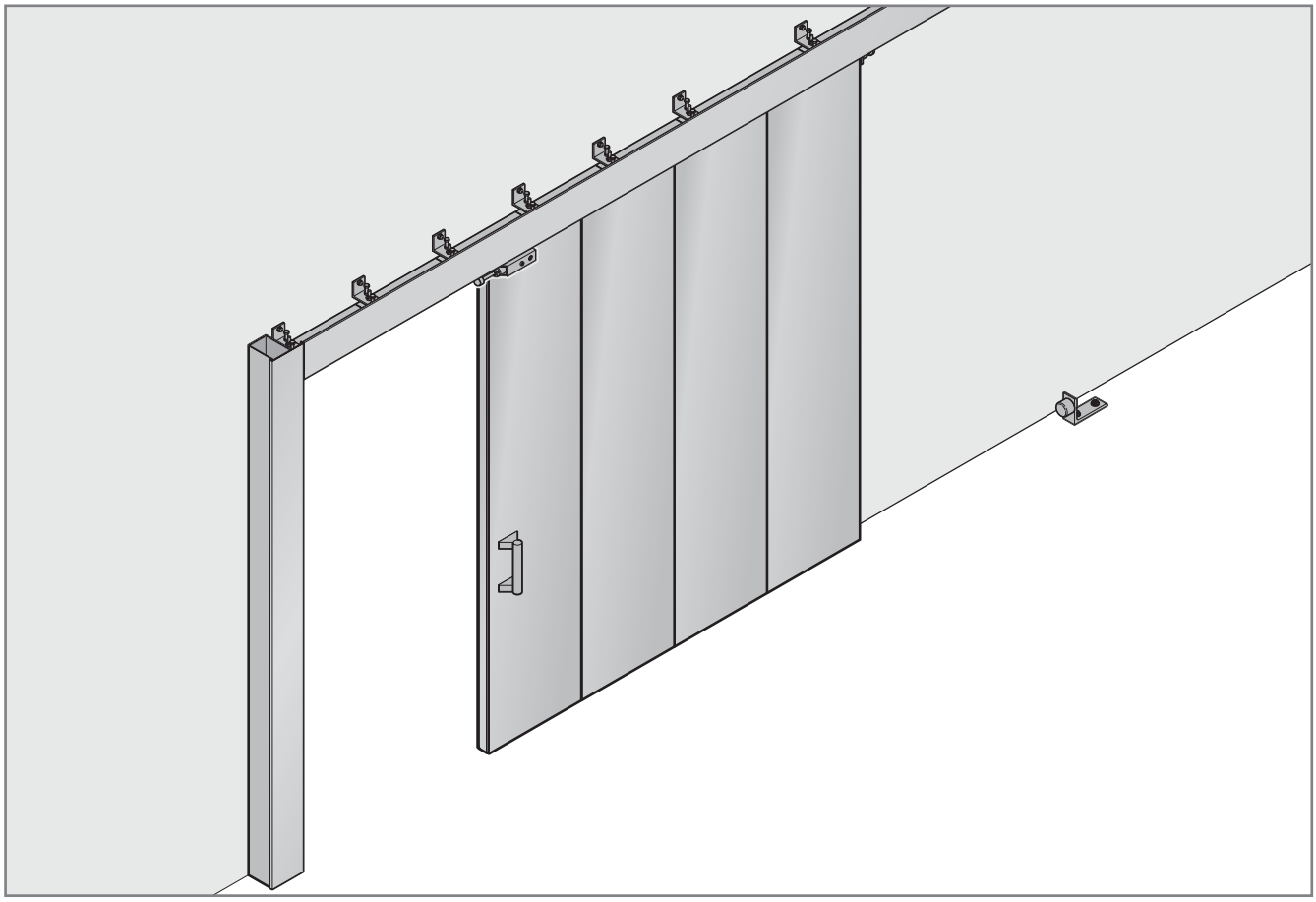


**DE**
## Anleitung für Montage, Betrieb und Wartung
Feuer- und Rauchschutz-Schiebetor Typ FST OD / Mehrzweck-Schiebetor Typ FST MZ OD

**EN**
## Instructions for Fitting, Operating and Maintenance
Fire and smoke-tight sliding door type FST OD / multi-purpose sliding door type FST MZ OD

**FR**
## Instructions de montage, de service et de maintenance
Porte coulissante coupe-feu et anti-fumée type FST OD / Porte coulissante multifonction type FST MZ OD

**ES**
## Instrucciones de montaje, funcionamiento y mantenimiento
Puertas correderas cortafuego y cortahumo tipo FST OD / Puertas correderas de uso general tipo FST MZ OD

**RU**
## Руководство по монтажу, эксплуатации и техническому обслуживанию
Огнестойкие и дымонепроницаемые откатные ворота, тип FST OD / Откатные ворота многоцелевого назначения, тип FST MZ OD

