

GSS Safe - GSS Edge Type 2

PURPOSE

- GSS Edge Type 2 was developed to provide solutions when floor slabs (precast concrete panels) are not supported by a wall or system beam, and the end of the precast concrete panel is also the end of the floor. The platelets themselves provide a secure railing. The lower part of the post should not rest against a wall. Perfect for use in building construction and on self-poured terraces, balconies, and other cantilevered floor slabs that are not supported by a beam or wall! The formwork and railing can be mounted at ground level.
- This profile is produced only in the design in which GSS Safe is used. Therefore, it is only described in this combination in the technical data sheet.

TECHNICAL DATA

- Material: galvanised steel sheet with a minimum thickness of 1.25 mm (Tolerance ± 0.1) made of normal structural steel or high-strength steel.
- Angle: 88 to 89°, to further counteract the pressure of the concrete.
- Height: depending on floor thickness (Tolerance ± 5). The tolerances (Tolerance) are always given in mm unless otherwise stated. Floor Thickness = Profile Height = Arch + Subsidence.
- Width is 3 cm (Tolerance ± 5) and the length is 2.4 m (Tolerance ± 10).
- The profile is provided with 4.5 mm recurring holes to anchor it to the upper reinforcement (concrete mats) or to the lattice girder.
- It has 2 slots at a distance of 1.2 m to accommodate a GSS Safe safety post and for the GSS click system to connect the profiles.

STANDARD TYPES

Since the thickness of the filigree ceiling must be accounted for, no profiles are generally kept in stock. Therefore, please allow for additional production time.

STRUCTURE OF ITEM NUMBERS

- For example, GSS 8220, where 8 stands for GSS Edge → referred to as GSS Edge 220.
- For example, GSS 8220, where 220 stands for the height of the profile in mm. **In all profiles (GSS Profile, GSS Beam, GSS Prefab, GSS Edge), the specified height in the item number corresponds to the total height of the floor to be concreted!** In the case of Edge 220, the floor is 22 cm thick, including the thickness of the locking bar or precast concrete panel.

CAUTION!

GSS Edge Platelets:
Item 3042o (lower platelet) and Item 3042b (upper platelet)

GSS Edge may only be used in combination with Item 3042o - 3042b: upper and lower platelets of GSS Edge. They are thicker than standard platelets and specifically designed for these applications. It is essential to secure the platelets with concrete screws (screw anchors) HUS3-H 6x40/5 from Hilti or equivalent.

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Item 3042o (Figure 1)



Item 3042b

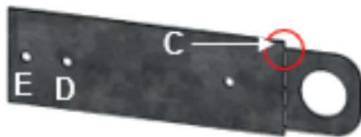


Screw Anchor HUS3-H 6x40/5

PRACTICAL USE

This is a recessed edge formwork to be fixed against a floor slab every 25 cm with clamping sleeves 6 x 60 (A). Use the set of platelets Item 3042 with a concrete screw to anchor the post as shown in the drawing.

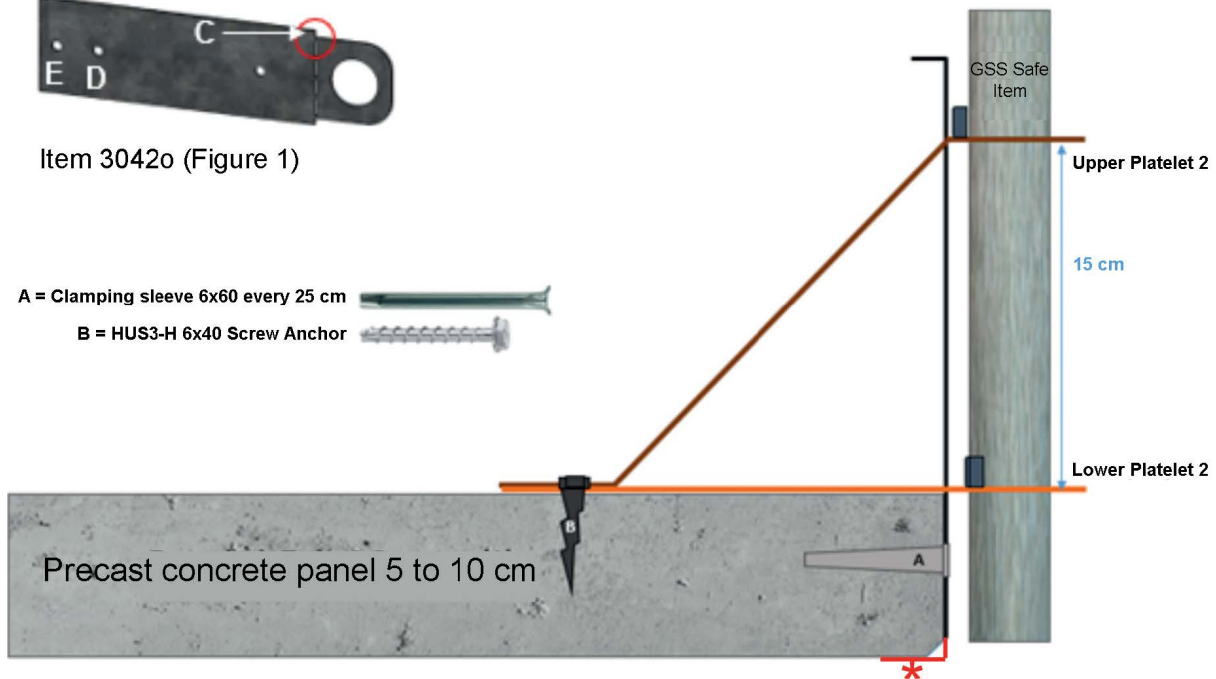
The lower platelet rests with the recess (Figure 1 C) at the height of the top of the precast concrete panel on the profile. Drill a 6 mm hole 4-5 cm deep through the penultimate hole of the lower platelet (Figure 1 D). The upper platelet is folded in such a way that the first and last parts of the platelet lie horizontally. Now slide it through the upper slot, 15 cm higher. Make sure that there are no concrete remains in the drill hole. Now tighten Hilti HUS3-H 6x40/5 screw anchor or equivalent (B) through the 2 corresponding holes in the concrete with an impact wrench. The base of the profile can optionally be folded down by 3 cm, so that it rests against the bottom of the precast concrete panel to keep the profile straight at the top.



Item 3042o (Figure 1)

A = Clamping sleeve 6x60 every 25 cm

B = HUS3-H 6x40 Screw Anchor



The "Doktoren" construction site by BAM Interbuild, built with GSS Edge Type 2 and GSS Safe!