

# item

## Press Release

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### *Heavy metal*

### **High-end heavy-duty variant of the aluminium profile system**

*The item MB Building Kit System is a tried-and-tested means of manufacturing production machinery, workplaces and enclosure & guard systems. The latest range of products makes it that much easier to design and construct sturdy, load-bearing machinery for heavy-duty applications.*

The Profile 8 160x160 series is equipped with Line 8 Grooves in grid size 40 mm on all sides which extends the range of options within this Profile Line. In addition, the Profiles take 10.2 mm core holes suitable for M12 threads which can be tapped into the front-facing surface.



(Figure: 8-0257c4.eps)



(Figure: 8-0256c4.eps)

The Profiles are given appropriate stability by special floor elements. Base Plate 8 320x320 St is designed for screwing to Profiles 8 160x160. The Base Plate is supplied with all necessary through holes and the screws required are also included. In this way, attaching to the wall or floor presents no obstacle, even if the construction is in the heavyweight class.



(Figure: 8-0259c4.eps)

Large Profiles need heavy-duty connections – right from the start this has been a feature of the item MB Building Kit System. And so it goes on: simultaneously with the Profile and floor mounting elements, item have developed corresponding fastening elements that are in keeping with the rest. Made of globular grey cast iron, this Angle Element 8 160x160 St can be bolted with up to 16 M8 bolts and exhibits all the features required of applications in the heavyweight class. Easy to fit, tough and resilient under load and not so bulky that it stands out. In this way, the Profile side surfaces remain free to facilitate the installation of dynamic components for handling systems, for example, directly on the Profiles, as one has come to expect from item.



(Figure: 8-0258c4.eps)

### Product benefits

- modular, matched system of Profiles, Joints and Fastening Elements
- all the benefits of Line 8 due to system grooves matched to grid size
- high-load bearing, deflection-resistant Profile
- connection using sturdy Angle Elements which transmit forces and absorb moments of inertia
- prepared Universal Fastening Sets for simple installation
- floor-fixing via solid steel plates, screwed to the M12 core holes in the Profile
- especially well suited to the construction of heavy-load portals
- easy access to and use of large, internal central hollow Profile chamber