

GSS Safe - GSS Prefab

PURPOSE

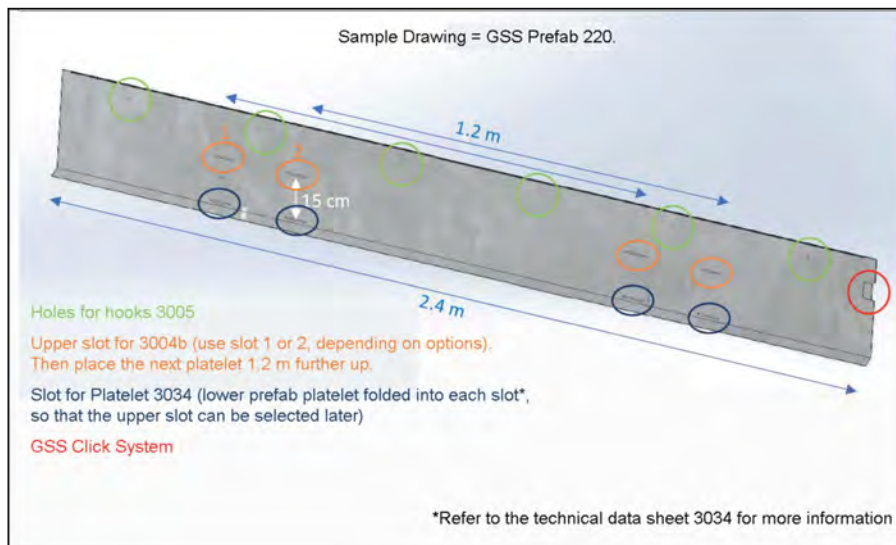
- For the easy forming of recessed edge formwork in the production of pre-beam girders or walls. This is done either in the precast plant or on the construction site itself.

TECHNICAL DATA

- Material: Galvanised steel sheet with a minimum thickness of 1.25 mm made of normal structural steel or high-strength steel (Tolerance ± 0.1).
- Height: depending on floor thickness.
- The profile is provided with 4.5 mm holes for anchoring the profile to the upper reinforcement (concrete mesh) or to the lattice girder and offers the option to use our safety system GSS Safe.

STANDARD TYPES

- A** GSS Prefab 220: For all floor thicknesses ranging from 16 – 18 - 20 to 22 cm
- B** GSS Prefab 300: For all floor thicknesses ranging from 24 – 26 - 28 to 30 cm
- C** GSS Prefab 350: For all floor thicknesses ranging from 32.5 – 35 cm
- D** GSS Prefab 400: For all floor thicknesses ranging from 37.5 to 40 cm



- The drawing is similar for each profile from 220 to 400. Only the number of holes for connecting to the reinforcement varies:
 - A** 4 holes at a distance of 60 cm, repeated on 1 line
 - B** 6 holes at a distance of 40 cm, repeated on 1 line
 - C** 10 holes at a distance of 30 cm, repeated on 2 lines
- Each profile has a 90° fold at the top for reinforcement and a 45° fold at the bottom for pouring into the concrete.

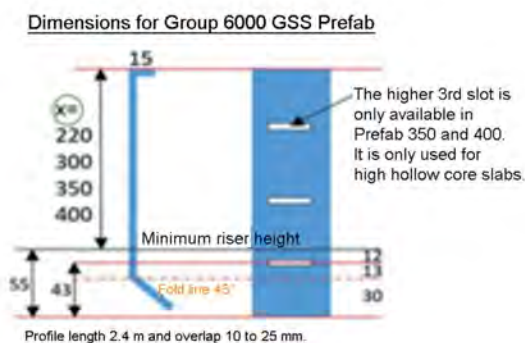
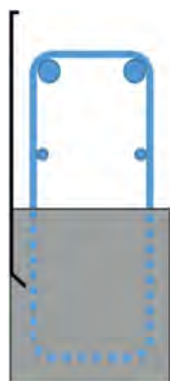
STRUCTURE OF ITEM NUMBERS

- For example, GSS Prefab 6220, where 6 stands for the article group of precast formwork.
- For example, GSS-Beam 6220, where 220 stands for the floor thickness 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 GSS Prefab 220, the floor is 16, 18, 20, or 22 cm thick, including the thickness of the locking bar or precast concrete panel. However, if you measure the total profile height, it is ± 29 cm. As the floor thickness decreases, the profile sinks deeper into the concrete.

