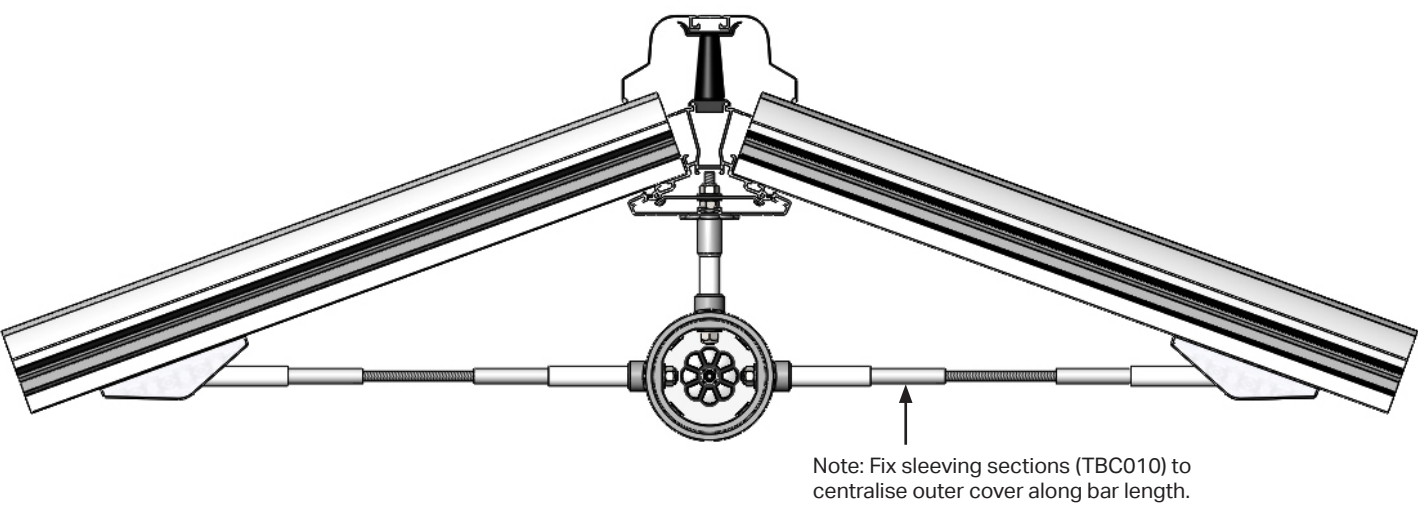
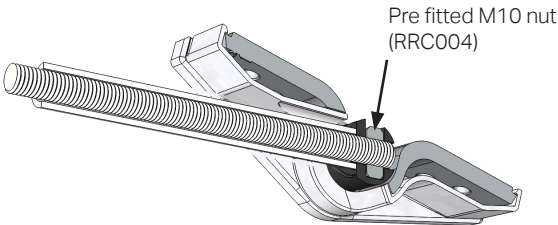


IMPORTANT - TIE-BARS MUST BE FITTED PRIOR TO GLAZING

3 way tie bar set up detail

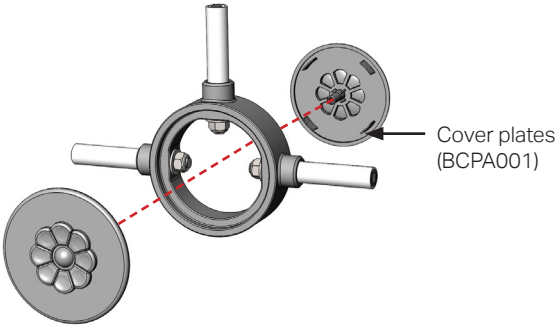


CONDUIT SLEEVES INTO BUSH



NB: Bracket not included in the tie bar pack (supplied separately or pre-attached to glazing bar)

CONDUIT INTO MAIN BOSS-COVERPLATE FITTING



- To fit simply offer plates together (through boss ring) and turn in opposite directions, ensuring plate facing turns anti-clockwise, until plates are firmly in position
- **DO NOT OVER TIGHTEN!**

CONTENTS

3 WAY TIE-BAR	QTY	3 WAY BOLT KIT	QTY
TIEA001/3	1	TBK003	1
BCPA001	1	TBN001	7
TTR001	1	TBW002	7
TBC010	9	KBC075	1
		KBS001	2
		RRC004	2

PACKING REF:

