

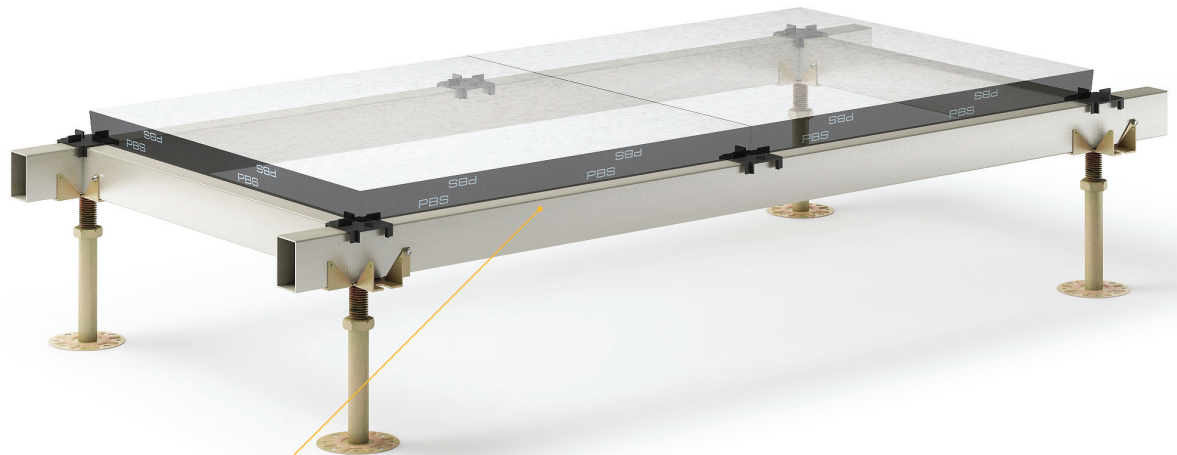


Product Sheet

BOX GIRDER SUBSTRUCTURE KW120

PBS accepts no liability whatsoever for any direct or indirect damages, of any nature whatsoever arising from the information on this product sheet.

The substructure for use in data centres, technical and computer rooms and rooms where high demands are made on load bearing.



Substructure

Box Girder Substructure KW120

This substructure is extremely suitable for environments where grounding, carrying capacity and sideways stability are very important. These could be data centres, computer rooms, technical rooms and clean rooms. Thanks to the spacious grid this substructure offers extra space under the floor for cabling. It also has less obstructions for air flow.

Due to the entire substructure being made of steel and all parts being screwed together, this structure has zero resistance per 2.4 meters (0,00 Ohm). This means that the box grid work floor is excellently suitable as a grounding grid.

Substructure

Safety and Stability

This substructure is a stand alone system and can be assembled without panels. Because all pedestals are interconnected with box girders and are screwed together a large stable structure is formed. This means that multiple panels can be removed without affecting the integrity of the construction. In this way a safe environment for people and equipment is formed. This construction also copes effortlessly with sideways forces (these come into play when using forklifts, for example).

Substructure

Assembly

This pedestal can be mounted to a concrete floor that has been levelled with a straight edge. The adjusting capabilities of the pedestal make it possible to always achieve a level floor.



BOX GIRDER SUBSTRUCTURE KW120



Substructure Pedestal

Pedestal Type
Type 5 (to a construction height of 1,160 mm)
Type 5H (to a construction height of 1,460 mm)

Diameter Foot Plate
98 mm

Thread Pedestal Head
M20

Pipe Diameter
Type 5: outside diameter 24 mm, pipe wall thickness 2 mm
Type 5H: outside diameter 26 mm, pipe wall thickness 3 mm

Material
Steel, galvanised, yellow passivated

Pedestal Height
Type 5: 170 mm - 1,100 mm
Type 5H: 170 mm - 1,400 mm

Adjustment Range
+/- 25 mm

Assembly
On construction floor with PU glue

Lattice Size
The pedestals are placed in one direction centre-to-centre 600 mm apart. Laterally the pedestals are placed at 1,200 mm from each other.
With the exception of the connections to structural parts.

Substructure Absorption Plate

Thickness
2 mm

Material
Conductive plastic, with ridges for positioning the panels

Substructure Box Girder

Dimensions breadth x length x height
40 mm x 60 mm x 2 mm

Material
Steel, electrolytic galvanised

Assembly
The box girders are attached on one side with a self tapping screw to the pedestal head.



The grid size of this substructure is 600 mm x 1,200 mm. Different sizes are possible.



This pedestal is obtainable in various heights depending on the floor height required.

Electrical Conductivity

Resistance in the Substructure
Not measurable: 0,00 Ohm / 2.400 mm measured from pedestal to pedestal

Pedestal Load in accordance with DIN EN 12825

Failure Load with Balanced Load
> 20.2 kN (Test at pedestal height of 990 mm)