**NL**
## Handleiding voor montage, bediening en onderhoud
Brand- en rookwerende schuifdeur type FST OD/universele schuifdeur type FST MZ OD

**IT**
## Istruzioni per il montaggio, l'uso e la manutenzione
Portone tagliafuoco e antifumo scorrevole tipo FST OD / Portone scorrevole multiuso tipo FST MZ OD

**PL**
## Instrukcja montażu, eksploatacji i konserwacji
Przeciwpożarowa i dymoszczelna brama przesuwna typu FST OD / wielofunkcyjna brama przesuwna typu FST MZ OD

**HU**
## Szerelési, üzemeltetési és karbantartási utasítás
FST OD tűz- és füstgátló tolókapu / FST MZ OD többcélú tolókapu

**CS**
## Návod k montáži, provozu a údržbě
Protipožární a kouřotěsná posuvná vrata, typ FST OD / Multifunkční posuvná vrata, typ FST MZ OD

**SL**
## Navodila za montažo, delovanje in vzdrževanje
Ognjevarna in dimotesna drsna vrata tipa FST OD / Večnamenska drsna vrata tipa FST MZ OD

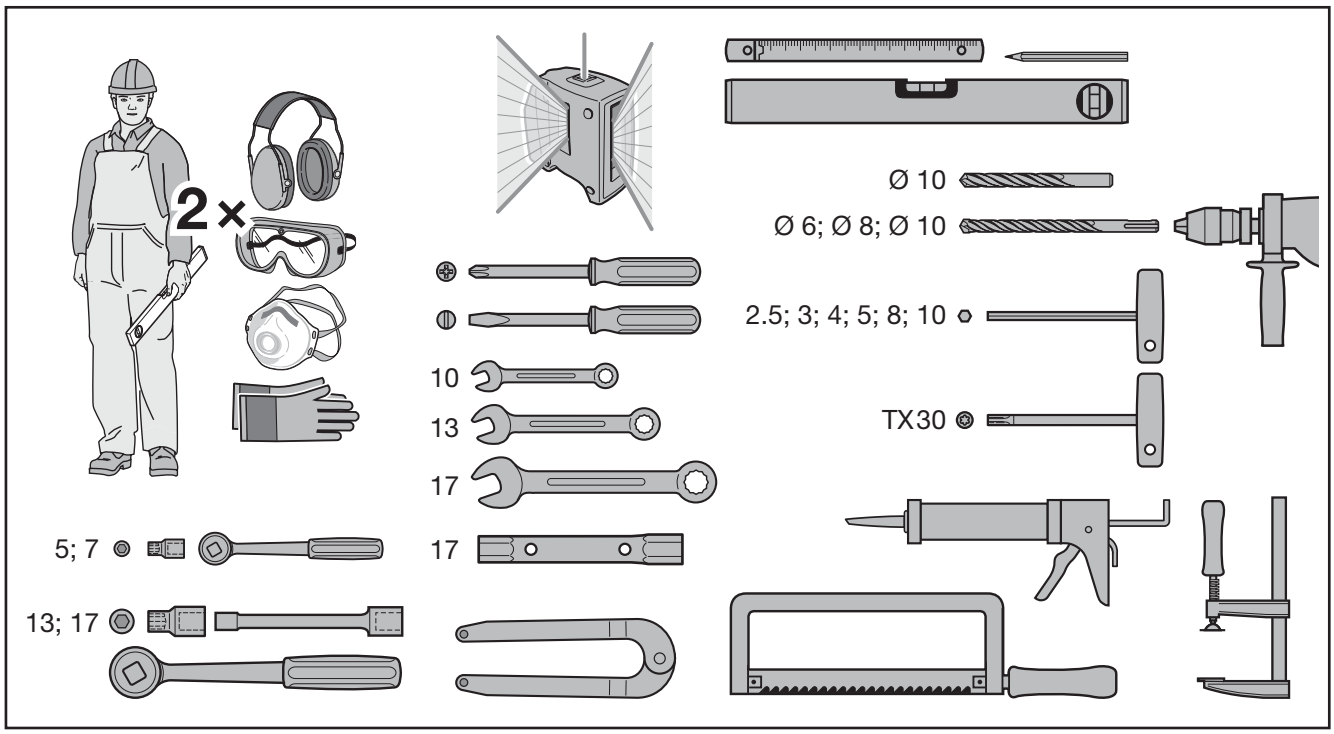
**SK**
## Návod na montáž, prevádzku a údržbu
Protipožiarna a dymotesná posuvná brána typ FST OD / viacúčelová posuvná brána typ FST MZ OD

