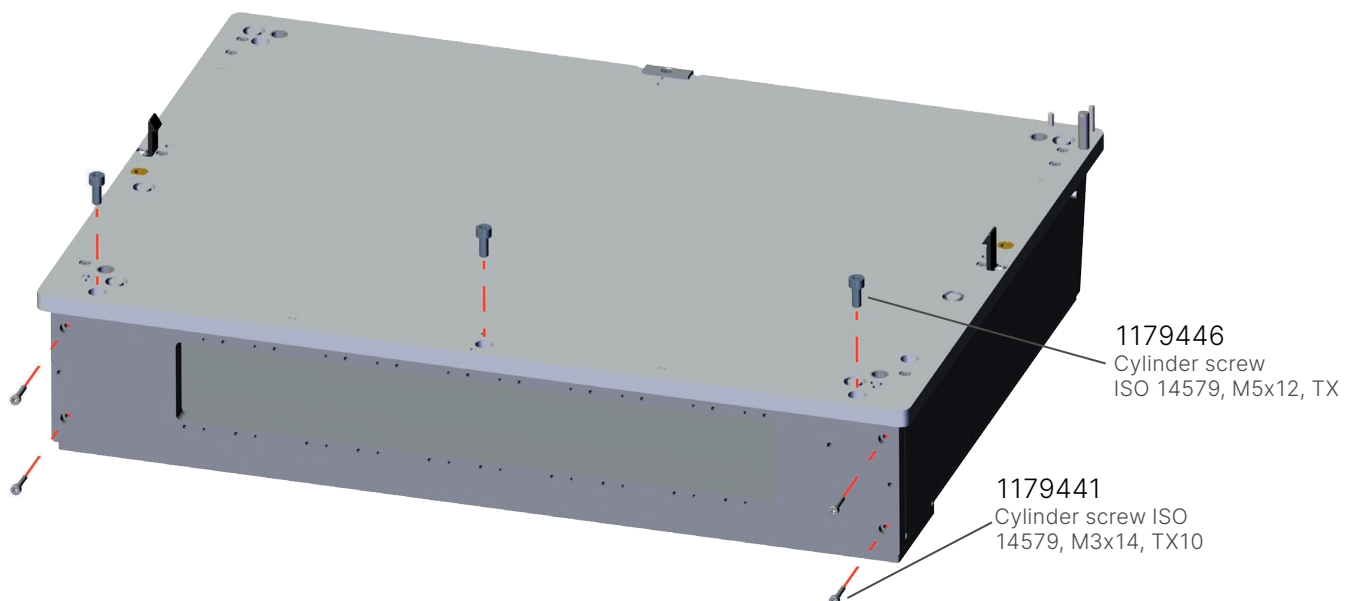


SECURING THE INTERFACE

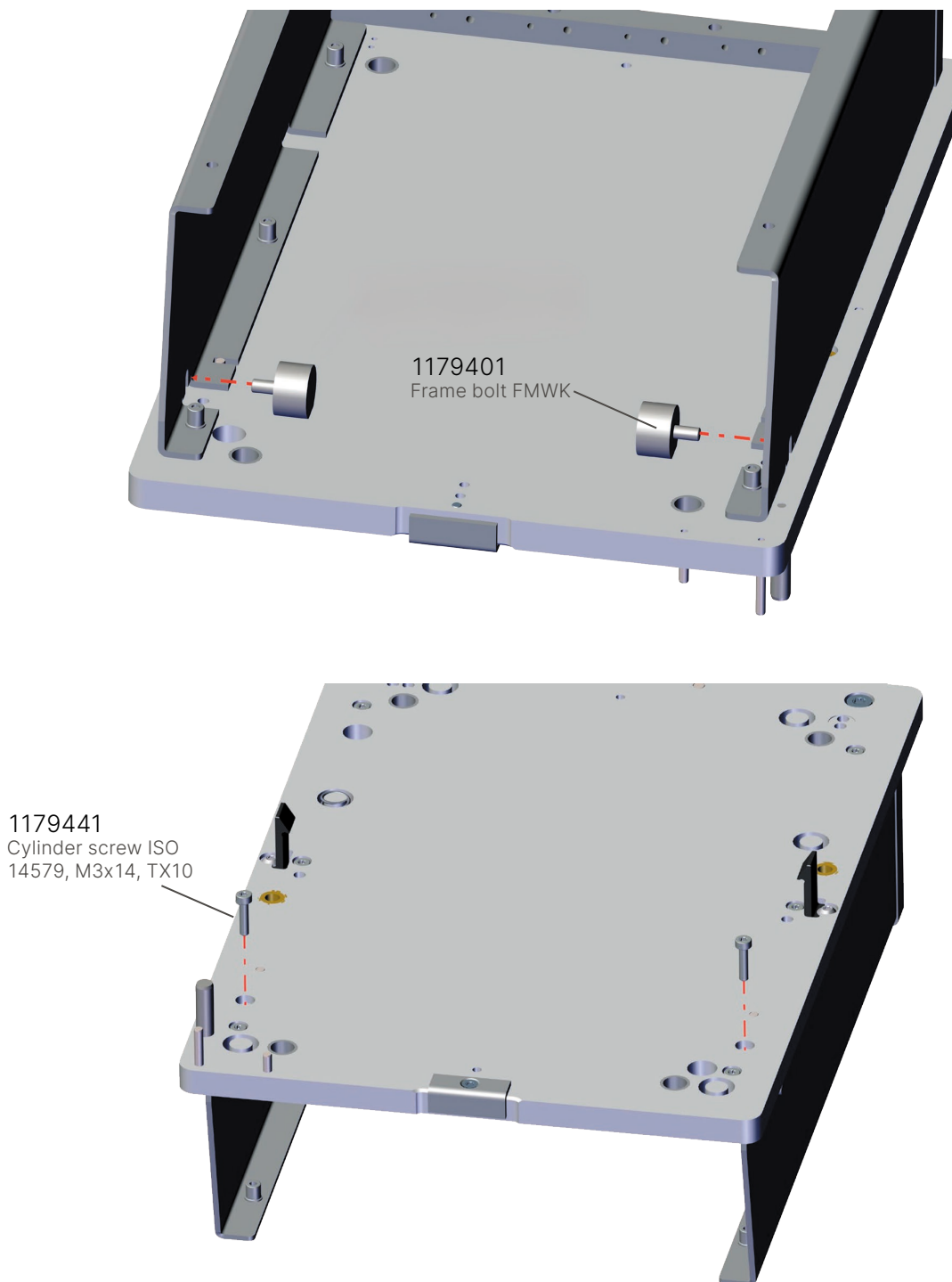
This step applies to FMWK11 and FMWK12.



This step applies to the FMWK13 (this version has one additional screw at the interface).



