

Bi-Fold Bolster Bar



Installation guide

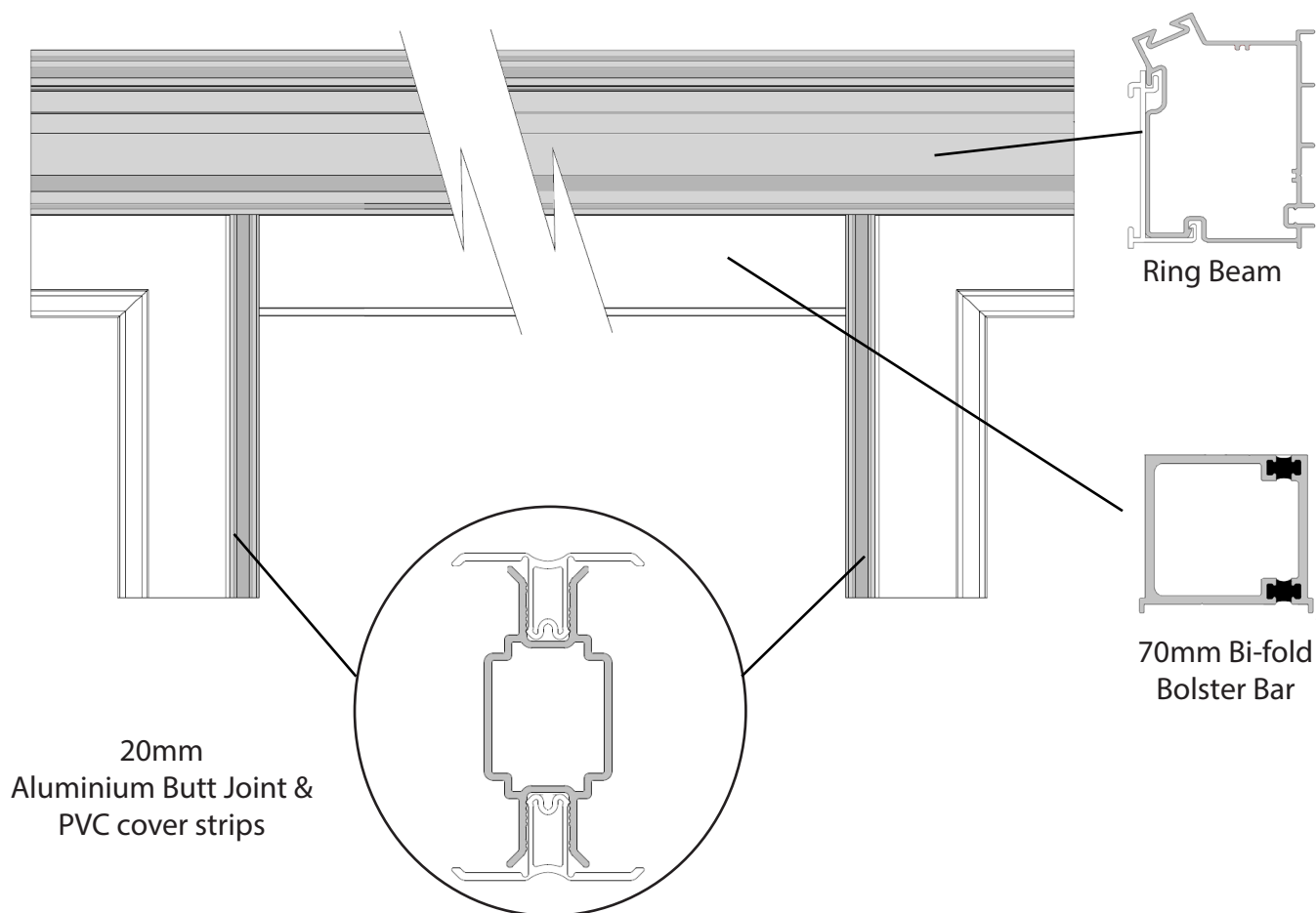
What is a Bi-fold bolster bar?

A Bi-fold Bolster Bar is a 70mm powder coated, heavy duty aluminium bolster that is crucial to the structural integrity of your conservatory. If your conservatory requires a bolster bar this will have been determined by the technical team and included with your order.