**EL**
## Οδηγίες συναρμολόγησης, λειτουργίας και συντήρησης
Συρόμενη πόρτα πυρασφάλειας και καπνοπροστασίας τύπου FST OD / Συρόμενη πόρτα γενικής χρήσης τύπου FST MZ OD

**RO** **BG**

2 043 005 / HF 85935 RE / Stand: 05.2021 / Duck: 05.2021

HÖRMANN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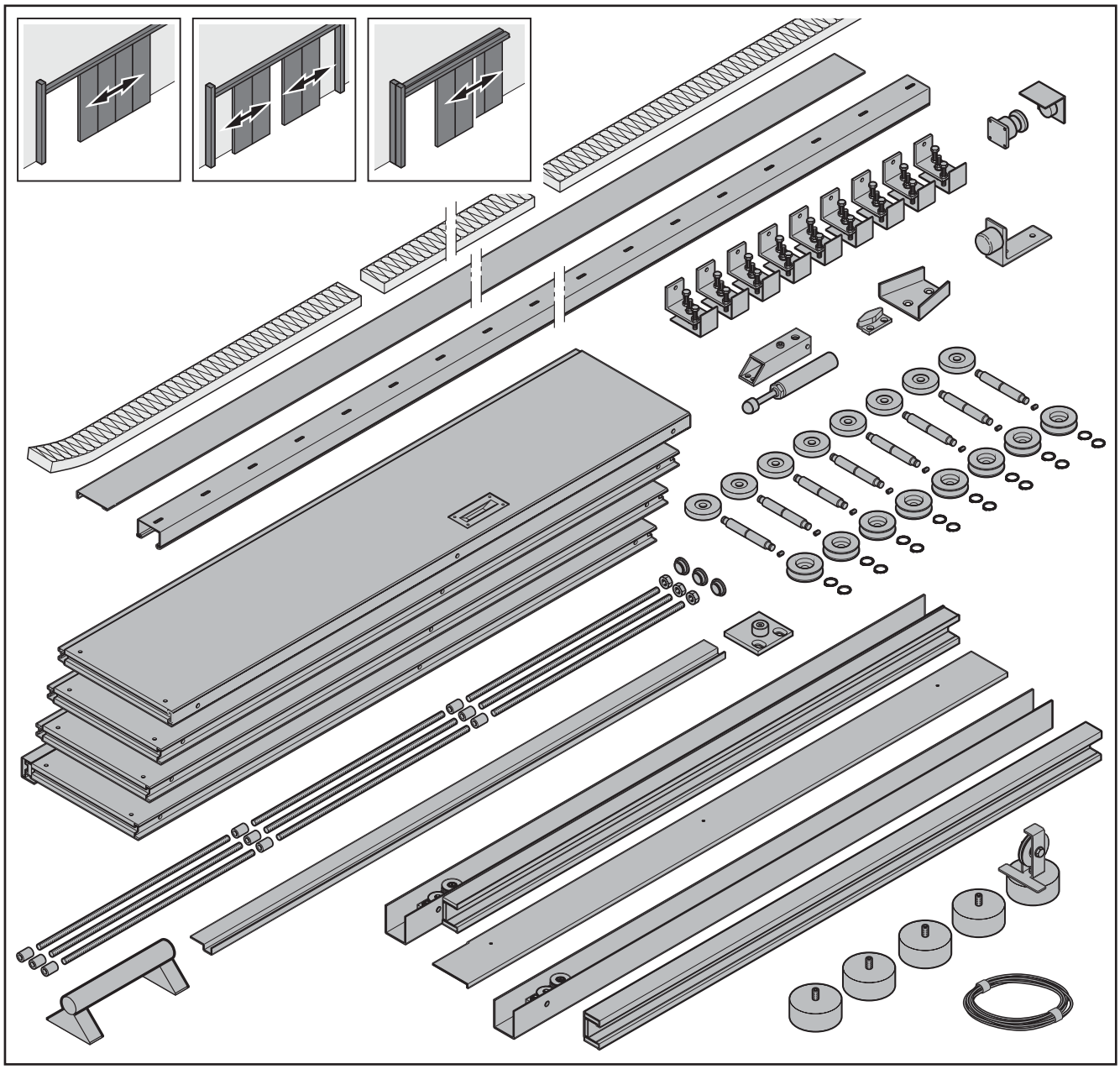

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These instructions are original operating instructions as outlined in EC Directive 2006/42/EC and are divided into a text and illustrated section. The instructions contain important information on the product, and especially safety instructions and warnings.

**Read through the instructions carefully. Keep these instructions in a safe place.**

For the initial start-up, the fitting instructions for the operator and any other external control devices are required.

