

# ***MOUNTING INSTRUCTION FOR AUTOMATIC SLIDING DOOR***

## MODEL

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**AS0401 / AS0402**

**AS0601 / AS0602**

**AS0801**

**AS1001 / AS1002**

**AS1501 / AS1502**

**AV1001**

**AV1501**

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## General information

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This installation manual applies to both manual and automatic sliding doors and should be read carefully before installation begins. This manual is primarily intended for installers.

The complete user manual for the door consists of this installation guide (provided only when Door System is not responsible for the gate installation), operation and maintenance manual, CE marking documentation (if the door is CE marked), and door control (only for automatic doors).

## This instruction covers

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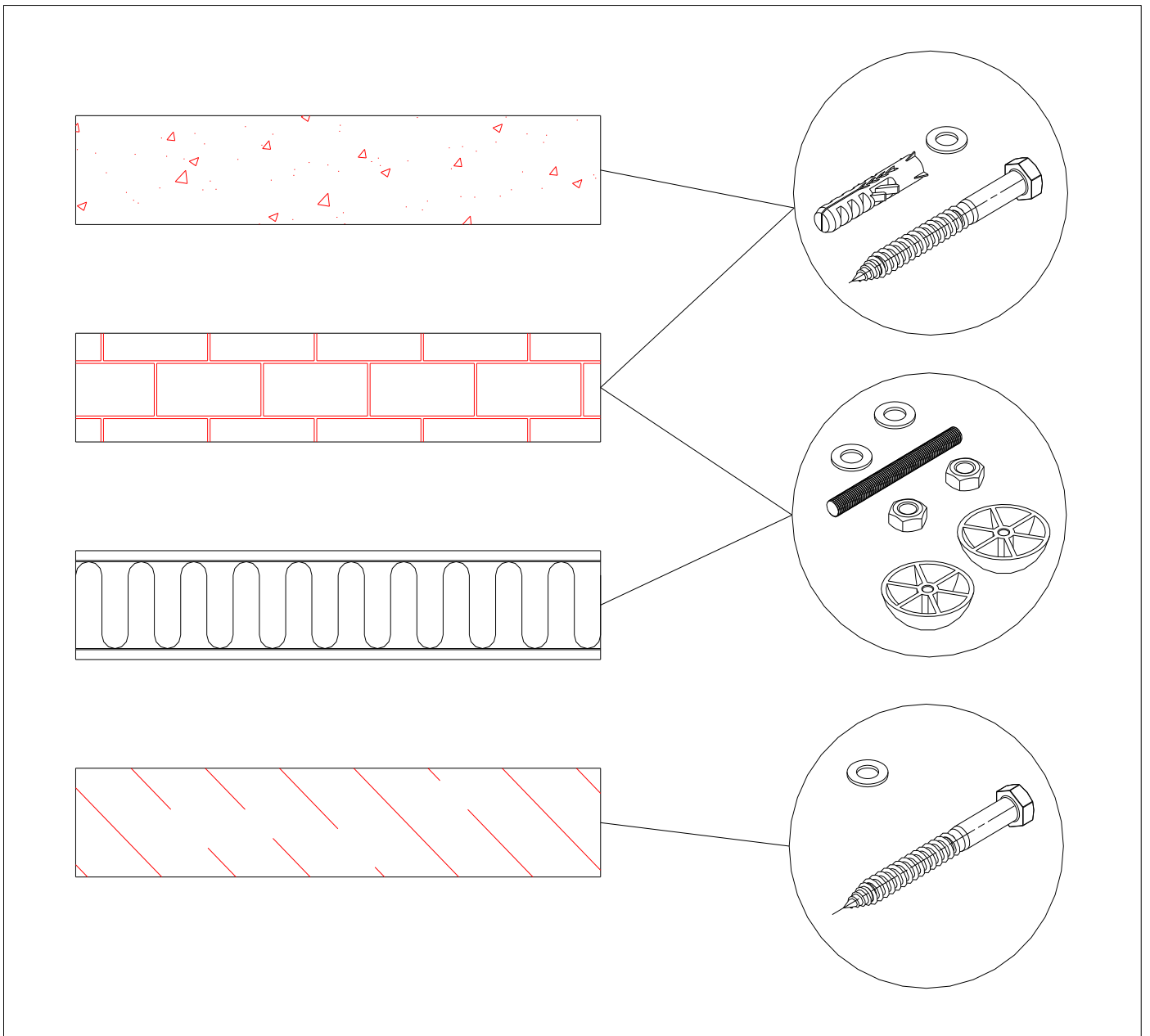
This instruction covers all variations of the models stated on the front page. A variation contains the model number and following letters and possible numbers. For example, a variation can be (based on the model number AS1001): AS1001K, AS1001F, AS1001FB, AS1001KB etc. Labelled and approved fire doors are not covered by this instruction.

## Content of delivery

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Beskrivelse	Bemærkning
Counter frame, 3 or 4 frame parts incl. connectors.	Option
Frame with mounted sliding rail, bracket of impact, stop connector, top connector, limit stop and photocells. Photocells, Push buttons and emergency exit. Hose for cables. Connectors for cover (option).	
Support for sliding rail.	Only at light walls
B-sliding rail with connectors for cover (option). Strap and connectors.	
Kit with guide rail for the floor incl. fasteners.	
Door leaf with connectors for rollers and handle.	
Motor incl. cable and censor.	
Push buttons and emergency exit incl. cable.	
Necessary bolts, muster, screws and plugs for installation.	

## Type of wall/fastening



## Mounting

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It is recommended that at least 2 people are present during the installation of sliding doors. Please note that sliding doors are often very heavy, so the use of lifting equipment is recommended, especially for handling the door leaf.

