

item

Press Release

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Open sesame... – new Lifting-Door System for individually constructed Enclosure & Guard Systems

Where a machine guard often needs to be opened to allow access at regular intervals to a machine process, Lifting Doors are a popular solution - not merely because of their modest space requirements, but also because of the low risk of danger or injury. item now offers specially designed products to facilitate the construction of such equipment within the context of the tried-and-tested MB Building Kit System. Lifting Doors can now be designed to meet specific requirements in terms of size and level of functionality and then constructed using the new system components. Doors with widths of up to 2 m and a weight of up to 35 kg can be moved vertically in the new guide profiles. The door itself is guided by means of specially designed Guides which use tensioned-spring rollers to compensate for tolerances and heat expansion and prevent jamming or canting of the door frame in the guides. The ball-bearing mounted rollers are spray-coated with a noise reducing plastic surface to ensure very quiet, low-friction running and long durability.

The Lifting Door can be powered or opened manually and the force required to raise it are remarkably low, thanks to the sophisticated counterweight mechanism. The counterweights are linked to the Lifting Door by chains which run in completely covered ducts – which prevents injury to hands from moving components.

item has included yet another safety feature in this new system. As an option, the door can be equipped with a gravity brake on both sides, if required. If any damage should occur to prevent the counterweight working correctly, this spring-loaded eccentric brake system will trigger. This locks the door frame in its Guides and prevents the door moving downwards in an uncontrolled manner.

And since the components are made by item, it goes without saying that all the components making up the new Lifting Door System are fully integrated in the modular MB Building Kit System. The Guide Profiles have size 8 system grooves on the outer sides which enables the door to be easily connected to other guard components. The grooves also provide universal fitting opportunities for any attachments such as other safety elements.



Figure: Hubtür01.tif



Figure: Hubtür02.tif



Figure: Hubtür03.tif