## 1 Warnings used

| ⚠ DANGER |
|---|
| Indicates a danger that immediately leads to **death** or **serious injuries**. |
| **⚠ CAUTION** |
| Indicates a danger that can lead to **minor** or **moderate injuries**. |
| **ATTENTION** |
| Indicates a danger that can lead to **damage** or **destruction of the product**. |

### 1.1 Symbols used

Important note for avoiding damage to property

Permissible arrangement or activity

Non-permissible arrangement or activity

Remove and recycle the component/ packaging

Single-leaf fire and smoke-tight sliding doors

Double-leaf fire and smoke-tight sliding doors

Telescopic fire and smoke-tight sliding doors

Move the component slowly and carefully

Wall fitting

Direct fitting to the ceiling

Suspended ceiling fitting

Version in stainless steel

Drilling in concrete

Drilling in brickwork

Optional components

Compensator function

Wicket door

Electrical operator

Check

Fire protection

Close

Open

Thread lock

Sealing

See text section

See illustrated section

$S_a$ = smoke protection at ambient temperature, $S_{200}$ = smoke protection at increased temperature

### 1.2 Abbreviations used

| | | | |
|---|---|---|---|
| **FSK** | Fire protection category | **LDH** | Clear passage height |
| **OFF** | Finished floor level | **LDB** | Clear passage width |
| **MZ-ST** | Multi-purpose sliding door | | |

In this document, the terms **door** and **sliding door** will be used in lieu of the terms fire and smoke-tight sliding door.

### 1.3 Scope

- **FST 30 OD**
- **FST 60 OD**
- **FST 90 OD**
- **FST 120 OD**
- **FST MZ OD**

## 2 ⚠ Safety instructions

| ⚠ DANGER |
|---|
| **Danger to life when fitting the fire sliding door elements**<br>The door / door frame can fall over during fitting and may cause injury to persons.<br>▶ Secure both against falling over before and during fitting. |

- Only specialists in accordance with EN 12635 may fit, service, repair and disassemble sliding door FST.
- Electrical work may only be carried out by trained specialists.
- Do not make any alterations through attachments and conversions.
- Take precautionary measures when cauterising, grinding and welding.
- Intumescent materials must not react as a result of heat input.

### 2.1 Intended use

EN 13241 specifies the application for installation, fitting and use.

- Observe the operating and maintenance instructions.
- Comply with the inspection and maintenance conditions.
- Only operate the sliding door if it is technically sound and in perfect working order.
- Only commission the manufacturer or specialist companies for repairs and maintenance on the sliding door.
- Comply with the respective national regulations and approvals.

### 2.2 Non-intended use

The fire and smoke-tight sliding door is not suited:

- As an external door
- As a cold-storage door
- As a wet room door

Applying decor foils or metal sheets to the door leaf is not permitted.

**There is no liability for damage caused by non-intended use.**

### 2.3 Spare parts and accessories

Only use original spare parts.

### 2.4 Safety instructions for operation

**⚠ WARNING**

**Danger of injury due to door run**

- ▶ The area of travel of the door system must always be kept free from obstructions.
- ▶ No persons or objects are allowed within the danger area of the door.

- Secure the sliding door immediately in case of damage. Repairs may only be carried out by trained specialists.
- As per EN 12604 a gravity-driven sliding door must be equipped with a visual-acoustic warning device. The visual-acoustic warning must accompany the door closing process.

### 2.5 Approved walls, wall thicknesses, fastenings and fitting

Determine the height of the concrete lintel, depending of the door height, with ≥ 255 mm or ≥ 295 mm.

Before fitting, make sure there are no gaps > 20 mm between the fire sliding door frame and wall components (see **Figure 2**)

| Approved walls and components | | Minimum thickness [mm] | | |
|---|---|---|---|---|
| | | $EI_2$30 | $EI_2$60 / $EI_2$90 | $EI_2$120 |
| **A** | Reinforced concrete acc. to EN 1996-1-1 | **140** | **140** | **175** |
| **B** | Brickwork acc. to EN 771-1, compression strength min. M12, apparent density class min. 0.9, mortar acc. to 998-2, min. compression strength M5 | **175** | **175** | **240** |
| **C** | Sand-lime brickwork acc. to EN 771-2, compression strength min. M12, apparent density class min. 0.9, mortar acc. to 998-2, min. compression strength M5, max. LDB 3500 × 3500 mm | **150** | **—** | **—** |
| **D** | Gas concrete acc. to EN 771-4, compression strength min. M4, min. apparent density class 0.5, mortar acc. to DIN EN 998-2, min. compression strength M3 *(Only in combination with a steel concrete lintel over the entire track length)* | **175** | **240** | **—** |
| **E** | **Timber partition wall** with OSB boards, cladded timber partition wall as per described structure, min. thickness 110 mm, max. LDB 3500 × 3700 mm | **110** | **—** | |
| **F** | Steel girders, fire-proof encased steel components *(Static requirements)* | **min. REI30** | **min. REI90** | **min. REI120** |