## Tools for mounting

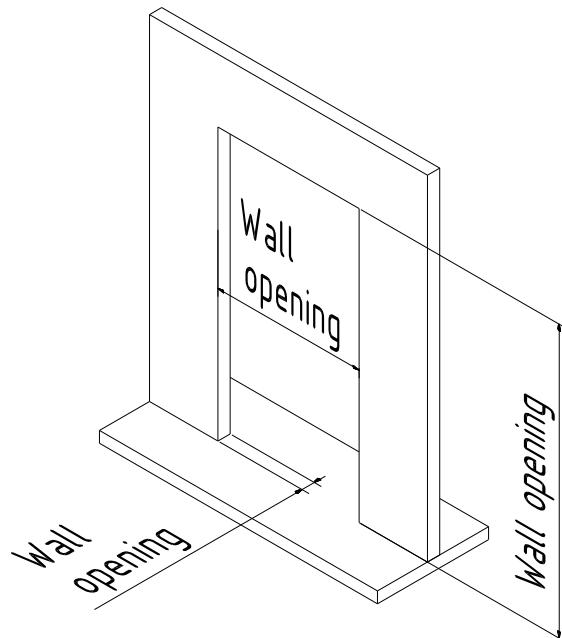
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Wedge  
Level  
Clamps  
Power drill/screwdriver/riveter  
Bolts/screws/plugs etc.  
Optional suction cup machine for handling the door leaf.

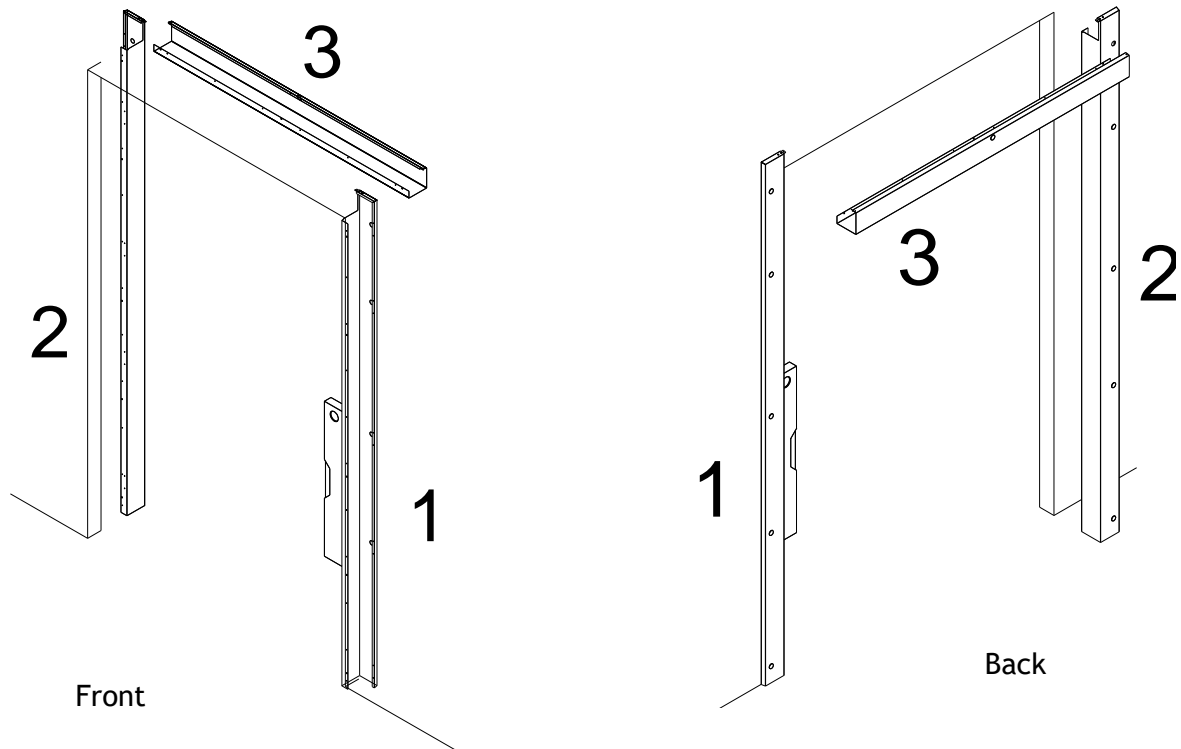
## Control of wall opening

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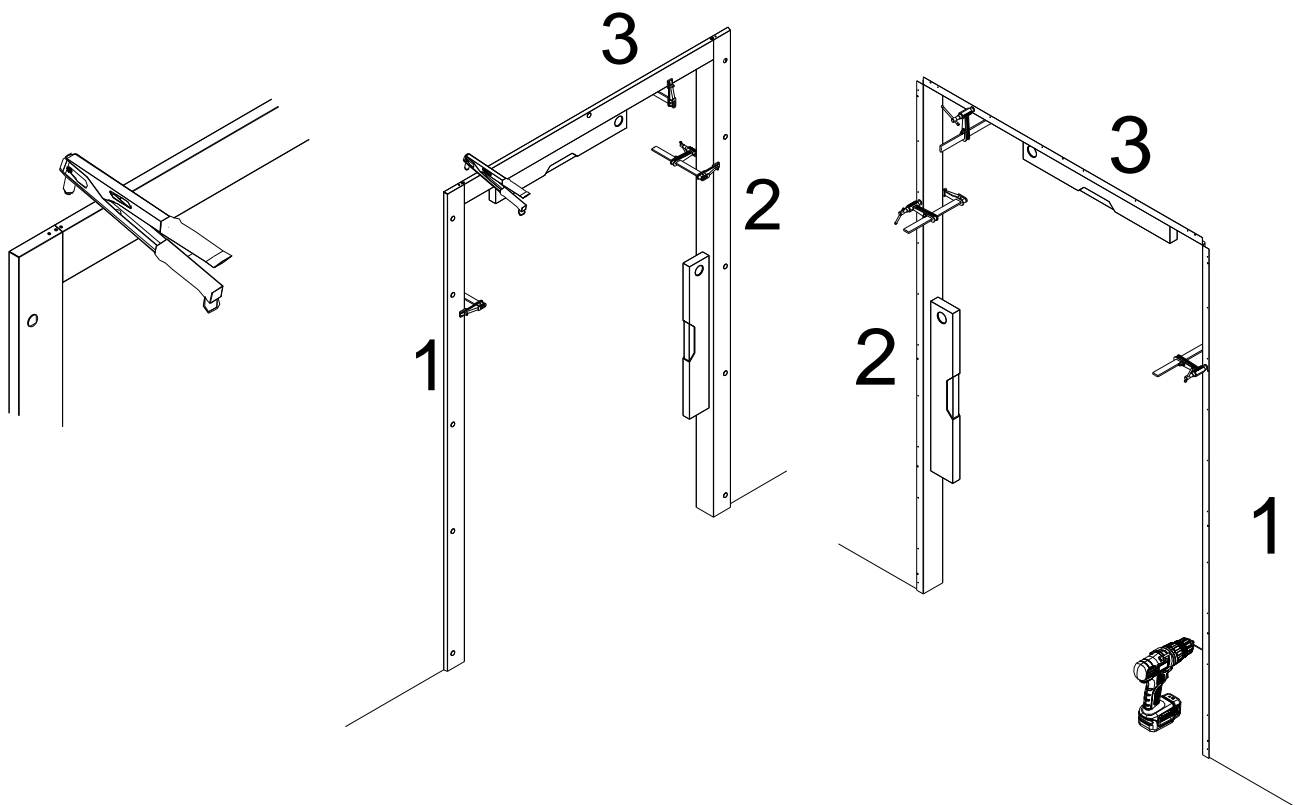
Make sure the wall opening is level and perpendicular and in accordance with the order confirmation.



