5) Floor support rail installation

GB350FS Floor support rail

Where a bath is not next to a wall it is possible to use the specially made **GB350FS Floor support rail**. This rail is a height-adjustable rail which fits on the opposite side of the bath to the Molly Bather, secured to the floor.

NB It is important that the rail is mounted firmly against the top edge of the bath to minimise loading on the floor flanges.

Installing your Molly Bather to a concrete floor

Check there are no pipes, under-floor heating or cables where the screws will be fitted, on either side of the bath, using the 'stud finder'.

Mark the holes through the footplates with a marker pen.

Move the Molly Bather to one side clear of the area to be drilled.

Drill holes deep enough to suit the supplied smaller wallplugs using a Ø6mm drill bit. Remove debris from holes and insert wallplugs into each hole.

Realign the Molly Bather with the holes and screw into position using the shorter screws provided - (No 8 x 25 screws).

Installing your Molly Bather to a wooden floor

Follow the 'concrete' instructions up to, but excluding the drilling of the holes.

Drill shallow pilot holes using a Ø3mm drill bit.

Realign the Molly Bather with the holes and screw into position using the shorter screws provided - (No 8 x 25 screws).

Installing your GB350FS rail to a floor

Place the rail against the top edge of the bath, opposite the Molly Bather, ensuring the short horizontal tubes are firm against the bath edge. Adjust the leg height, by loosening the leg clamp bolts, bringing the top of the short horizontal tubes level with the top edge of the bath. Tighten the leg clamp bolts. (The flange holes should be in line with the bath sides).

Mark the holes through the flanges and follow the same procedure as installing the footplates of the Molly Bather.

Subsequent testing is as described in section 1.

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Installation Guidelines

Molly bather™

1) Solid wall installation

Inspecting bathroom for suitability

Ensure the wall behind the bath is of solid brick or concrete construction. Ensure the wall condition will support the Grab Rail and the user's weight. Check there are no pipes or cables where the screws will be fitted. Use a 'stud-finder' or 'metal-detector' tool if necessary, as shown in the photograph below.

Inspect the floor beside the bath, checking that it is suitable to take the Molly Bather floor-fixing flange screws. Check there are no pipes, under-floor heating or cables where the screws will be fitted, again using a 'stud-finder' or 'metal-detector' tool if necessary, as shown left.

Ensure the Molly Bather will not be obstructed by a sink, toilet or a door when aligned with the Grab Rail.

Ensure the belt retraction will not be unduly affected by any internal handles or tapering of the bath contour, (this may lead to premature wear and creasing of the belt).

Installing the GB350 Grab Rail

Place the Grab Rail against the wall, with the end of the Grab Rail in line with the start of the bath curve, as shown left.

Mark the 6 holes through the flanges of grab bar, using a marker pen, ensuring the grab bar is kept horizontal.

Drill the 6 Grab Rail holes deep enough to suit the supplied wallplugs using an Ø8mm drill bit.

Remove debris from holes and insert wallplugs into each hole.

Realign grab bar, fit the supplied soft pads under the flanges and screw firmly into place, with No 10 x 63 longer screws provided.

Tips for weaker solid walls

If your wall is old brick, breeze-block or aircrete, it may be necessary to use specialist fixings, such as 'Chemfix' (resin-based system) or metal expanding fittings.

(Your local hardware store can advise and supply).

We can also supply a 5 flange Arthritic Grab Rail, (**GB800**) to help distribute the load more effectively.

If there is a gap between the plaster board and the solid wall, suitable spacers should be used to brace the fasteners which should be longer than those supplied to ensure sufficient engagement into the wall structure.

1) Solid wall installation (contd)

Adjusting your Molly Bather to suit the floor and bath

Align the Molly Bather so that it is parallel with the already installed Grab Rail. (within 12mm /½"). The black bumper stops MUST be firmly against the top edge of your bath and the white panel under the seat 1/4" (6mm) above the bath edge, (an extension kit is available for deep bath panels).

To align, it may be necessary to adjust the height of the Molly Bather.

To adjust the leg height, loosen the 2 hex head screws on each leg, and telescope legs to desired height. Tighten screws firmly to secure. (If fitted onto carpet, allow for compression of pile).

Installing your Molly Bather to a concrete floor

Check there are no pipes, under-floor heating or cables where the screws will be fitted using the 'stud finder'.

Mark the holes through the footplates with a marker pen, as shown left. Move the Molly Bather to one side clear of the area to be drilled.

Drill holes deep enough to suit the supplied smaller wallplugs using a Ø6mm drill bit. Remove debris from holes and insert wallplugs into each hole.

Realign the Molly Bather with the holes and screw into position using the shorter screws provided - (No 8 x 25 screws).

Installing your Molly Bather to a wooden floor

Follow the 'concrete' instructions up to, but excluding the drilling of the holes.

Drill shallow pilot holes using a Ø3mm drill bit.

Realign the Molly Bather with the holes and screw into position using the shorter screws provided - (No 8 x 25 screws).