| Approved fastenings | | |
|---|---|---|
| **A** | Steel anchor Ø 10 × ≥ 80 | **Yes** |
| | Bonded anchor with steel bolt M10 × ≥ 80 mm | **Yes** |
| **B** | Through-bolt fixing M10 with hex nut and counterplate | **Yes** |
| | Plastic dowels with steel screws Ø 10 × ≥ 120 mm | **Only on side** |
| **C** | Through-bolt fixing M10 with hex nut and counterplate | **Yes** |
| | Plastic dowels with steel screws Ø 10 × ≥ 120 mm | **Only on side** |
| **D** | Steel anchor Ø 10 × 80 mm | **Yes** |
| | Through-bolt fixing M10 with hex nut and counterplate | **Only on side** |
| | Plastic dowels with steel screws Ø 10 × ≥ 120 mm | **Only on side** |
| **E** | Hexagon screws M10 × 100 mm | **Yes** |
| | Hexagon screws M8 × 80 mm | **Only on side** |
| **F** | Steel screw M10 × 60 mm | **Yes** |
| | Steel screw M8 × 60 mm | **Only on side** |

## 3 Fitting

### 3.1 Overview

| No. | Description (see illustrated section) | | |
|---|---|---|---|
| **1a** | Single-leaf handle element, telescopic handle element | **1b** | Double-leaf handle element |
| **2** | Normal element | **3** | Connection element |
| **4a** | Labyrinth element | **4b** | Telescopic labyrinth element |
| **5** | Wicket door | **6** | Pull connection, threaded rod |
| **7** | Guiding profile | **8** | Weight box on guiding profile: **Normal guiding** variant |
| **9** | Weight box in parking area: **Normal guiding, weight diverted** or **flush guiding** variant | **10** | Track control |
| **11** | Closing weight | **12** | Cable |
| **13** | Track | **14** | Labyrinth profile |
| **15** | Floor buffer | **16** | Telescopic anchor |
| **17** | Magnet 24 V DC | **18** | Roller device |
| **19** | Support bracket | **20** | Grip handle |
| **21** | Cable clamp plate | **22** | T-piece |
| **23** | Cladding | **24** | Door lock |
| **25** | Travel limit damper | | |

Fitting on tiles is possible. Increase the anchoring length of the dowels by the thickness of the tiles.

### 3.2 Floor condition, floor clearance

The door opening and floor of the building must be prepared before fitting the sliding door.

After fitting the concrete floors, the slab edges may lift (curling). This does not constitute grounds for a complaint regarding the sliding door. In correctly fitted sliding doors, the floor clearance can change such that proper function is no longer guaranteed.

The floor of the sliding door FST-90 OD must not be flammable (class A1 according to EN 13501-1). On both sides of the door leaf surface, the fire-proof area must be at least 150 mm.

With FST-30 OD, parquet or carpet flooring of class $C_{FL}$-S1 according to EN 13501-1 can be used. With smoke-tight doors, the floor must be seamless. Carpet flooring is not permitted.

Permissible floor clearance:

- Fire door 15 mm ± 7 mm
- Smoke-tight door 15 mm + 5 mm / – 7 mm

Doors with smoke protection function require a seamless floor or a stainless steel floor rail (not included in the standard delivery).

### 3.3 Higher fitting position for fire sliding doors

A higher fitting position means a one-sided downward offset of over 500 mm, e.g. in an installation shaft or offset hall levels. In this case, the door leaf edge must be at least 200 mm away from this offset. You have to fit a smoke-tight seal on 4 sides.

### 3.4 Door guiding variants (Figure 1a / 1c)

- **Normal guiding (A):**
  The weight box with closing weight is located on the inlet side. The weight box is combined with the guiding profile.
- **Normal and flush guiding with diverted closing weight (B), (C), (D):**
  The weight box with closing weight is located at the end of the track in the parking area. The cable is diverted.

### 3.5 Track fitting variants (Figure 2/5/6)

- **Wall fitting**
  For wall fitting, fit the track to the wall via support brackets.
- **Direct fitting to the ceiling**
  For ceiling fitting, fit the track right to the ceiling.
- **Suspended ceiling fitting**
  For suspended ceiling fitting, fit the track on the ceiling via a suspension bracket.
- **Fitting to the ceiling with a false lintel:**
  If there is no lintel in the opening area on-site, you can fit a cladded shaped tube construction to the ceiling (false lintel).

### 3.6 Fixing the door frame

**ATTENTION**

**Fastening elements**

High dynamic forces occur when the sliding door is opened and closed. Strong deformation may result in case of a fire.

- ▶ Fastening elements must be able to reliably absorb forces.