SECURING THE FRAME BOLTS

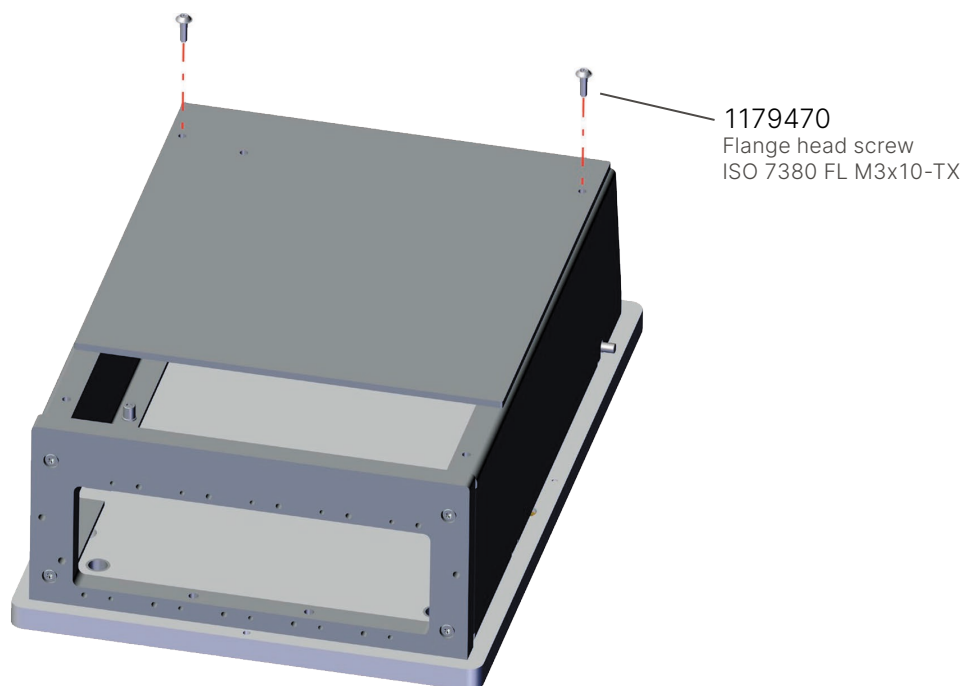


Next, secure a frame bolt on each side of the pin carrier plate—one on the right and one on the left - using a cylinder head screw.

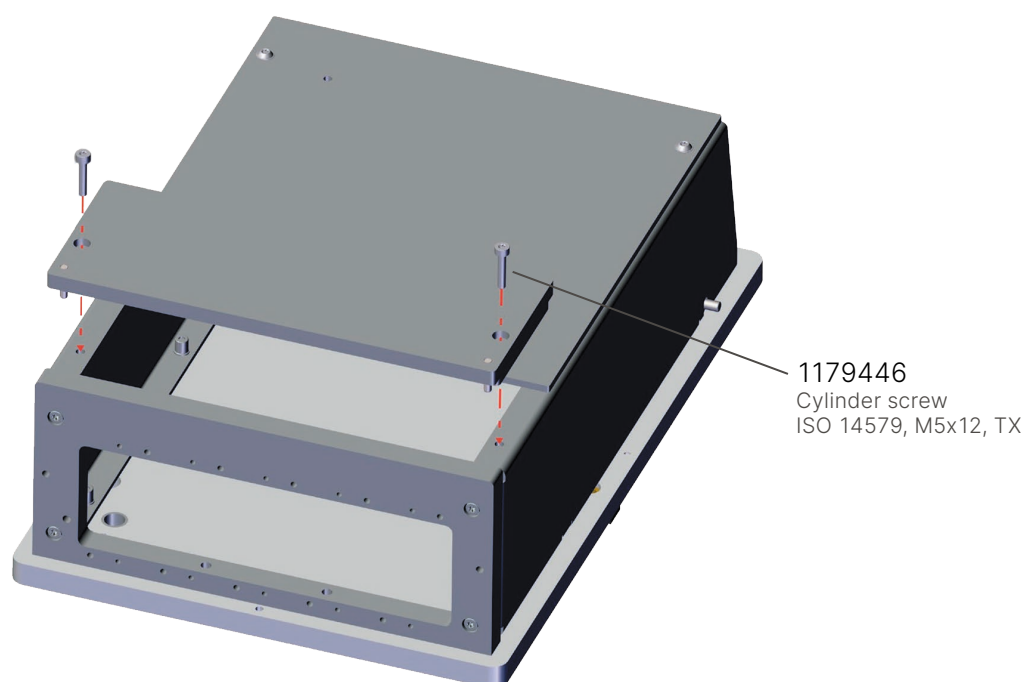
Note: These screws can be tightened immediately.

MOUNTING OF THE NEEDLE PROTECTION PLATE

This step applies to FMWK11 and FMWK12.