## Mounting of counter frame (option)



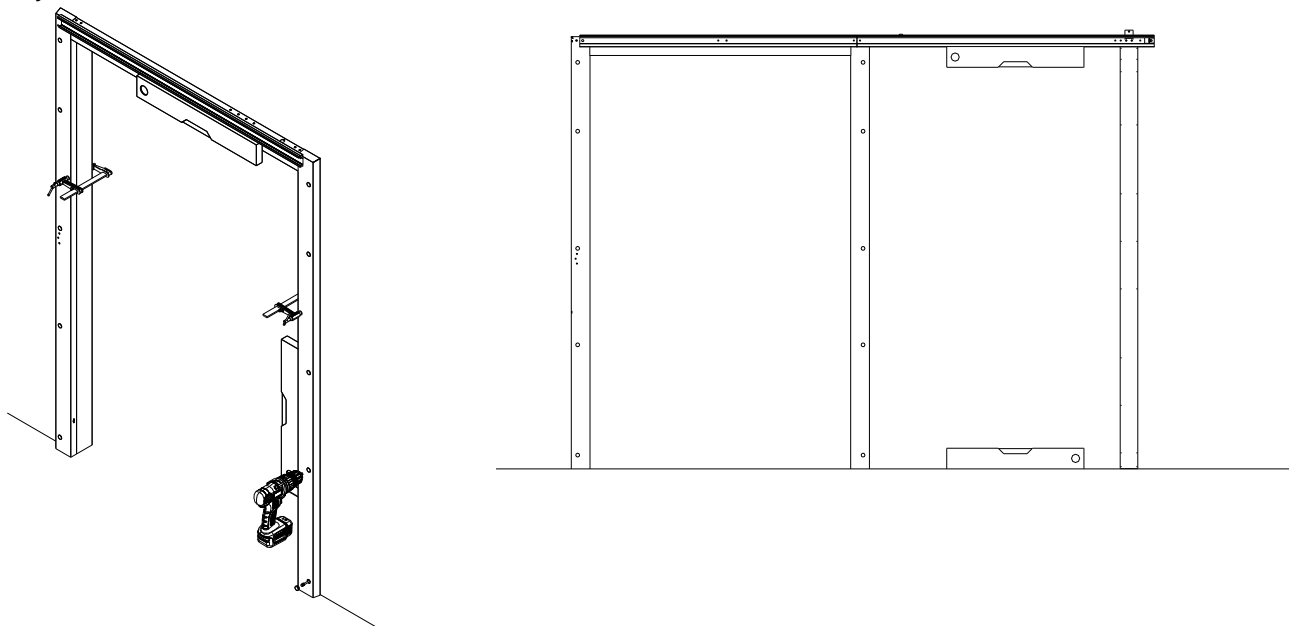
The counter frame is held against the wall with clamps (opposite the side of the wall where the sliding door is to be fitted). Before the final fastening of the counter frame, it has to be checked that the counter frame is in level both horizontal and vertical.



The corners of the counter frame are fastened with pop rivets. The counter frame is prepared with mounting holes and underlying mounting connectors where the counter frame has to be fastened. Drill holes through the mounting holes and fasten the counter frame with the supplied fasteners.

