



**FIRE RESISTANT SLIDING STEEL DOOR**

MFD090 FIRE RESISTANT SLIDING STEEL DOOR FL, EI60

Version 06

**Applications**

Used as a partition door between fire protection sections in industrial buildings, warehouses and garages, where the fire resistance class of doors is required to be EI60.

**Dimensions**

The maximum width and height of the opening is 5525 x 4000 mm.

**Conformance certificate**

The door has been tested according to the testing standards EVS-EN 1634-1:2000, EVS-EN 1363-1:1999, in a testing laboratory of TÜV NORD BALTIC OÜ in Tallinn, and is certified according to the standard EN16034:2014 by Inspecta Estonia OÜ with the certificate ET-0118-19 for a fire resistance class EI260.

**Structure**

The door is made of cold rolled sheet steel, by forming, edging and welding. A hanging bus system Helaform is used as the load-bearing structure.

**Door sheet** is 75 mm thick. External and internal side are made of 1,00 mm thick sheet steel. The outer cover panels are connected by welding, profile elements, glue and self-threading screws. Inside the door panel there is heat insulation, for which fireproof mineral wool and mineral boards are used.

**Cover panels** are fastened by self-threading screws and by top-profile and bottom-profile bolts and screws.

**Locking column** is made of cold rolled sheet steel profiles, jointed with a welding seams and reinforcement ribs. The insulation material is mineral wool.

**Finishing**

The doors are painted with polyester powder paint in common colours. The standard colours are RAL9010 (pure white), RAL7001 (silver gray), RAL8014 (sepia brown), RAL9007 (grey aluminum), RAL7024 (graphite grey), RAL9006 (white aluminum). As an option, the doors can be painted in any of the RAL system colours with two-component polyurethane paint and epoxy base paint.

**Locks**

The doors can have an Abloy LC306/35 lock system with a CY064 key seat or an Abloy LC307/35 lock system with a CY046 key seat. NB! The door is lockable from one side only!

**Closing device**

The door must be supplied with one of the following:  
- Closing automatics GILGEN, OVITOR, DICTAMAT or gravity assisted door closer.

**Installation**

The locking column is mounted on the wall hexagonal screws 8x80 mm (Connector aperture diameter is 10 mm). Overhanging strips are installed on top of the opening and against the locking post, fastened with 5x50 mm hex screws (plug opening diameter 8 mm). The carrier system is fastened to the wall with 10x80 mm hex screws (plug opening diameter 12 mm). The door is composed of single panels with bottom and top strips being added and the fastening openings being covered with a strip. The complete door panel is fastened to the carriers and if necessary, closing automatics is added.

In case of installing the door to a light wall, an installation frame must be prepared beforehand!

**Maintenance**

The door must be verified and maintained at least once after every 6 months.

The closing of the door and the functioning of the locking elements must be verified. More specific maintenance information is given in the maintenance manual.

It is possible to sign a maintenance contract upon purchasing the door.