The Bi-fold Bolster Bar sits between the top of your Bi-fold door, and the underside of the roof Ring Beam that sits above. The Bolster sits in between two 20mm aluminium vertical Butt Joints to create a 'Goal Post' effect support system for your conservatory. See the image below.



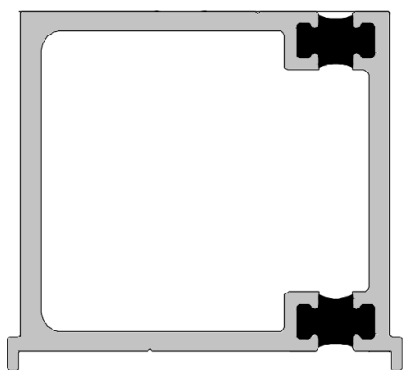
Also see the cross-section drawing of the components required below.



Summarised order of fitting

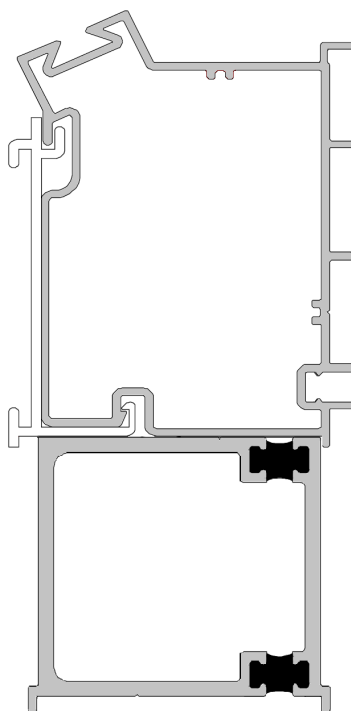
Below is a summarised order of the general stages of your installation. You will find detailed Information in the step-by-step instructions that follow.

1



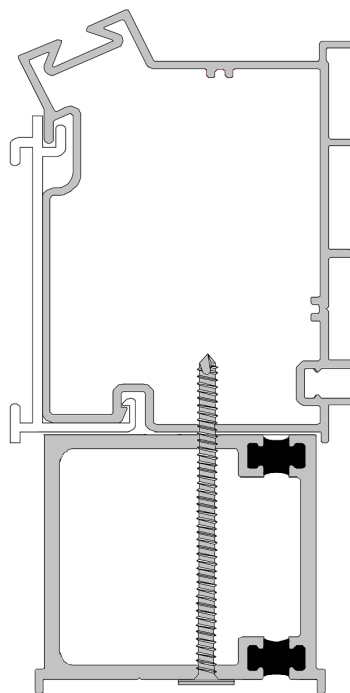
Start by determining the correct position of the Bi-fold Bolster.

2



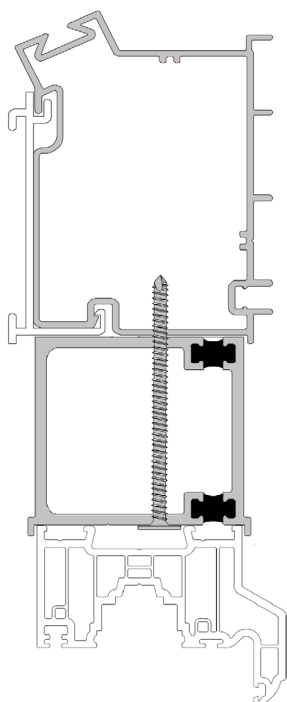
Position the ring beam on the Bi-fold Bolster.

3



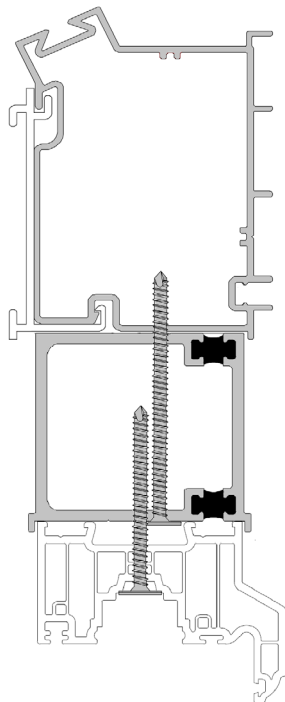
Fix the Bi-fold Bolster bar to the Ring Beam.