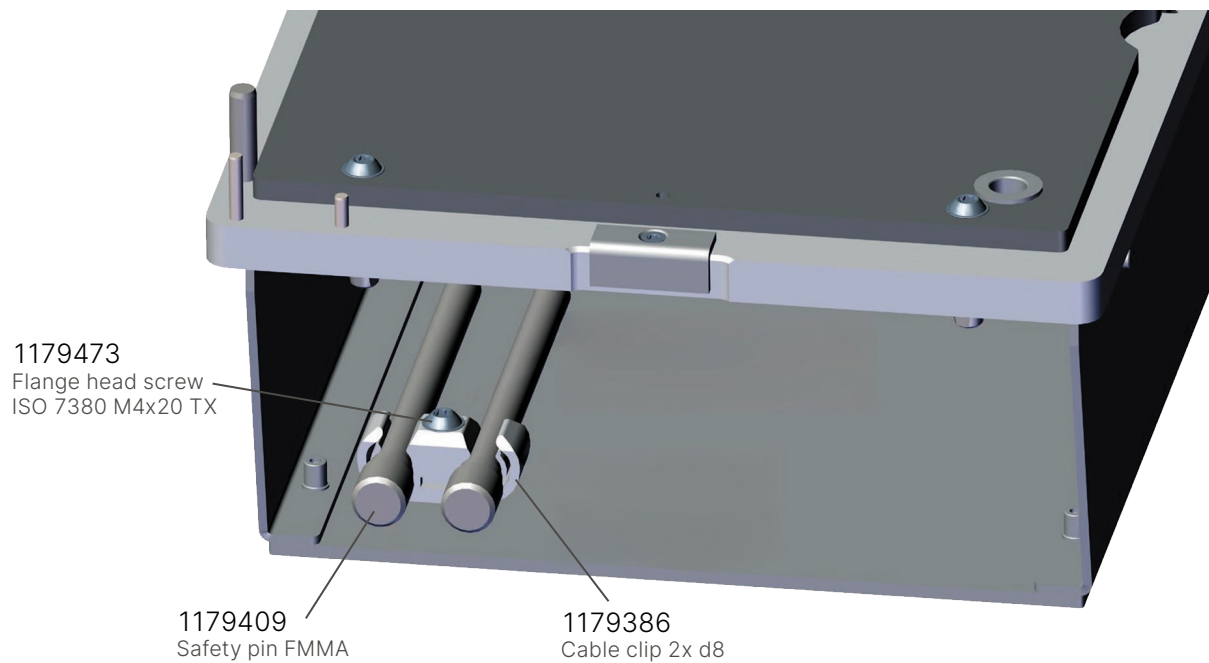
MOUNTING OF THE INTERFACE SUPPORT



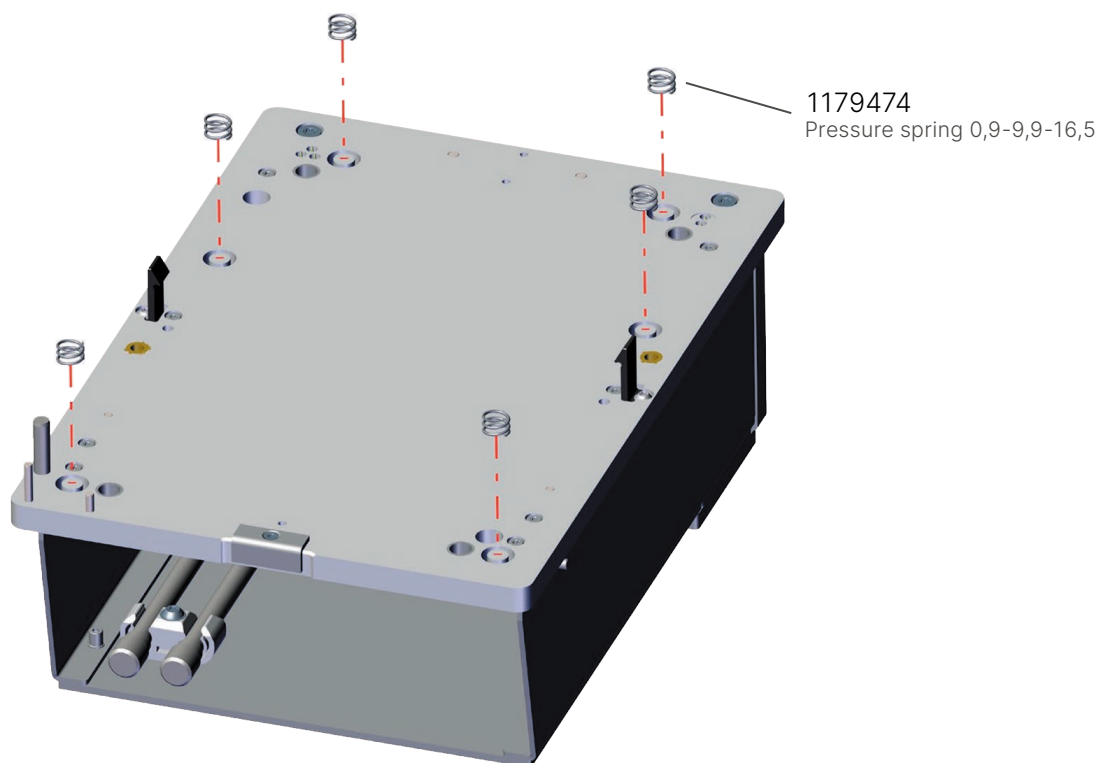
Now tighten all the bolted parts securely.

