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[®]
SINIUS



SINIUS[®] Folding Door System

SINIUS® Folding Door System

**Excellent custom solutions for
industrial lifts and goods lifts**

SINIUS®





SINIUS® – Folding door as powered landing doors

In numerous sites in the automotive and chemical industries, there are a considerable number of powered landing doors, designed as four-panel folding doors.

These doors were manufactured, distributed and installed by two well-known German lift companies about 30 to 40 years ago. Both manufacturers are now integrated into corporate groups and no longer offer such doors in this form. In the past, both specialist planners and operators repeatedly initiated the development of a replacement product for such folding doors as they were now old and prone to failure.

Replacing these special doors with swing doors or vertically opening doors has proven to be impractical for a variety of reasons. That is why Meiller has developed a completely new door that could replace both of the folding landing doors previously used. The most important specification was that the construction space of the new door must be such that the existing door types can be replaced 1:1 without masonry work. Furthermore, this door must comply with all safety aspects specified in the standard. Although

EN 81-20/50 does not mention powered landing folding doors, according to the current state of the art a folding door must in any case provide the prescribed impact force of 150Nm, the 10J closing energy and the 4J pushing energy. Meiller had the development of this door accompanied by TÜV SÜD right from the start in order to guarantee safety at the highest possible level.

The result is the **SINIUS®** four-panel powered folding door. All required safety levels are achieved without the need for on-site measures, such as safety edges, entrance monitoring systems or similar. The dimensions range from 2000 mm to 4000 mm clear door widths and from 2000 mm to 3000 mm clear door heights. The door is always supplied powder-coated and fulfils protection class IP 54.

SINIUS® is designed for use with lift cars without a car closure, but can also be combined with the **GENIUS® Plus i** roller shutter door from Meiller as a car closure. Each side of the door is driven by a motor and a Premium control unit from the **MiDrive®** range controls the system.

As this is a robust industrial door, a great deal of importance was attached to ensuring the longest possible availability even with dented door panels. Defective door panels can be replaced without much effort. Although the door sill must be grouted on site, the replacement of the sill guide segments in the event of damage is very straightforward. The **SINIUS®** door was primarily developed to replace the existing four-panel folding doors of other manufacturers in a simple and uncomplicated way. Customers receive a modern product that not only fulfils the current standards but also guarantees the function of the lift system for decades to come.

For large industrial and goods lifts equipped with swing doors that are to be modernised, **SINIUS®** is an excellent solution. Even new heavy goods lift installations in the industrial sector can be equipped with it in combination with the **GENIUS® Plus i** roller shutter car door.



SINIUS® Folding Door System - Dimensions

Door design	Clear door width	Clear door height
SINIUS® folding door	CDW = 2000 - 4000 mm	CDH = 2000 - 3000 mm



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