Tips for suspected pipes under floorboards

The No8 x 25 provided will be fine for most floorboards, however No 8 x 19 can be used if the floorboards are very thin.

4) Corner rail installation

GB1000CB Corner rail

Where a corner bath is fitted in a bathroom, it is not possible to use a standard rail, however the **GB1000CB Corner rail** is designed to suit most corner bath layouts. The rail is an angled 'L' shape to fit between two solid walls. There are 2 pairs of cradle brackets so that the rail can be inverted to suit either Right-Hand or Left-Hand orientations. The mounting brackets allow the corner rail to be positioned at the best angle to suit the profile of the bath. It is important to note it is for use on **SOLID WALLS ONLY**.

Assessing best position for Molly Bather

First check both adjacent walls are solid brick or concrete. Check there are no pipes or cables where the screws will be fitted using a 'stud-finder' or 'metal-detector' tool if necessary. Place the Molly Bather against the rim of the head end of the bath, resting the belt across the bath to determine the best position for the Corner rail.

NB The corner rail should be parallel to the Molly Bather and accurately aligned.

Molly Bather - black bumper stops

Due to the curvature of the bath edge, it may be necessary to fit a double black bumper knob on one side of the Molly Bather to help the alignment. This is available as a kit: **Ex-Kit**, which comprises of 2 extra knobs & 2 extra long button-head screws.

Grab rail fitment.

Align the grab bar parallel with the Molly Bather and mark the 6 holes through the stainless brackets in the grab bar, using a marker pen. Put the rail to one side.

Drill the 6 Grab Rail holes deep enough to suit the supplied wallplugs using an Ø8mm drill bit.

Remove debris from holes and insert wallplugs into each hole.

Remove stainless brackets from the grab bar, and screw the brackets firmly into place, with No 10 x 63 longer screws provided.

Align the grab rail upright tubes with the lugs of the stainless brackets & secure with the 4 off M6 stainless screws.

Floor fixing of the Molly Bather and subsequent testing is as described in section 1.

3) Stud wall installation (contd)

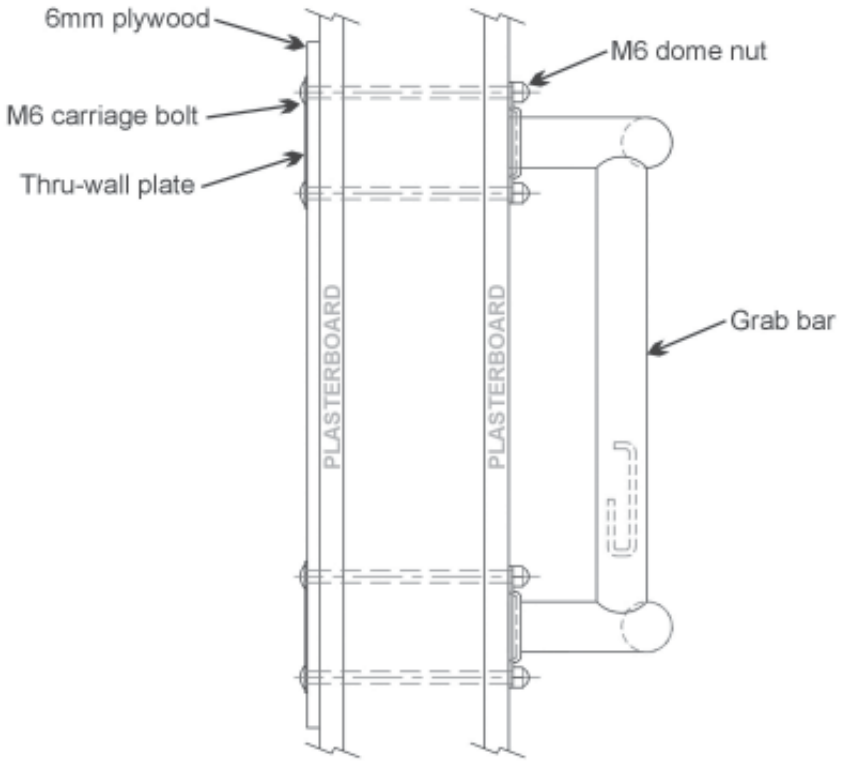
TWB Thru-Wall Plate Kit

Below is an example installation using a plywood 'backing-board' behind the stud wall, reinforced using 2 or 4 **TWB Thru-Wall Plates**. The kit comprises 2 off stainless backing-plates, 4 off M6 x 100 Coach bolts & 4 x M6 Domenuts.

The plates and fasteners can be used to help attach an Molly Bather grab rail to plaster-board walls where one or more of the stud timbers are not in the ideal positions to align with the flanges.

The plates can be mounted over a suitable plywood board, which spans two or more stud timbers, (drilled to suit the grab rail), to provide an accurate location for the thru-wall carriage-bolts which pick up the flanges of the grab rail.

