MADE IN BRITAIN

MULTI-TURN

TIMBER STAIRCASES

GLASS FITTING INSTRUCTIONS

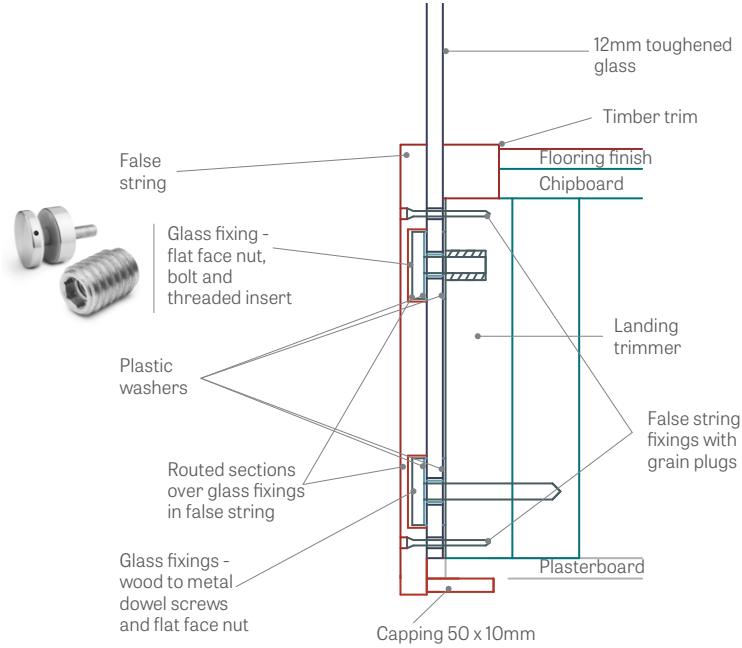
STRUCTURAL LANDING GLASS:

1. We recommend that you start with the first landing pane at the top of the stairs as this will set the height for all the other panes.
2. Fit a batten to the underside of the ceiling joist to rest the glass panes on, or under the ceiling if already plastered. If the balustrade is above a wall, then measure the height of the panel and fit a batten to the wall ensuring that the glass pane will be 920mm above the chipboard.
3. Offer up the first pane, normally the first landing pane at the top of the stairs, but check plan detail for confirmation, keeping it 20mm back from the end (whether this is a newel, landing wall or trimmer etc.).
4. Depending on where the batten is from point 2, position a packer under each bottom corner of the glass pane and adjust to suit so the vertical edge is aligned with the top newel or landing wall as relevant (the top of the pane is to be 920mm above the chipboard).
5. Mark the centre of the fixing holes and remove the pane.
6. Depending on what fixing system has been provided:

i) Drill out all the holes in the trimmer at 20mm diameter, to a depth of at least 42mm, then wind in the 30mm long threaded inserts, using a 12mm hexagon key or similar, until flush with the face of the trimmer.

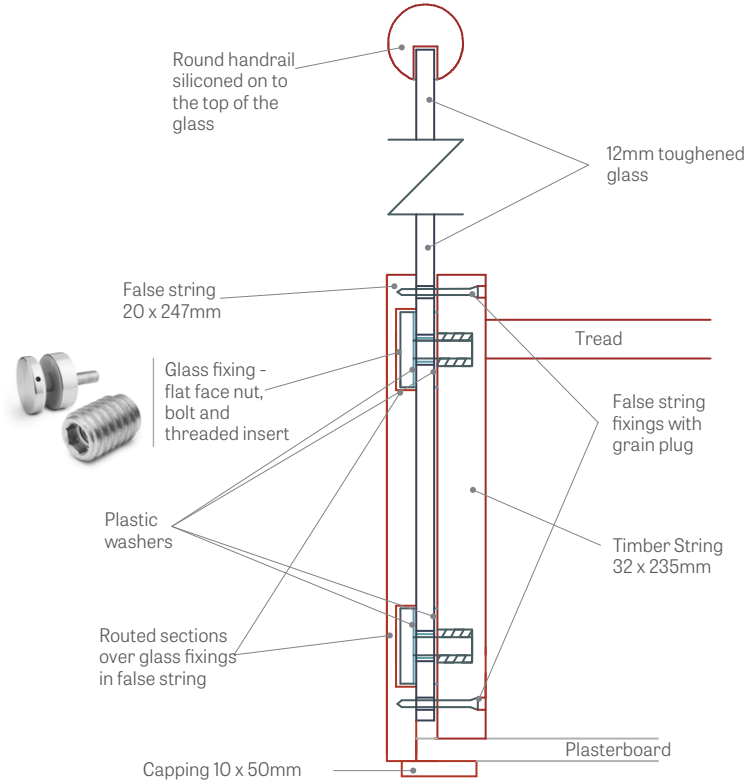
ii) Drill out the trimmer will a 9mm drill bit and insert the 100mm wood-metal screws to the correct depth (protruding 20mm from the trimmer).