4



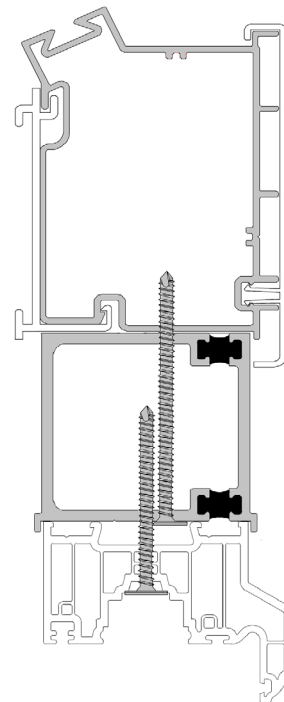
Fit the assembled Ring Beam and Bi-fold Bolster to the door frame.

5



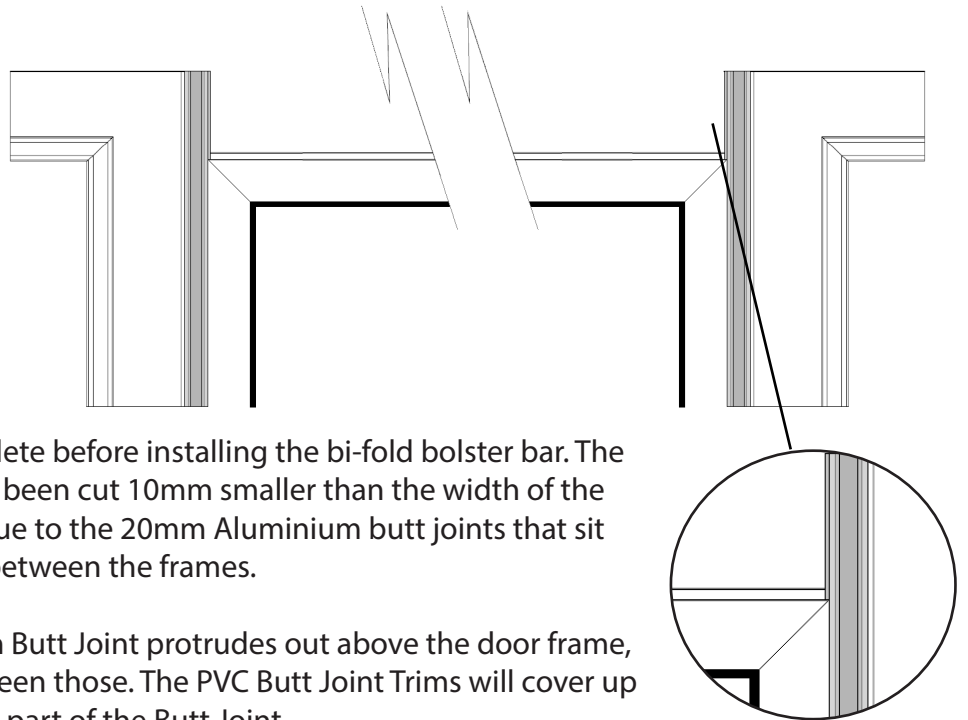
Fix through the frame into the Bi-fold bolster Bar.

6



Complete the roof installation including all PVC trims.

1&2 - Positioning the Bi-fold bolster bar & Ring Beam



Your frames should be complete before installing the bi-fold bolster bar. The Bi-fold bolster bar will have been cut 10mm smaller than the width of the Bi-fold door frame. This is due to the 20mm Aluminium butt joints that sit between the frames.

