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## Installation Instructions for Grab Bars B-9806 and B-9807 with “Through-Fix” - Installation from the opposite side of the partition-panel



To ensure user, installer, and product safety, please use cut-resistant gloves before handling any material prior to installation.

### Required Tools and parts

- A. Bobrick “Through-Fix” - Installation Kit, part no. 9806-21, comprising of
  - a. Stainless Steel “Through Fixing” (shoulder washer with metric M8-thread inside)
  - b. 2 pairs of “Through-Fix” PU-shoulder-washers
    - i. Needed primarily for partitions with sensitive surfaces or glass-partitions to protect the surface from any scratches and prevent potential glass-breakage
  - c. 2 pcs. of grub screws M8x30mm for partitions between 10mm and 17mm panel thickness
  - d. 2 pcs. of grub screws M8x40mm for partitions between 17mm and 26mm panel thickness
  - e. 2 pcs. of grub screws M8x50mm for partitions between 26mm and 35mm panel thickness
- B. Spanner (preferably ring end) 13mm (similar to ½")
- C. Laser/Spirit level
- D. Allen wrench no.7 (4mm)
- E. Drill for hole of 16mm (5/8")

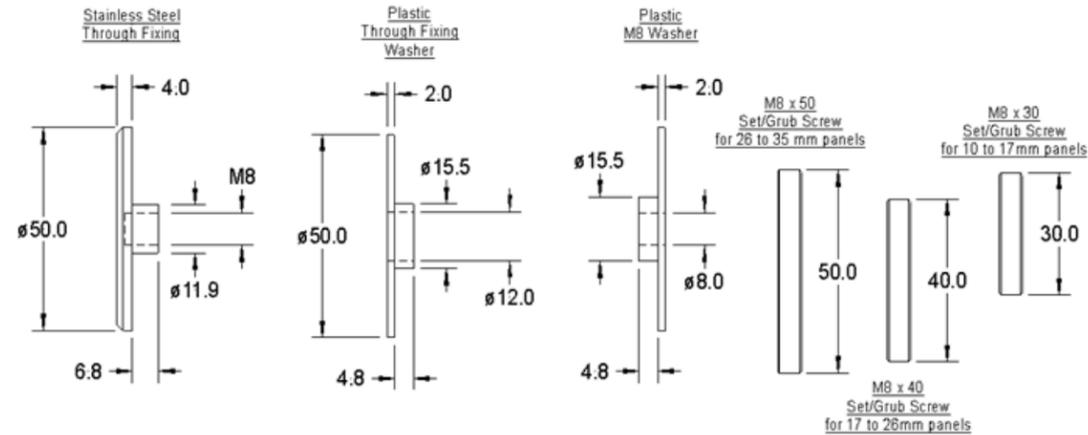
**NOTE:** for Glass-Partitions, please inform the partition-manufacturer for respected hole size accordingly



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**“Exploded” overview of “Through Fix” Mounting Kit (dimensions in mm):**



1. Securely fix flange-bases to panel at correct pitch (18"/24"/36"/42") using the appropriate fixings. Ensure a minimum of 6" from corners/returns so that a spanner can be used later.

2. Drill a pair of holes 16mm (5/8") through the panels for the grub screws going through the partition-panel. Use centre of flange base as template to mark drilling points

**NOTE:** for Glass-Partitions, please inform the partition-manufacturer for respected hole size accordingly

3. For Metal- or Glass-partitions or partitions with sensitive surfaces put the PU-shoulder-washers into the holes with the shoulder facing into the hole - 1 pcs. from each side of the holes. For partition with less sensitive surfaces, PU-washers can be disregarded.

4. Mount flange bases against Through Fixes.

a. Thread the grub screw into the Through Fix - shoulder washers

b. Chose the right length of available grub screws for the respected panel thickness.

c. To make sure grub screw is fully tightly threaded into the Through Fix, use Allen wrench no. 7

d. Ideally install the Through Fixes against the flange bases with two people, one person from each side of the panel. If a second person is not available, tape the Through Fixes of the opposite side with the grub screws inside onto the panel on top of the hole (and PU-washer). Make sure the Through Fixes securely taped.

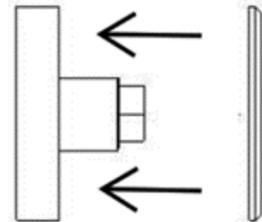
i. The grub screws will protrude out on the facing side.

e. Thread the flange bases onto the grub screw. If Through Fix on the opposite side have been taped against the panel, flange bases of the facing side needs to be applied to the grub screws only very gently to prevent the opposite Through Fixes from falling off the panel.

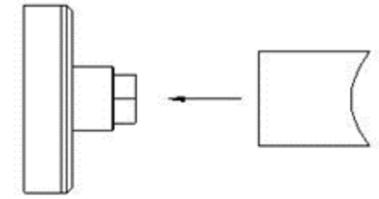
f. Pull at the flange bases when tightening the flange bases against each other.

g. Eventually use a 13mm (similar to 1/2") spanner and apply at the flange bases' hex-portion to fully tighten the opposite flange bases against each other.

5. Fit the flange covers on the flange bases with the bevelled edge facing out.



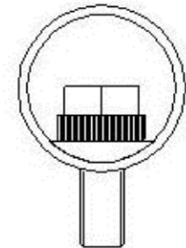
6. Place Pillars on all four flanges with flat end to flange (flange cover).



7. Fit Bolt (M8 Screw) & Knurled Washer through Half-Moon Washer.



8. With the slots in the tube facing down, pass the thread of the bolt (M8 Hex Screw) through the slot in either end of the tube from the inside. Hold the tube and gently twist to help the bolt (M8 Hex screw) pass through the slot. Repeat for other end of the tube while keeping the slots facing down to avoid losing the part just fitted. Make sure the shape of the half-moon washer is aligned with the inside diameter of the tube.



9. Push both threaded bolts (M8 Hex Screws) into flange end hole and finger tighten using the knurled washer on the bolt (M8 Hex Screw). Ensure the radius on the pillar matches the radius of the tube.

Tighten both ends with the ring end of a 13mm spanner making sure not to damage the tube with the spanner. Fit end caps making sure to locate the screwdriver release recess facing down out of casual observation.