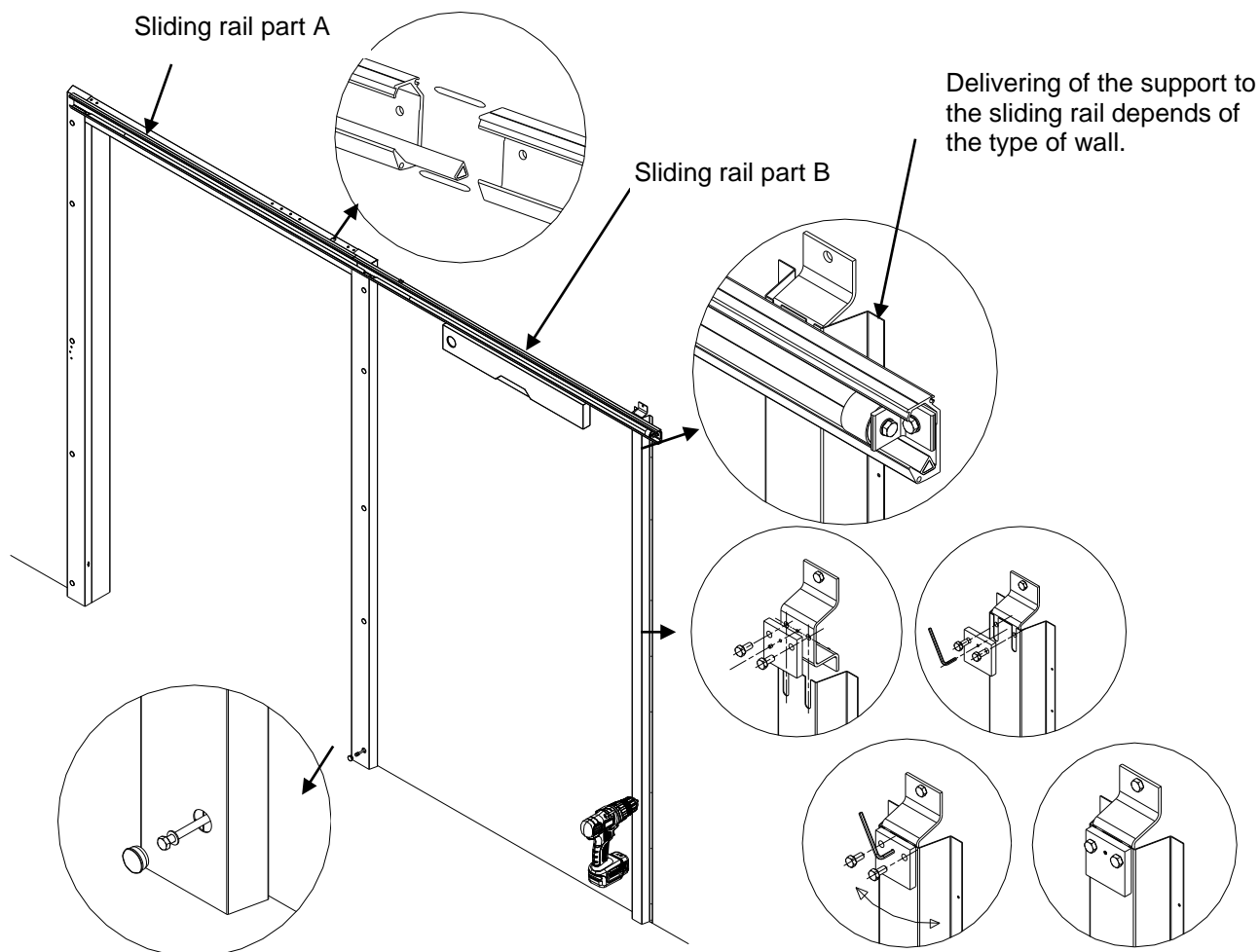
## Mounting of frame and sliding rail

Optionally counter frame has to be installed before the frame.



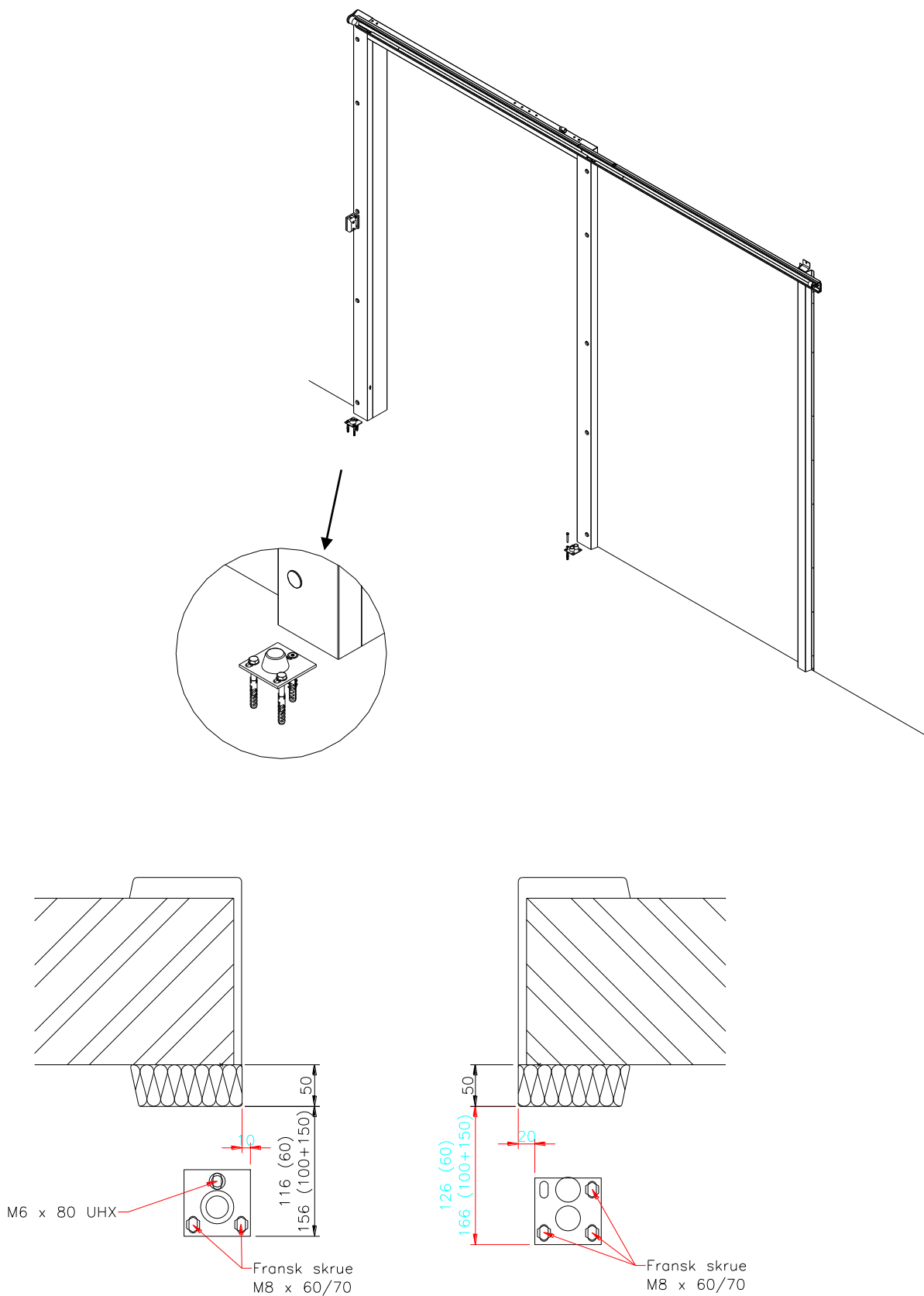
The frame is prepared with mounting holes and underlying mounting connectors where the counter frame has to be fastened. Drill holes through the mounting holes and fasten the frame with the supplied fasteners. Before the fastening it has to be checked if the frame is in level both horizontal and vertical.