Fixing of the track, guiding profile, weight box and labyrinth profile is dependent on the construction subsurface.

- Only use fasteners from Table **2.5** or fasteners with similar properties. Plastic dowels with Fischer FUR 10 steel screw or equivalent. Steel anchor MKT B 10 / 15 or equivalent. Heavy-duty anchor MKT SZ-S steel or equivalent.
- Bolt the product through the wall using M 10 threaded rods and counterplates.

- Use suitable fixing material for the construction subsurface when fitting the recess flaps.

Go through the work steps in order.

### 3.7 Suspending and joining the door elements

**ATTENTION**

**Incorrect fitting of the door elements**

Incorrect fitting of the door elements can lead to them being bent.

- ▶ Position the door elements vertically during fitting (see **Figure 7.3**).
- ▶ Make sure that the door elements are firmly connected.
- ▶ Only tighten the tensioning nuts moderately (**Figure 7.9**).

**NOTE:**

To prevent fires and increased temperatures from impairing the room partition, close the gaps between wall-side profiles and uneven wall surfaces.

- **Gaps ≤ 5 mm:**
  - Only have to be sealed with silicone / acrylic in case of smoke-tight function.
- **Gaps > 5 – 20 mm:** (not uniform over the entire profile length)
  - Backfill with mineral wool of building materials class A1.

### 3.8 Non-paintable parts

The following parts must not be painted:

- Track / rollers
- Electric magnet
- Hydraulic track control
- Travel limit damper
- Floor buffer / roller
- Cable and return pulleys
- Toothed belt
- Door closers
- Lever handle / recessed lever handle / folding ring

### 3.9 Door lock (optional)

Optionally, the sliding door can be equipped with a curved bolt lock or a hook catch lock. The locks are already fitted at the factory. The lock plate height can be set in the guiding profile.

**ATTENTION**

**Damage to the curved bolt lock**

Due to closing the sliding door with the bolt extended.

- ▶ Do not lock the open sliding door.
- ▶ First adjust the closing speed of the door, then activate the lock system.

**ATTENTION**

**Damage to the hook catch lock**

Due to opening the locked sliding door.

- ▶ Do not open a locked sliding door.
- ▶ First adjust the closing speed of the door, then activate the lock system.
- ▶ The door leaf must not bounce back after closing.
- ▶ Adjust the travel limit dampers and closing speed.

### 3.10 Installing the hold-open device

The fitting of the hold-open device is determined by the fitting instructions and the manufacturer's construction technique permit if applicable. Please inquire about any short-notice changes to the fitting conditions if necessary.

### 3.11 Installing the electric opening aid

Observe the manufacturer's installation instructions.

### 3.12 Installing the optical / acoustic alarm system

Observe the manufacturer's installation instructions.

## 4 Initial start-up

Before completing fitting, check that the sliding door is functioning properly.

Check the following:

- Track bearing surfaces may not be painted.
- Fit the track in a horizontal position when switched off at the mains.
- The door leaf must pass walls, lintels, and recesses without any contact.
- The door must be able to close independently from any position.
- The closing weight in the weight box must not make contact, block or hit the upper or lower end in any end-of-travel position of the sliding door.
- The closing weight cable may not chafe at any point.
- Return pulleys must be easy to move.
- The closing speed of the door leaf must be between 0.08 m/s and 0.20 m/s. This results in a travel time of 5 –12 s/m (Figure **12**).
- Doors with smoke protection function require a seamless floor or a stainless steel floor rail (not included in the standard delivery).

## 5 Operation

**⚠ CAUTION**

**Danger of injury due to door run**

- ▶ Objects and persons, especially children, must not be in the door system's range of motion or opening.
- ▶ When moving to the end-of-travel position and for doors with compensator function, use the grip handle, and not the recessed handle.
- ▶ For doors with compensator function, the door leaf is decoupled from the closing weight and can be moved very easily.
- ▶ Open the door slowly by hand.
- ▶ High opening speeds can cause damage to the floor buffer and the magnet support bracket.

**Opening (without electric operator):**

- ▶ Open the door leaf up to the stop / hold-open device by hand.

**Hold-open device in the *Door open* position:**

The hold-open device consists of a telescopic anchor and an electric magnet (24 V DC). The electric magnet is wired to a smoke detector.

The leaves are released by:

- Push button
- Smoke detector
- Power failure

**Closing (without electric operator):**

**ATTENTION**

**Exceeding the closing speed**

Accelerating the closing speed may damage the closing device and the guiding profile.

- ▶ Do not exceed the set closing speed of the sliding door (for example by pushing manually). The steel cable will become trapped and damaged. The correct closing of the door can then no longer be ensured. The steel cable may break.

The closing weight closes the released door leaf. The closing weight is connected to the labyrinth element via a pull cord.

