



## Installation Instructions for Grab Bars B-9806 and B-9807 Back-to-Back



### Required Tools and Parts

- A. Bobrick “back-to-back” Installation Kit, part no. 9806-22, comprising of
  - a. 2 pairs of “back-to-back” 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
  - b. 2 pcs. of grub screws M8x40mm for partitions between 10mm and 20mm (3/8" and 3/4") panel thickness
  - c. 2 pcs. of grub screws M8x50mm for partitions between 20mm and 30mm (3/4" and 1-1/8") panel thickness
  - d. 2 pcs. of grub screws M8x60mm for partitions between 28mm and 38mm (1-1/8" and 1-1/2") panel thickness
- B. Spanner (preferably ring end) 13mm (similar to ½")
- C. Laser/Spirit level
- D. Drill for hole 16mm (5/8")

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



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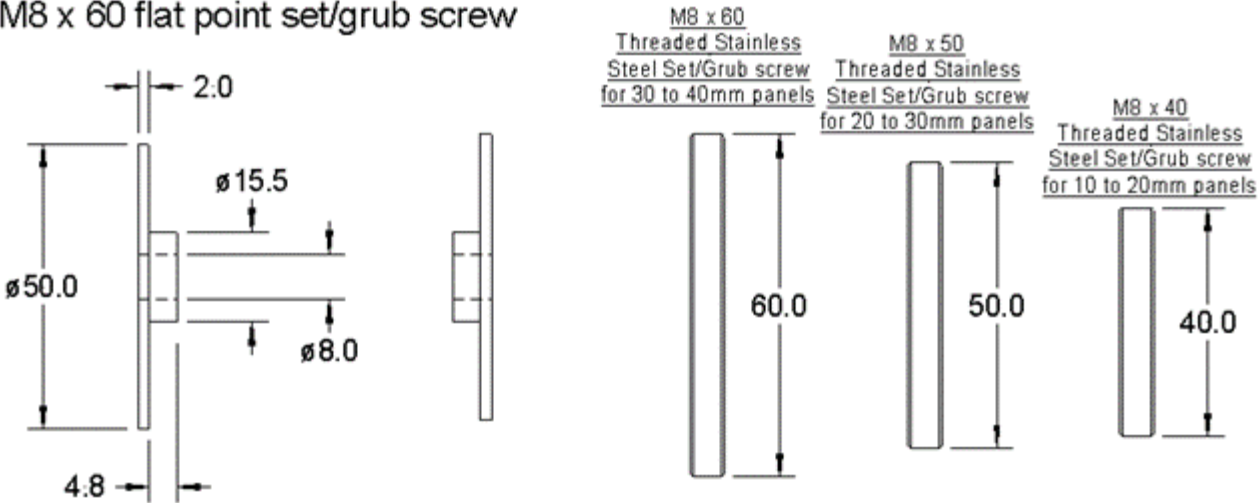
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**“Exploded” overview of "Back-to-Back" Mounting Kit (dimensions in mm) :**

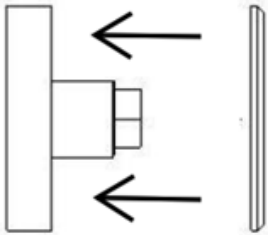
Kit contains :  
 4 Back to Back washers (2 pairs)  
 2 M8 x 40 flat point set/grub screw  
 2 M8 x 50 flat point set/grub screw  
 2 M8 x 60 flat point set/grub screw



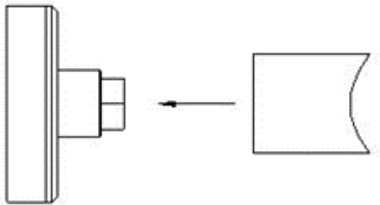
- Securely fix flange-bases to panel at correct pitch (18"/24"/36"/42") using the appropriate fixings. Ensure a minimum of 6" from corners/returns so that a spanner can be used later.
- Drill a pair of holes of 16mm (5/8") through the panels for the grub screws going through the partition-panel. Use centre of flange base as template to mark drilling points

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

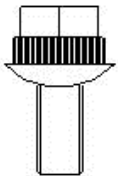
- For Metal- or Glass-partitions or partitions with sensitive surfaces put the PU-shoulder-washers into the holes with the shoulder facing into the hole – 1 pcs. from each side of the holes. For partition with less sensitive surfaces, PU-washers can be disregarded.
- Mount flange bases against each other.
  - Chose the right length of available grub screws for the respective panel thickness (see list above).
  - Thread the grub screws (non-hex end) into each one of the two opposite flange bases.
  - Do not put the grub screws deeper than max. 3/8" into the flange base. The screw will tighten at the correct position.
  - Ideally install the flange bases with two people, one person from each side of the panel. If a second person is not available, tape the flange bases of the opposite side with the grub screws inside onto the panel on top of the hole (and PU-washer). Make sure the flange bases are securely taped.
    - The grub screws will protrude out on the facing side
  - Thread the other flange bases ( the ones without the screw inside ) onto the grub screw. If flange bases 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 flange bases from falling off the panel.
  - Pull at the flange bases when tightening the flange bases against each other.
  - 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.
- Fit the flange covers on all four flange bases with the bevelled edge facing out.



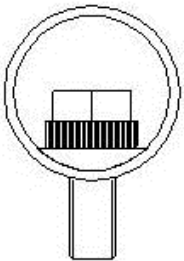
- Place Pillars on all four flanges with flat end to flange (flange cover).



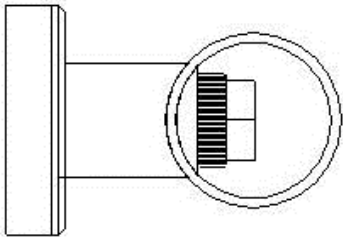
- Fit Bolt (M8 Screw) & Knurled Washer through Half-Moon Washer.



- 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.



- 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.