MOUNTING THE LOCKING PIN BRACKET

This step applies to FMWK11 and FMWK12.

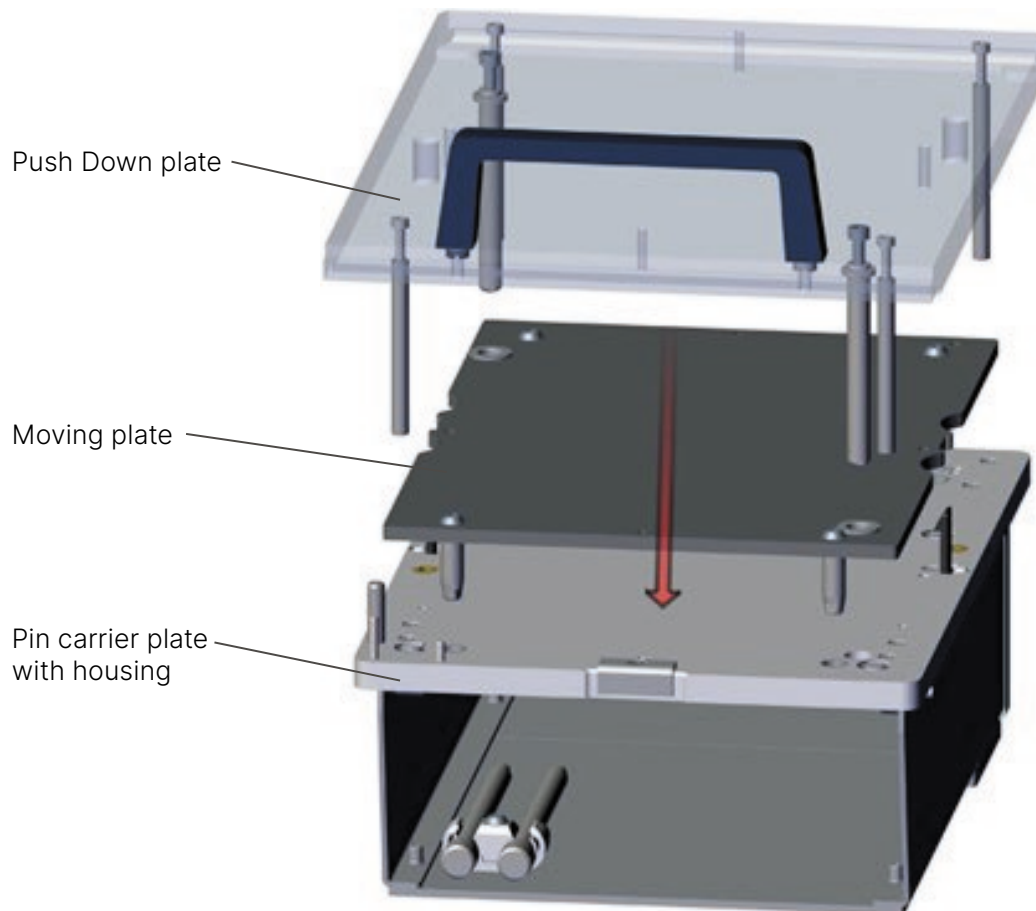


INSERTING THE SPRINGS



COMPLETE ASSEMBLY

All the prepared assemblies are now being put together.



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