Sliding rail part A is fastened to the frame at delivery. Sliding rail part B is pushed together with part A and fastened to the wall with the supplied connectors. If the wall is a light wall, supports for the sliding rail is delivered. The sliding rail is prepared for the support.



## Mounting of guiding rail

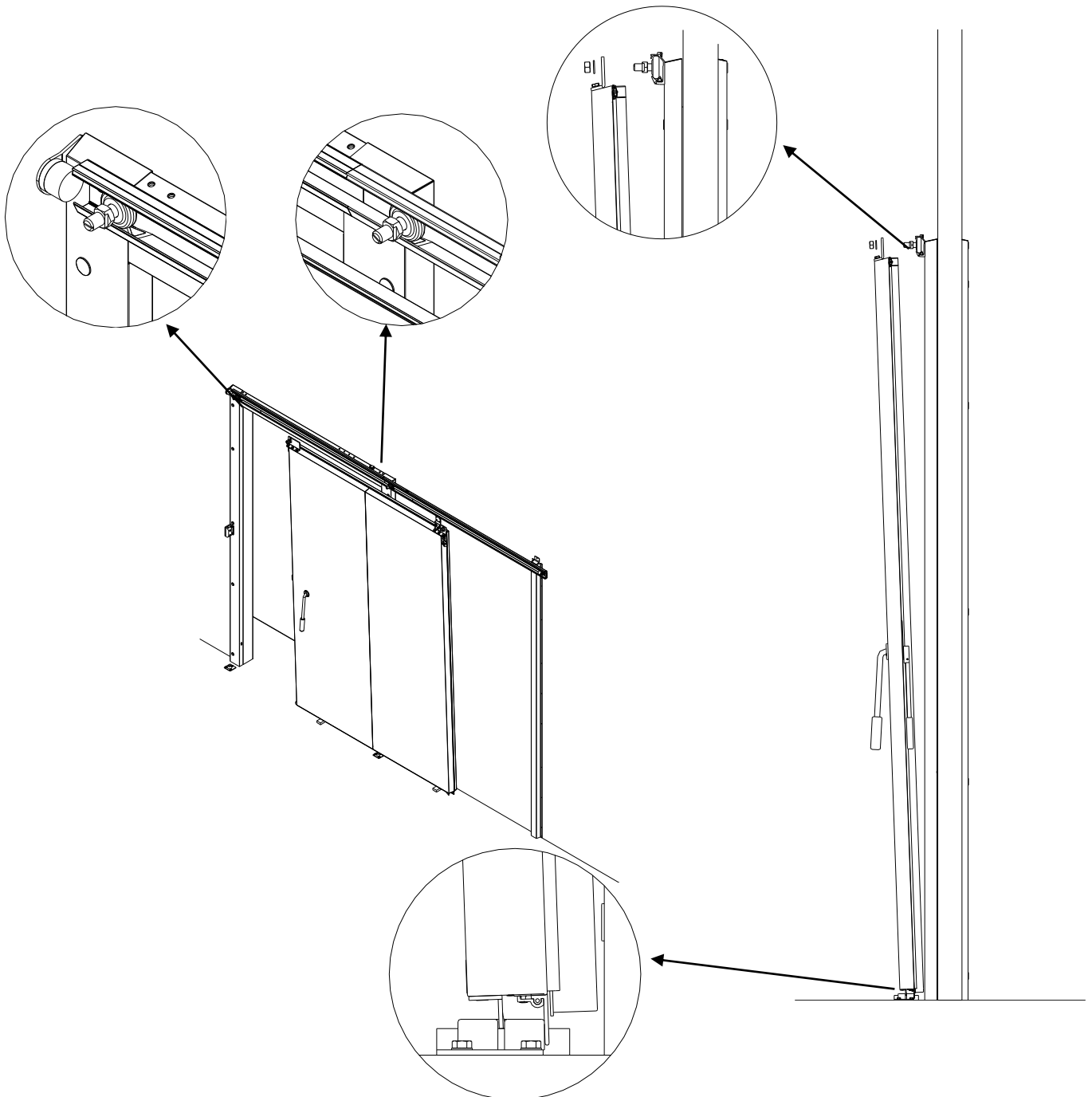
Guiding rail can be mounted before mounting of the door leaf according to the below measurements (or after mounting of the door leaf). The frame always has to be mounted before the bottom rail is mounted.





