

GSS Safe - GSS Floor Support



PURPOSE

- The GSS Floor Support is designed for mounting at the lifting points of precast concrete elements such as terraces, walls, stairs, and others. Assembly with a bolt in recessed threaded sleeves, with 4 concrete bolts on raw soil or with the sleeves provided for this purpose.

TECHNICAL DATA

- Processed round and flat steel.
- Hot-dip galvanised.

PACKAGING DETAILS

Item Number	Quantity per Pack	Weight	Length	Width	Height
GSS3008	1 Piece	2.55 kg	0.2 m	0.085 m	0.29 m

USE

Use the GSS Floor Support to easily secure finished precast terraces/balconies, precast roof edges, galleries, and stairs simply without damaging them and on a stable surface without ladders and without risk.

The two anchoring points on the front of the precast elements are used here.

If there is a risk of damaging the concrete element, it is best to lay 2 knobby mats (Item 2008 a) on both sides along the anchoring point with the nubs facing downwards. It prevents scratches or stains on concrete. Ensure that the 2 legs of the support rest completely on the mats, as shown in the example (Figure 1).

Always place the floor support with the base bracket facing inward!!!

- For Wire Sleeves:** Place the GSS Floor Support with the centre over the threaded sleeve and screw in a galvanised 7 cm screw. Of course, the threaded diameter of the screw must match the threaded diameter of the sleeve. Tighten the screw firmly with a socket, ring, or open-end spanner. If the screw is smaller than M24, an appropriate washer (roundel) must be used. The diameter of the hole is 26 mm (Figure 2).
- For Fold Anchors (tilting anchors):** Hook the clamp of the tilting anchor coupling 3015 into the hole of the tilting anchor and place the GSS Floor Support over it. Place the washer on top and tighten the nut with a suitable wrench. Carefully check that the raised part of the clamp is resting against the tilting anchor so that it cannot slip off. The connector fits on a tilting anchor weighing between 2.5 and 7 tonnes.

CAUTION!
Left-handed threads!!!



Figure 1



Figure 2



Figure 3

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Now anchor the mast in the usual way and bring the now excessively high board brackets into the correct position! Raise the upper bracket by 1 cm, rotate it backward, lower it by 30 cm, rotate it back to the front, and anchor it at the next point of the post. Repeat the same process with the knee support and lower it onto the base support.

Screw the boards to the bracket so they cannot slip out. If necessary, attach a skirting board at least 15 cm wide to the floor support and rotate the new skirting board holder in front of the skirting board so that it cannot fall over. Connect the ends of the boards to the wall or the angle inwards using the GSS Corner Connector. Use all holes and screws instead of nails to ensure a very strong connection.

Use safety boards that are adjusted to the distance between the posts to bridge them securely.

Inform the concrete manufacturer that you are working with the GSS Floor Support. Provide them with the prefabricated lifting point plan (see below). If all of this contributes to reducing damage from natural hazards and improving safety, they will be happy to co-operate.

Some Examples:

- The roof covering on this flat roof is burnt. The handrail can be fitted in no time at all and is not an obstacle for anyone! (Figure 4)
- Here is an image of a gallery. The suspension points and therefore the handrail can often be positioned at the edge here. (Figure 5)
- The banister can now remain in place until the end of construction without hindering the plasterer and without damaging the staircase. Drill an additional support in front of the first step and behind the last step into the floor. (Figure 6)
- **Use on Raw Concrete Floor:** The GSS Floor Support can also be used on any concrete floor where fall protection is required. Use 2 Hilti HUS-H 8 concrete screw anchors (see calculation on the website) or a mathematically proven equivalent alternative. Screw the bolts into the diagonally opposite holes in the concrete. You can also use 4 HUS-H 6 x 40 concrete screw anchors. They are reusable and certainly just as quick to install. (Figure 7)



Figure 4



Figure 5



Figure 6



Figure 7

Here's a link to a video: [Item 3008 GSS Floor Support](#)

The floor support is reusable at any time.



GSS Safe - GSS Knobby Mat



100 PIECES

These knobby mats can be ordered under item number 3008 A.

GSS Safe - Precast Lift Point Plan



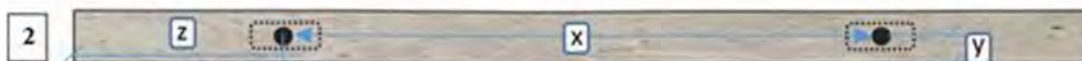
1: Precast Terraces, Balconies, and Galleries

- Terrace Length < 3 metres X = between 1.5 and 2 m
- Terrace Length between 3 and 5 metres X = 2.40 m
- Terrace Length > 5 metres X = as far apart as possible and 1 additional point in the middle between the two mats, of course with architect's approval. Its purpose is to raise the terrace and may therefore be smaller.
- Y = As close as possible to the outer edge, min 15 cm and max 40 cm
- Z = distributed equally at each end (left and right)



2: Precast Walls

- As above, but here Y is $\frac{1}{2}$ the thickness of the wall



3: Precast Steps

- Y is here $\frac{1}{2}$ the depth of a step
- Z - max. 15 cm
- X = maximum 2.4 m
- If the above is not possible, then again as far apart as possible as in drawing 1
- Always request 4 lifting points to position the GSS floor support
- Drill an additional support into the ground in front of the first step and behind the last step.