NB. It is not recommended to use the wall plates directly against the plasterboard as they may dent or damage the plasterboard in time.



Final adjustments and testing of the Molly Bather

The Grab Rail should now be firmly secured to the wall beside the bath and the Molly Bather firmly secured to the floor, with the black bumpers against the top edge of the bath. The belt should be parallel to the support cradles of the Grab Rail. The final adjustments can now be made and the system tested.

Setting Belt Tension

Insert the chrome bar at the end of the belt into the support cradles of the Grab Rail opposite. The excess belt should be wound around the stainless bar until the white label is roughly level with the Grab Rail.

NOTE: The cradle entry is behind the rail and has an upper safety stop to prevent inadvertent disengagement. To adjust the tension, slide bar up to upper safety stop, where it can then be rotated freely, before lowering into the cradle to lock.

Checking Belt Tension under power

Raise the belt of the Molly Bather by pressing the RED 'up' button on the handset (whilst applying pressure by hand on the belt) until it automatically stops.

NOTE: There is a pad sewn onto the belt which houses 2 magnets, these activate the belt-stop when raising.

If the belt is still slack, wind up the belt half a revolution at a time until belt is adequately taut and re-insert into grab bar cradle. Generally the 'MID' text on the white label will be level with the Grab Rail. (Based on a 70cm width bath)

Checking Belt Tension with User

This should now be finally checked with a person preferably of a greater weight than the end user sitting on the belt.

Lower yourself right to the bottom of the bath. Raise back up until it stops automatically with the magnetic belt pad. The belt should stop level with the seat, but not overtaut.

(Re-adjust if necessary as described above).

Fit slip-cushion and ensure velcro straps are not too tight so that the sliding action is optimised.

Customer training

- It is important that the end user has a 'dry-run' of the new system and can safely operate the controls and maintain good posture.
- Ensure the user understands the importance of sitting upright during motion to minimise creasing of the belt.
- Go through battery fitting & charging procedures.
- Ensure end user has your contact information for the future.

2) Window wall installation

Rail options

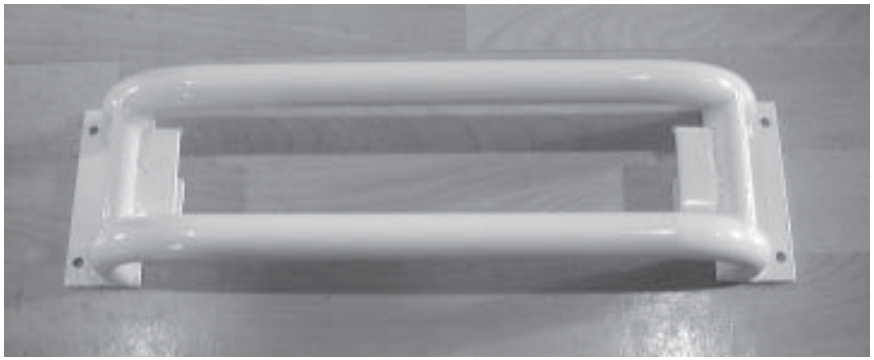
There are two specific rails for solid walls with windows above the bath. The overall height of these rails are reduced to fit below the window sill. However it is important to note they are for use on **SOLID WALLS ONLY**.

GB400x200 Window rail

This rail has an overall height of 200mm (8”) and uses conventional flanges with 8 screws for mounting, it offers the benefits of reduced height while retaining good ergonomics.

GB400x120 Micro window rail

This rail has an overall height of 120mm (4¾”) and uses steel plates with 8 screws mountings, it offers the benefits of minimal possible height with reduced ergonomics.



3) Stud wall installation

Inspecting bathroom for suitability

Locate stud uprights, using a studfinder to help check their location. NOTE: If the wall has been built to modern Building Regulations, the stud intervals should be 400mm (16”), as shown in the photograph below.

Install GB400 or GB800 Grab Bar to studded wall

If the intervals are standard 400mm (16”), align the grab bar horizontally with the studs closest to the start of the bath curve, and mark holes through the flanges in the grab bar.
Drill shallow pilot holes using a Ø3.5mm drill bit.

Realign grab bar, fit the supplied soft pads under the flanges and screw firmly into place, with No 10 x 63 longer screws provided, ensuring all screws screw firmly into the timber uprights.

Alternative options for studded walls

If the stud uprights are not to Building Regulations or are not in a suitable ergonomic position for the bath, it may be necessary to use alternative methods of attachment.

The only option we recommend is using a plywood ‘backing-board’ behind the stud wall, preferably reinforced using the **TWB Thru-Wall Plate Kit**. Details are on the following page of a typical installation.

If access to the room behind the bathroom wall is not possible, such as in a block of flats etc, it may be necessary to have a professional builder ‘locally reinforce’ the wall to provide secure attachment of the grab rail.

We do not recommend any type of expanding fixing direct into the plasterboard. These can be unreliable and could result in the rail being pulled off the wall in use.