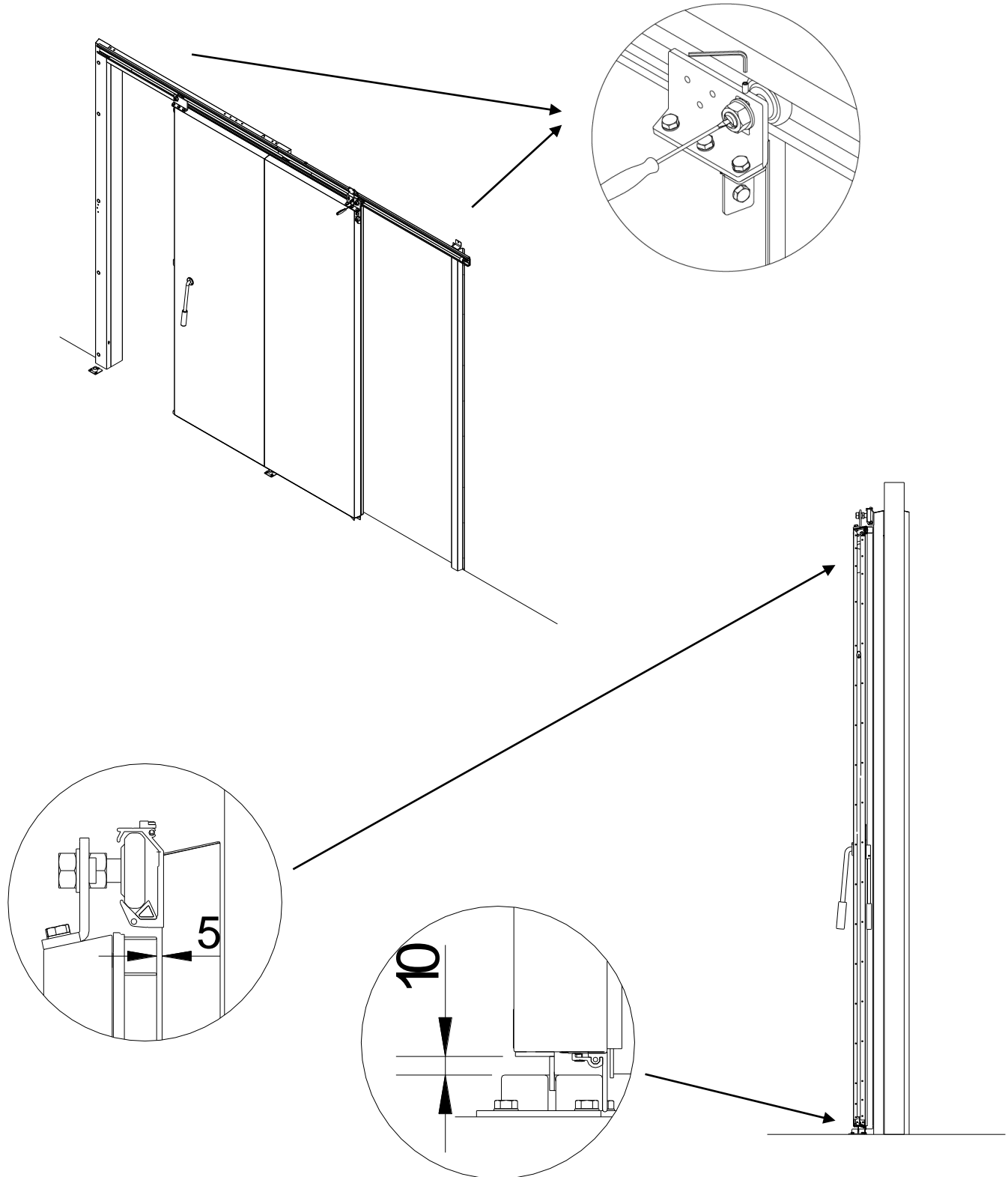
## Mounting of door leaf

If the guide rail is mounted, the bottom rail on the door leaf has to be placed in the guiding rail and the door leaf is tipped into place. The holes in the attached angle connectors at the top of the door leaf has to fit onto the pin bolts of the roller. The connectors and rollers are fastened with supplied washers and nuts. For large and/or heavy door leaves, the use of, for example, a suction cup machine is recommended during handling.