- ▶ The closing speed of 0.08 m/s to 0.2 m/s or a travel time of 5 – 12 s/m can be set on the hydraulic track control (Figure **12**).

## 6 Checking and maintenance

The owner or a person authorised by the owner is responsible for proper maintenance of the sliding door in the specified intervals.

- ▶ Functional parts, particularly safety components, may only be exchanged by specialists.
- ▶ Document maintenance.

**At least 1 × monthly:**

- General visual inspection of the door leaf and frame for damage / changes
- Check the function of the fire alarm system (smoke detector), self-closing mechanism, hold-open device (electric magnet)
- Check the seals (with the smoke-tight door version) for wear and correct position
- Replace defective parts using original spare parts
- Check closing speed
- Lock plates for the locks / latches must be free of obstacles

**At least 1 × a year:**

- **Check fixings:**
  - Check the connections between the track, guiding profile, weight box and labyrinth profile to the wall
  - All fitting screws
- **Track:**
  - Check for cleanliness and clean if necessary.
  - Apply a thin layer of multi-purpose grease (NLGI class 2, water-resistant, acid-free) to the track bearing surfaces.
- **Door travel properties:**
  - Checking for perfect door travel
  - Check for unusual noises when opening and closing
- **Cable:**
  Check for wear, corrosion, chafing, creasing and wire tearing
- **Cable fastening:**
  Check the cable fastening on the door leaf and in the weight box
- **Cable pulleys and hydraulic track control:**
  - Cable pulleys are easy to move
  - Function of the hydraulic track control
- **Floor guide roller:**
  Function of the floor guide roller

- **Information signs and ID plates:**
  Legibility of all information signs and ID plates

**Fire sliding doors with wicket door**

Check fastening and function:

- Closers
- Hinges
- Lock

**NOTE:**

Shorten the maintenance intervals in case of excessive dust, dirt, moisture, chemicals, etc.

For fire sliding doors with opening aids (see **Figure 16**) you also have to set the closing speed of the door via the hydraulic track control in the weight box.

Set the track control on the opening aid to the minimum resistance.

## 7 Cleaning and care

Clean and oil all mechanical parts with suitable cleaning agents depending on the wear and as required, but at least 1 × a year.

| ATTENTION |
| --- |
| **Unsuitable cleaning agents and incorrect cleaning**<br>▶ Do not use any high-pressure cleaners, lyes and acids for cleaning.<br>▶ Do not rub hard.<br>▶ Never use abrasive sponges containing metal, steel wool or steel brushes, products that contain chloride, particularly hydrochloric acid products, bleach or silver polish. |

### 7.1 Surface treatment

#### 7.1.1 Galvanized surfaces

- ▶ Use clear water.
- ▶ Use warm water together with a neutral, non-abrasive cleaning agent (household detergent, pH value°7) if more heavily soiled.

When using mildly acidic, neutral or alkaline degreasing agents, immediately clean the surface with water. The residue-free removal of the degreasing agent prevents chemical damage to the zinc surface.

#### 7.1.2 Removal of white rust from galvanized surfaces

- ▶ Remove white rust residue-free by using hard nylon brushes.
- ▶ Wire brushes are not suitable.
- ▶ Dark spots or tinting usually left after brushing adapt to the environment with time.

Contact a specialist painting company in case of repeated white rust formation.

#### 7.1.3 Powder-coated surfaces

The surface of the door leaf and frame consists of a primer powder-coating based on epoxy resin and polyester.

- ▶ Clear water is sufficient for cleaning and care.
- ▶ Use warm water together with a neutral, non-abrasive cleaning agent (household detergent, pH value°7) if more heavily soiled.

#### 7.1.4 Stainless steel surfaces

Conduct an initial passivation of the stainless steel door construction after completion of the construction work. Contact the supplier for further information.

When using stainless steel doors first make sure that the quality of the stainless steel is suitable for the application. Stainless steel may rust. To prevent corrosion, remove the protective film completely right after fitting, however no later than 3 months.

- ▶ Clean stainless steel surfaces with a damp cloth or shammy.
- ▶ For heavier soiling, use a common (non-ferrous) sponge.
- ▶ Remove fingerprints, as well as oily and greasy contamination, with a special cleaning agent (e.g. NIRO-Brillant).

### 7.2 Recommendations for material selection

Fire sliding doors can be optimised for their application by selecting the appropriate materials. Under certain conditions, stainless steel products may be affected by surface corrosion, pitting or crevice corrosion or stress corrosion cracking.

More information is available directly from the manufacturing factory.

## 8 Dismantling

Dismantle the door in accordance with these fitting instructions in the logically correct reverse order.

### 8.1 Disposal

Disassemble the sliding door into individual parts after dismantling. Recycle or dispose of the components in accordance with local official regulations.