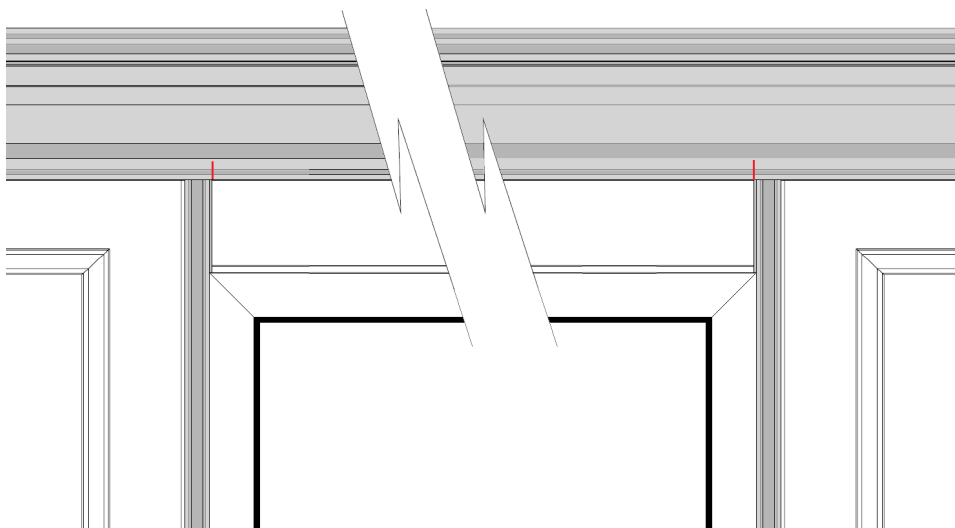
You will see that 5mm of each Butt Joint protrudes out above the door frame, the Bi-fold Bolster sits in between those. The PVC Butt Joint Trims will cover up this part of the Butt Joint.



Offer up the Bi-fold bolster and check it fits perfectly between the two Aluminium Butt Joint.



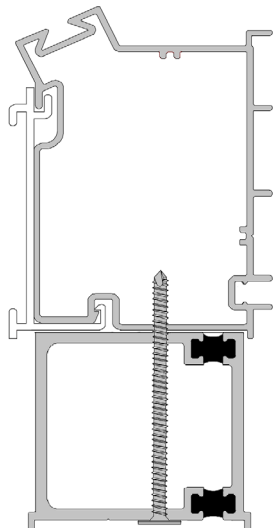
Next position the Ring Beam in place. (Refer to your roof installation guide for correct position).



With both bars in the correct position, mark on the inside of the Ring Beam where the Bi-fold Bolster bar is to be positioned.

You can use pencil, or a marker pen as the inside aluminium of the Ring Beam will be covered with a PVC trim. Or if you prefer, you could use masking tape to mark the position.

3 - Fix the Ring Beam & Bi-fold Bolster together



Now remove the Ring Beam & Bi-fold Bolster and reassemble them in a suitable area to then fix them together. Make sure you have the Bi-fold Bolster the correct way round. Have a look at the image, you will see that the black Thermal Break resin blocks on the Bolster sit towards the inside of the Ring Beam.

We recommend clamping the Ring Beam and Bi-fold Bolster together before you fix them. Using the 100mm baypole self drilling screws that were wrapped to the Bolster bar, fix up through the Bolster into the Ring Beam. Fix 50mm in from each end of the bolster, then fix in equal spacings between 300mm - 500mm.

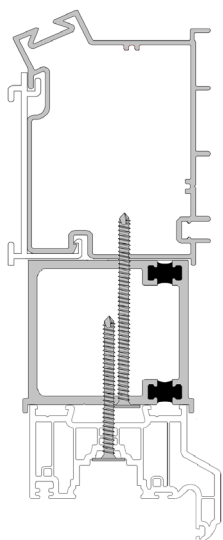


100mm baypole screws.

These are wrapped to your bi-fold Bolster Bar

It is a good idea to mark on the inside of the Ring Beam where you have installed the fixings. This is for when you come to fix the Bi-fold door to the Bolster bar, to make sure you avoid any fixings you have already installed.

4 & 5 - Fix the Ring Beam & Bolster bar to the frames



Now lift your assembled Ring Beam & Bi-fold Bolster back into the correct position.

With the bi-fold door open, fix up through the door frame into the Bi-fold Bolster above using the 70mm self-drilling screws. Alternatively you may wait, and fix these when are at the stage of the main roof structure build, when you fix up through the rest of the window frames.

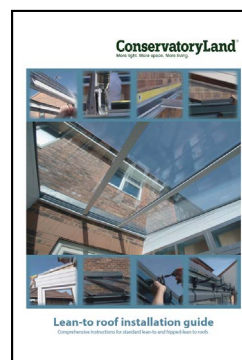
When you do fix the frame to the bolster bar, make sure you are 150mm away from any corner weld, and at no more than 500mm equal spacings in between.



70mm baypole screws.

These are found in the bag marked with red tape, that contains the rest of the fixing for your frames.

6 - Complete the rest of your main roof structure



Now follow your roof installation guide emailed to you, to complete your conservatory roof.