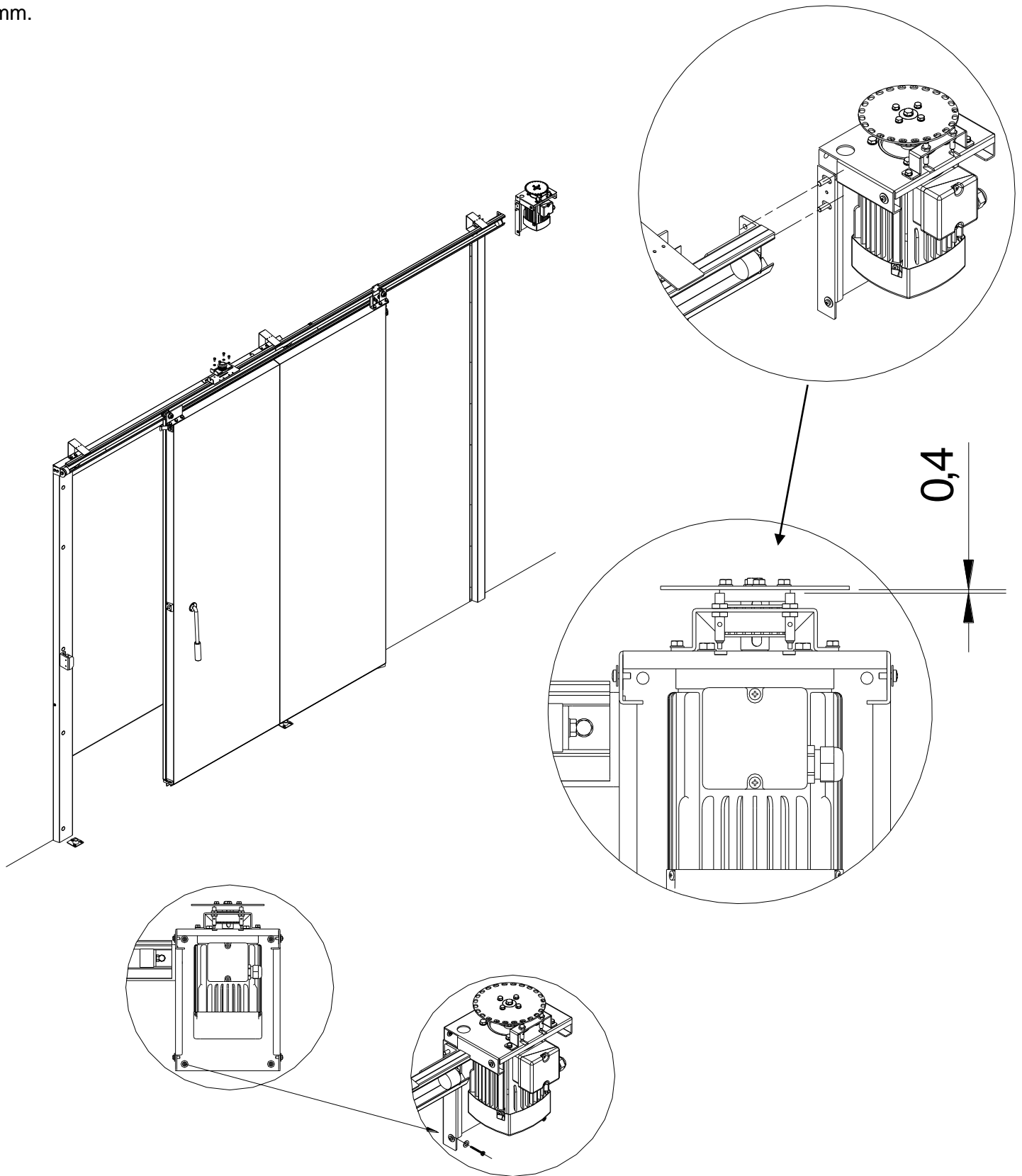
## Mounting of door leaf, continued

The door leaf is adjusted so the sealing is tight and the door leaf can easily open and close (be aware that the sealing may not be squeezed flat and sweep against the floor). The door leaf must be closed when it is adjusted. By turning the pin bolt on the roller with a screwdriver, the door leaf can be adjusted horizontally. By turning a 6 mm socket screw at the top of the angle connector, the height of the door leaf can be adjusted.



Mounting of motor

The motor is mounted at the end of the sliding rail and fastened with supplied bolts. The motor is also fastened to the wall. The encoder are adjusted using the supplied feeler gauge, the distance have to be 0,4 mm.

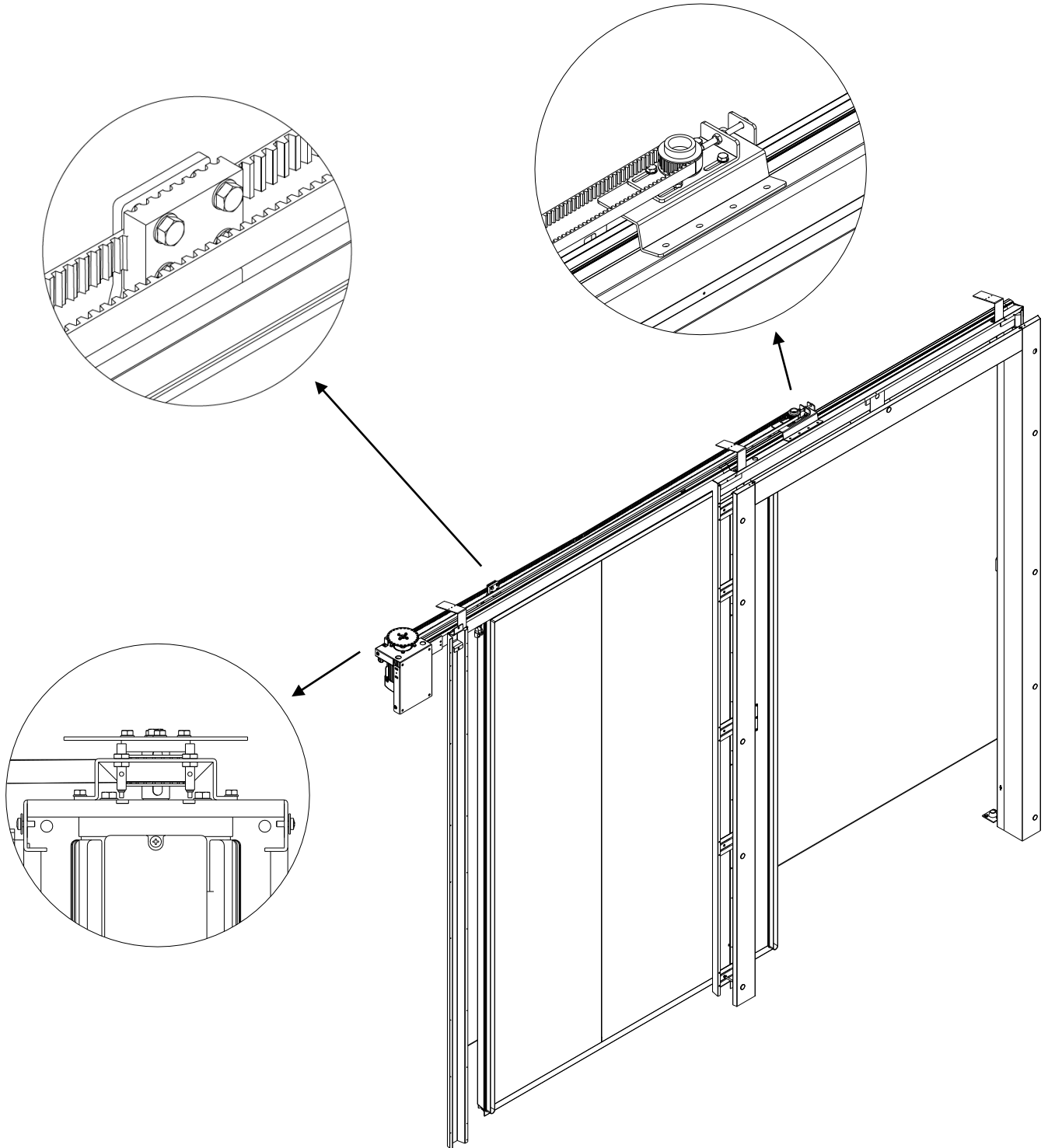


## Mounting of belt

The connector in which the belt is put together is mounted on the top of the door leaf.

