

G-FIX 04 exerts a movement of the glass pane of approximately 0.5 mm outward during installation. Since double glazing can have glass tolerances of approximately ± 0.8 mm and triple glazing can have tolerances of approximately ± 1.2 mm, the use of G-FIX 04 is not unconditionally recommended for dry glazing systems. For dry glazing systems, both G-FIX 01 and G-FIX 03 are more suitable, as they execute an outward movement of approximately 1.5 mm during installation. When used in combination with silicone foam seals from Helmut Goll GmbH, the aforementioned glass tolerances can be accommodated.

To ensure a smooth installation of G-FIX 04, the following points must be considered during preparation and assembly:

1. An external seal or sealing tape must be used to compensate for the movement of approximately 0.5 mm that occurs when fastening G-FIX 04. Otherwise, glass breakage may occur during installation. **To accommodate the specified glass tolerances, external wet sealing is required.**
2. During installation – especially for heavy glass panes – glazing blocks must be used to ensure that the glass pane can move sufficiently easily towards the outer shell when fastening G-FIX 04. To optimize the sliding of the glass pane on the glazing blocks, the glass edges should be chamfered.
Caution: If the glass pane lacks sufficient sliding ability, glass breakage may occur during installation.
3. The glass pane must be positioned at the bottom of the external seal before fastening. If necessary, use a glazing hovel to assist.
4. The positioning measurement for securing G-FIX 04 must be adjusted according to the construction specifications. Use our assembly jig ****G-FIX 04 MONTAGELEHRE**** to ensure a consistent positioning measurement, which is essential for the use of G-FIX 04. The positioning measurement can be adjusted and locked via the knurled screw on the assembly jig.
5. For fastening G-FIX 04, it is best to use a drill with torque control to maintain a uniform screwing force and avoid excessive tightening.
6. The first G-FIX 04 is fixed centrally at the top of the window element. This secures the glass pane and prevents it from falling out of the frame. To do this, insert a G-FIX 04 into the assembly jig. Then, position the jig on the window rebate and fasten the G-FIX 04 with a 3.5 mm chipboard screw of at least 35 mm in length.
7. The next G-FIX 04 is installed centrally at the bottom. Then, additional G-FIX 04 units are attached alternately to the left and right at intervals of approximately 20 cm, starting from the centre. The glass pane will move approximately 0.5 mm towards the external seal, ensuring the necessary contact pressure. Particularly with heavy glass panes, this process must be carried out carefully, as the entire weight of the glass pane rests at the bottom, causing the highest frictional resistance between the glass pane and the glazing blocks. The better the glass pane can glide on the glazing blocks, the easier the installation will be.
8. Further G-FIX 04 units are now installed on the sides and top, always working from the centre towards the frame corners. A minimum distance of 8 cm must be maintained for the first G-FIX 04 at the corners if an E-FIX 01 corner bracket is to be used.

Important note:

To prevent warm air from entering the window rebate and condensing, sealing the gap between the glass pane and the wooden frame is recommended. The filling material should preferably be applied on the room-facing side. If this sealing method is chosen, the first G-FIX 04 is installed centrally at the top, as previously described. The filling can then be easily inserted before installing all further G-FIX 04 units.