GSS Safe - GSS Prefab

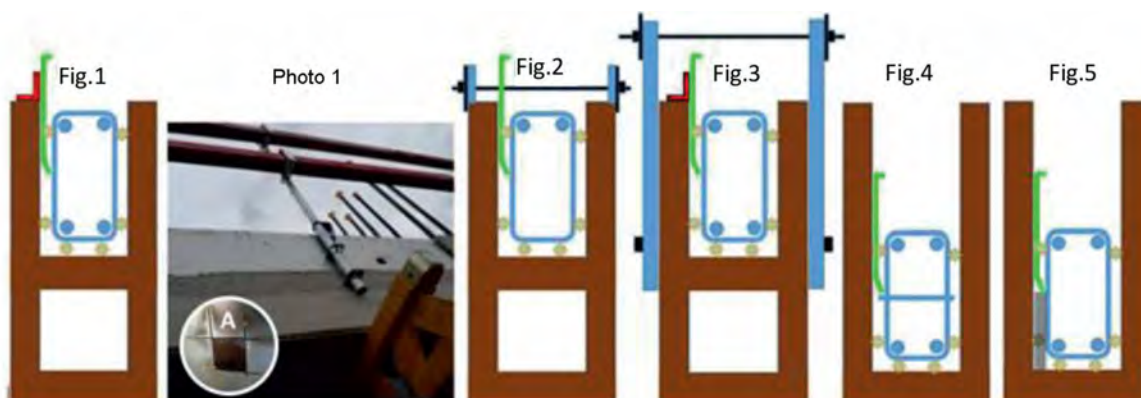
PRACTICAL USE

- The profile is attached to the concrete mould by magnets or nailed to a block or board at the appropriate distance from the bottom of the mould. This distance is determined depending on the height of the beam and the thickness of the floor to be laid.



Above are 2 illustrations showing how the plate is held with a magnet (Figure 1). You can also screw the profile against a wooden plate or work with a modified device where the tension clamp is positioned over the protruding profiles (Figure 3). You can also drill a hole in the steel plate through which the clamp is inserted (see Photo 1 + Figure 2), but grinding out a square hole is much easier and faster (Photo 1 A).

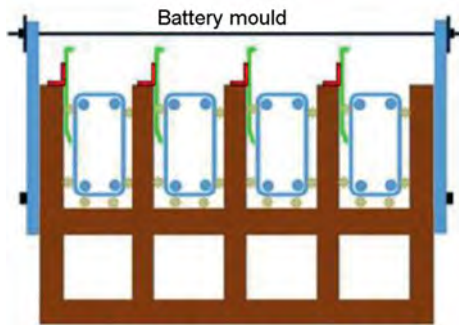
When the profile is poured at the bottom of the mould, it can be attached to the mould with magnets, hung from the mould with a hook, or the basket is provided with some protruding bars of reinforcing steel on which the profile rests (Figure 4). You can also integrate a custom-made concrete block (Figure 5).



Here is a link to a video: [Break GSS Prefab](#)



GSS Safe - GSS Prefab



Connect the formwork at the top with the GSS Fast brackets.

**Do you use our safety railing?
Read the technical data sheet for GSS Safe carefully!**

- GSS Prefab can also be connected to our click system. However, since the folded edge points inwards at the top and outwards on the GSS profile, it is not possible to connect the two. Overlap the profiles by a few centimetres and fill the gap with PU foam (see figure below).

