

## Hörmann steel door MZ /T30 H8-5 Operating Manual

### Product intended use.

Steel fire-rated door **T 30** are designed to ensure protection against fire and smoke. Fire-proofness EI 30 min. as per LST EN 13501-2:2004.

**MZ** single-leaf door with a solid door leaf and special corner frame with dimensions up to **1000 x 2125 mm are of the same structure as T30 H8-5 door.**

Mechanical strength class 2 as per LST EN 1192 for average and severe use conditions, i.e., average frequency conventional use, when there are certain possibilities of events related to unconventional use.

Hörmann uses exceptionally galvanized steel, primed with high-quality powder coating. It is the condition for good protection against corrosion. Thanks to all-round seal and door insulating infill a good tightness, heat retention and noise reduction is guaranteed. Thus the door MZ/T30 H8-5 can be used **as internal and external ones.**

**Hörmann** steel doors **MZ/T 30 H8-5** are made following Quality Management System DIN ISO 9001.

Before operation of door make sure the door is installed correctly.

(according to enclosed door installation manual) and fully assembled, i.e., with handles, plates, inserted lock cylinders, installed all provided seals. If door closers and door leaf supports are provided, pay attention to their correct installation. Door closer is recommended to be installed on the door, which in the factory are specially prepared for installation of a closer (the door closer is reinforced in the installation place). For external door it is recommended **to use stormwater plank.**

### MZ/T 30 door maintenance

In order to ensure long-term operation of doors, their fireproofing and smoke tightness, the door condition shall be inspected periodically once per year and identified defects shall be eliminated.

**General condition** – check if the door is not damaged mechanically, free of corrosion.

**Lock** – check fastening bolts, lubricate lock latchbolt, latch, check their operation. Check if the latchbolt sufficiently presses the door leaf against the frame seals, if not, it is necessary to adjust it or replace with a new one, otherwise the door tightness will not be ensured.

**Hinges** – check their fastening, lubricate the axes and ball bearings. Check adjustment of spring hinge, adjust, if necessary. Replace the worn-out parts.

**Closing mechanisms** – check their fastening to the door leaf and frame. Check adjustment of the mechanism, adjust, if necessary.

**Gap between door leaf and frame** – check the gap, it shall be 4 +/- 1 mm on sides, 6 +/- 1 mm on top and 6 +/- 0.5 mm at the bottom.

**Seals** – check if the seals are not damaged mechanically or not worn-out. If damaged, they must be replaced with the new ones.

**Threshold tightness** – check threshold seal wearing-out, if the door leaf is not enough snug fit, the seal must be replaced.

Maintenance of other additional mechanisms installed in the door (door closers, etc.) shall be performed based on separate operating manuals of these mechanisms.

### Note:

It is recommended that annual maintenance of fire-rated door is performed by qualified specialists. The responsibility for flawless condition of door lies with the party operating the door.

### Technical characteristics

Fire-resistance– EI 30 min. As per LST EN 13501-2:2004

Number of opening and closing– 200,000 cycles. As per LST EN 1191

Mechanical resistance – Class 2. As per LST EN 1192

Thermal conductivity,  $k$  – 1.7 W/m<sup>2</sup>K

Sound insulation,  $R_w$ – 39 dB (when door has bottom seal profile)

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