## 9 Malfunctions and troubleshooting

| | Malfunction | Possible cause | Remedy | View |
|---|---|---|---|---|
| 1 | **Sliding door does not fully close** | Electric magnet does not release the door | ▶ Check push button and wiring. | — |
| | | Track not fitted horizontally | ▶ Align the track horizontally. | **6a.4** |
| | | Track hangs forward | ▶ Align the track horizontally. | **6a.4** |
| | | Track fitted **in waves** | ▶ Align the track horizontally. | **6a.4** |
| | | Track fitted in a distorted manner | ▶ Adjust the track fixing bracket correctly. | **6a.4** |
| | | Track is dirty | ▶ Clean the track bearing surfaces. | **7.1** |
| | | Door elements are distorted | ▶ Loosen the tensioning nuts. Re-align the elements. | **7.9** |
| | | Rollers incorrectly fitted | ▶ Check the position of rollers (concave, straight) and that fitting on the axle is correct. | **7.5** |
| | | Door leaf scrapes against the floor | ▶ Adjust the door leaf to the correct floor clearance. | **7.7** |
| | | Door leaf touches the brickwork in the parking area | ▶ Increase the wall spacing by refitting the sliding door. | — |
| | | Cable is jammed | ▶ Check the cable guide and the return pulleys. | — |
| | | Closing weight does not move | ▶ Check vertical fitting of the weight box. | **4** |
| | | | ▶ Check the weight box for damage. | — |
| | | | ▶ Check fitting of the anti-rotation safeguard. | **11a.3** |
| | | | ▶ Shorten the cable so that the weight does not touch the floor prematurely. | **11a.3** |
| | | Door leaf touches the guiding profile | ▶ Align the guiding profile. | **4** |
| | | Guidance damper adjusted too strongly | ▶ Adjust the guidance damper. | **9.6a** |
| | | Door leaf is slowed down by the wall labyrinth | ▶ Move the wall labyrinth. | **9.2** |
| | | Increased frictional resistance due to a rough bottom surface for the ST seal | ▶ Process the bottom surface. | — |
| | | | ▶ Adjust the door leaf to the correct floor clearance. Increase the closing weight. | **15.3** |
| 2 | **Door closing speed too slow** | Hydraulic track control damping is too large | ▶ Adjust the damping. | **12.1** |
| | | The bearing above the brake roller (= cable skip safety) is pressing against the brake roller | ▶ Adjust the bearing so that no pressure is exerted on the cable or brake roller. | — |
| | | Hydraulic track control damping is correct: | ▶ Search for the error under malfunction 1. | — |
| 3 | **Door closing speed too fast** | Hydraulic track control damping is too small | ▶ Adjust the damping. | **12.1** |
| | | Track fitted with slope in the direction of the guiding profile | ▶ Align the track horizontally. | **6a.4** |
| | | Closing weight too high | ▶ Reduce the closing weight. | — |
| | | The operational direction of the brake roller was not adjusted on-site | ▶ Turn the brake roller. | **11a.2** |
| 4 | **Not enough track fixing brackets supplied** | Different fitting distance of the lintel and parking area was not taken into account | ▶ Fit the support brackets according to the specified distance. | **5** |
| 5 | **Cable tear** | Cable sags or is not under tension | ▶ Adjust the track horizontally. | — |
| | | | ▶ Do not close the door by hand. | — |
| | | | ▶ Closing weight is slowed down in the weight box. See malfunction 1. | — |
| 6 | **Unusual noises when opening and closing** | Rollers touch in the track | ▶ Adjust the track fixing brackets correctly. If the track is distorted, see malfunction 1. | **6a.4** |
| | | | ▶ Align the track horizontally. If the track hangs forward, see malfunction 1. | **6a.4** |
| | | Track is dirty | ▶ Clean the track bearing surfaces. | **7.1** |
| | | Door leaf scrapes against the floor | ▶ Adjust the floor clearance correctly. | **7.7** |
| | | Door leaf touches the brickwork in the parking area | ▶ Increase the wall spacing by refitting the sliding door. | — |
| | | Door elements touch the track | ▶ Door elements are distorted. Loosen the tensioning nuts. Re-align the elements. See malfunction 1. | **7.9** |
| | | Closing weight does not move fault-free | ▶ Check vertical fitting of the weight box. | **4** |
| | | | ▶ Check for damage to the weight box. | — |
| | | | ▶ Check fitting of the anti-rotation safeguard. | **11a.3** |
| | | | ▶ Shorten the cable so that the weight does not touch the floor. | **11a.3** |
| 7 | **Open sliding door cannot be fixed** | Electric magnet does not fix | ▶ Check push button and wiring. | |
| | | | ▶ Check the electric magnets. | |
| | | | ▶ Check the power supply. | |