7. Offer the pane back up and secure in place with two or three flat face clamps (using the 60mm bolts in the inserts), leaving the majority of the clamps loose for now for adjustment. Remember to fit the 2mm plastic washer behind the glass.
8. Continue steps 2 to 6 working around the landing, ensuring the tops of the panes line up and the vertical faces are about 20mm apart.
9. Once all the panes are in position and adjusted to align up, fit the rest of the bolts and flat face nuts to secure the glass, fastening the bolts up evenly.



STRUCTURAL FLIGHT GLASS:

1. Fit a batten to the underside of the stair string to rest the glass panes on.
2. Offer up the top pane first, keeping it 20mm back from the top (whether this is a newel, landing pane or trimmer etc.).
3. Position a packer under each bottom corner of the glass pane and adjust to suit so the vertical edge is aligned with the top newel or landing pane as relevant (the top of the pane is to be 920mm above the pitch line of the nosings, or to align with the adjacent landing pane).
4. Mark the centre of the fixing holes and remove the pane.
5. Drill out all the holes in the strings at 20mm diameter, to a depth of 22mm (using a forstner bit or similar) then wind in the 20mm long threaded inserts using a 12mm hexagon key.
6. Offer the pane back up and secure in place with two or three flat face clamps (using the 40mm bolts in the inserts), leaving the majority of the clamps loose for now. Remember to fit the 2mm plastic washer behind the glass.
7. Continue steps 2 to 6 working down the staircase to the bottom, ensuring the tops of the panes line up and the vertical faces are about 20mm apart.
8. Once all the panes are in position and adjusted to align up, fit the rest of the bolts and flat face nuts to secure the glass, fastening the bolts up evenly.

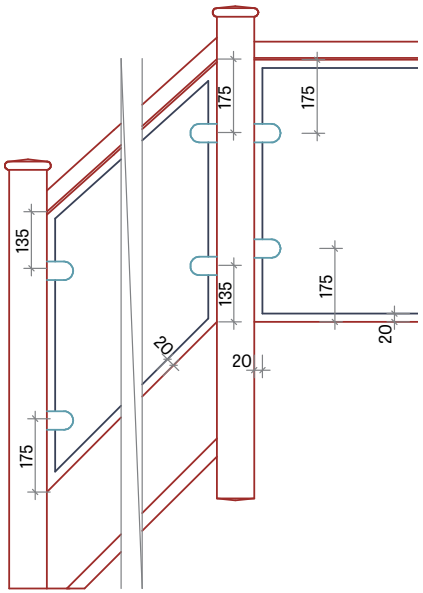


LANDING COVER BOARD:

1. Cut the cover board to the correct length and trim for width if necessary. It should finish about 12mm below the ceiling and align with the top of the floor finish (unless you have a trim on the other side of the glass for the carpet to fit against, in which case it would align with this).
2. Either transfer the bolt positions to the back of the cover board by measurement, or apply some marker pen to the bolt heads, offer up the cover board and this should mark the bolt positions.
3. Router out a 70mm diameter pocket to a depth of 12mm centred on these bolt positions.
4. Transfer the fixing hole positions from the glass to the front of the cover board and drill out for a wood screw and pellet
5. Screw the cover board in position with a small bead of mastic top and bottom as well.
6. Then, if the ceiling is already plaster boarded, fit the 50mm x 10mm trim to the ceiling, behind the bottom of the cover board, to hide the bottom of the glass.

FLIGHT COVER BOARD:

1. Cut the cover board to the correct length and trim for width if necessary. It should finish about 12mm below the string (or flush with the plasterboard) and align with the top of the string. The bottom of the cover board would be flush with the bottom of the string on open riser stairs.
2. Either transfer the bolt positions to the back of the cover board by measurement, or apply some marker pen to the bolt heads, offer up the cover board and this will mark the bolt positions.
3. Router out a 70mm diameter pocket to a depth of 12mm centred on these bolt positions.
4. Either drill through the fixing hole in the glass (right through the string, ready to be secured from the other side with a screw and pellet) or transfer the fixing hole positions from the glass to the front of the cover board and drill out for a wood screw and pellet as for the landing cover board.
5. Screw the cover board in position with a small bead of mastic top and bottom as well.
6. Then fit the 50mm x 10mm trim to the underside of the cover board to hide the bottom of the glass.



GLASS WITH BRACKETS:

10mm toughened glass with chrome or satin finish glass clamps

For customers who do not want intermediate posts, the brackets will need to be positioned under the handrail and on top of the string.

1. Mark position of the middle of the glass clamps.
2. Drill a 10mm hole.
3. Tap the thread insert in part way. Then wind in fully.
4. Bolt on the base part of the glass clamps.
5. Offer up the glass panel - packing it 20mm off the string.
6. Fit the top part of the glass clamps and tighten.

BEADED GLASS:

1. Fix the 'L' shaped section of the beading into the groove of the handrail and baserail.
2. Fit the glass panel – packing it 20mm from the newel on the end and using spots of silicone top and bottom.
3. Fix the triangular section of the glass bead to secure the glass.
4. Cut and insert a piece of the 10mm x 15mm oak beading between the newel and the glass.

These instructions are a general guide only and your specific requirements may be different

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