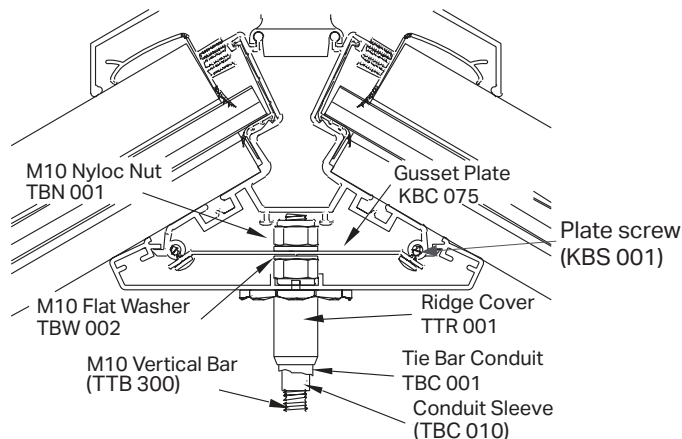
WHEN A TIE BAR IS SPECIFIED, IT IS A STRUCTURAL REQUIREMENT & MUST BE FITTED

Prior to starting installation check the ridge is level and the side frames are plumb. **THIS IS CRITICAL TO THE SUCCESS OF THE OVERALL INSTALLATION.**

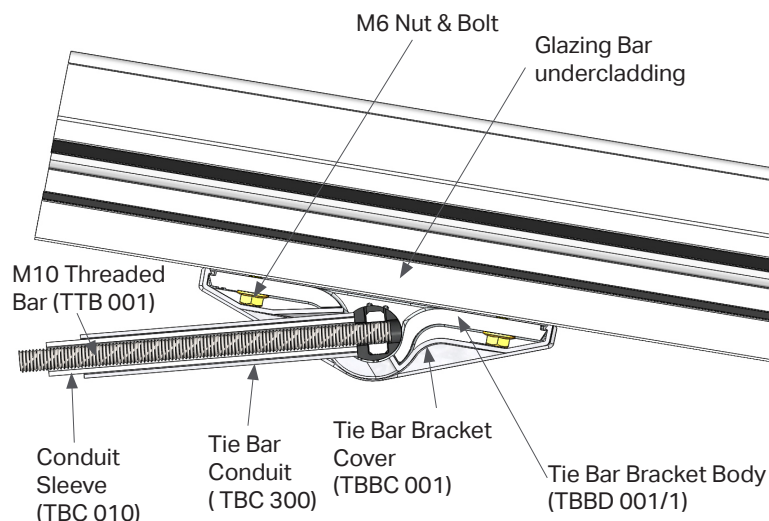
3 WAY BOSS

1. Measure the drop for the vertical threaded bar and cut to length. Attach the gusset plate to the threaded bar with the nyloc nuts provided and fit the gusset plate to the ridge body using the two screws provided. Check alignment with the pre-attached tie bar brackets.
2. Fit the pvc ridge undercladding. Drill an 11mm hole in it and clip the pvc ridge undercladding into place.
3. Measure, cut and attach the horizontal threaded bars, ensuring that the tie bar boss is central. Loosely assemble the threaded bars to the boss ring checking that they terminate inside the ring. Dis-assemble.
4. Slide the upper ridge cover over the piece of vertical threaded bar and insert into the ridge undercladding.
5. Cut the pvc conduit to length, taking care to allow for its inset into the bracket and boss. Slide the vertical pvc conduit over the threaded bar and push into the ridge cover.
6. Insert the smaller diameter pieces of pvc conduit. Offer into the boss ring and finger tighten the nyloc nut.
7. Fit the horizontal pieces of pvc conduit and insert threaded bar into the ring. Finger tighten the nyloc nuts.
8. Check the elements are level and plumb and spanner tighten the boss nyloc nuts. **CHECK THAT THE SIDE FRAMES ARE STILL PLUMB.**
9. Fit the two part rose cover.

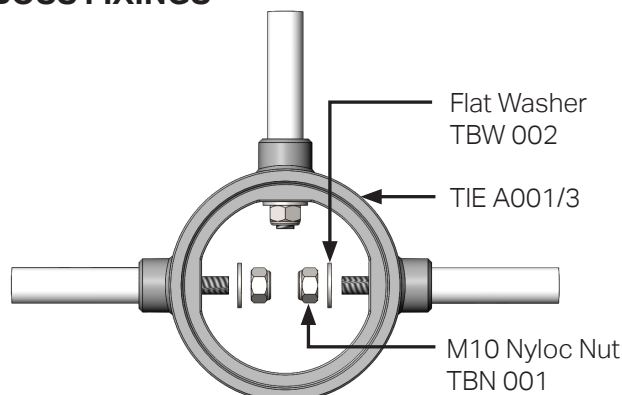
GUSSET PLATE



TIE-BAR BRACKETS



3 WAY BOSS FIXINGS



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Job No.: 3414 CIL085C Tie Bar Install 05/23

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