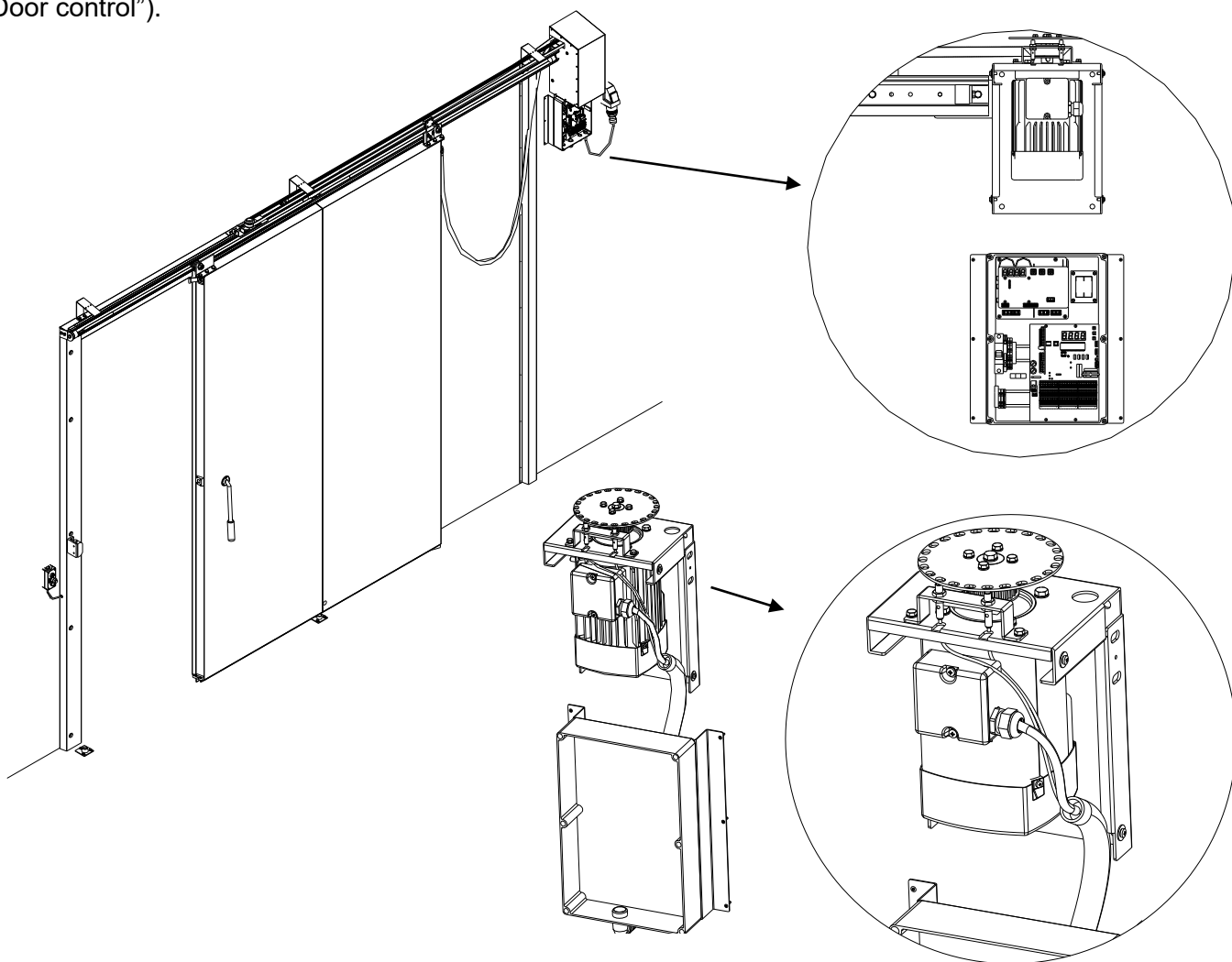
The belt is in one end pulled around the cogwheel at the top of the motor (beneath the perforated plate at the encoder). At the other end the belt is pulled around the cogwheel at the sliding rail.

The ends of the belt are put together in the connector and the 4 bolts is fastened.



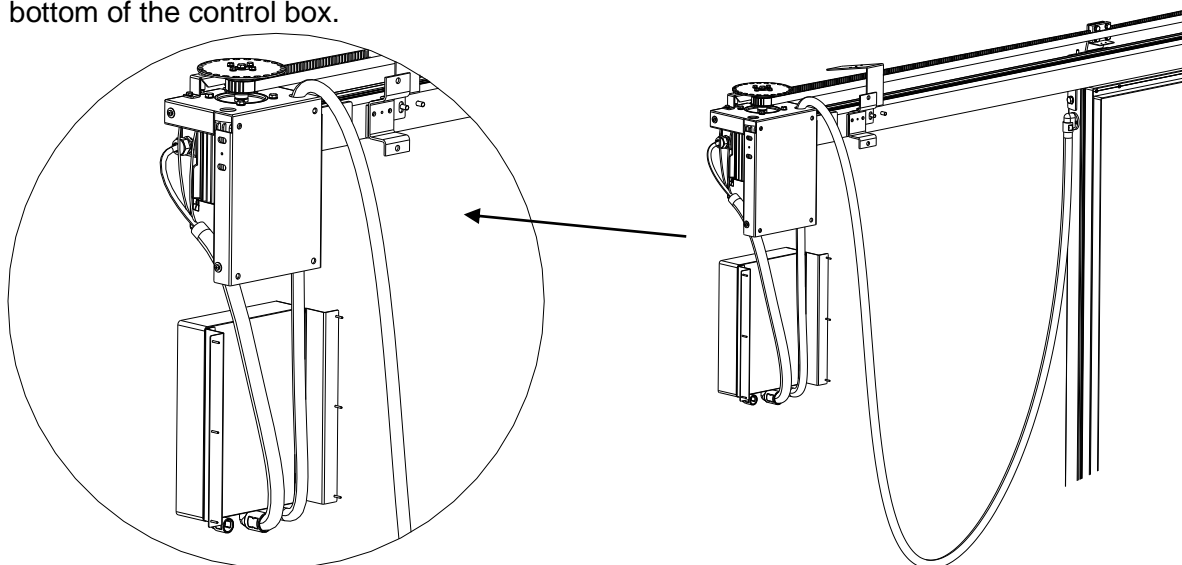
## Control and cables for the motor and encoder

As standard the control box is placed about 70 mm centered beneath the motor. The cable for the motor is led behind the control and into the bottom of the control box (for more info on the wiring see the document "Door control").



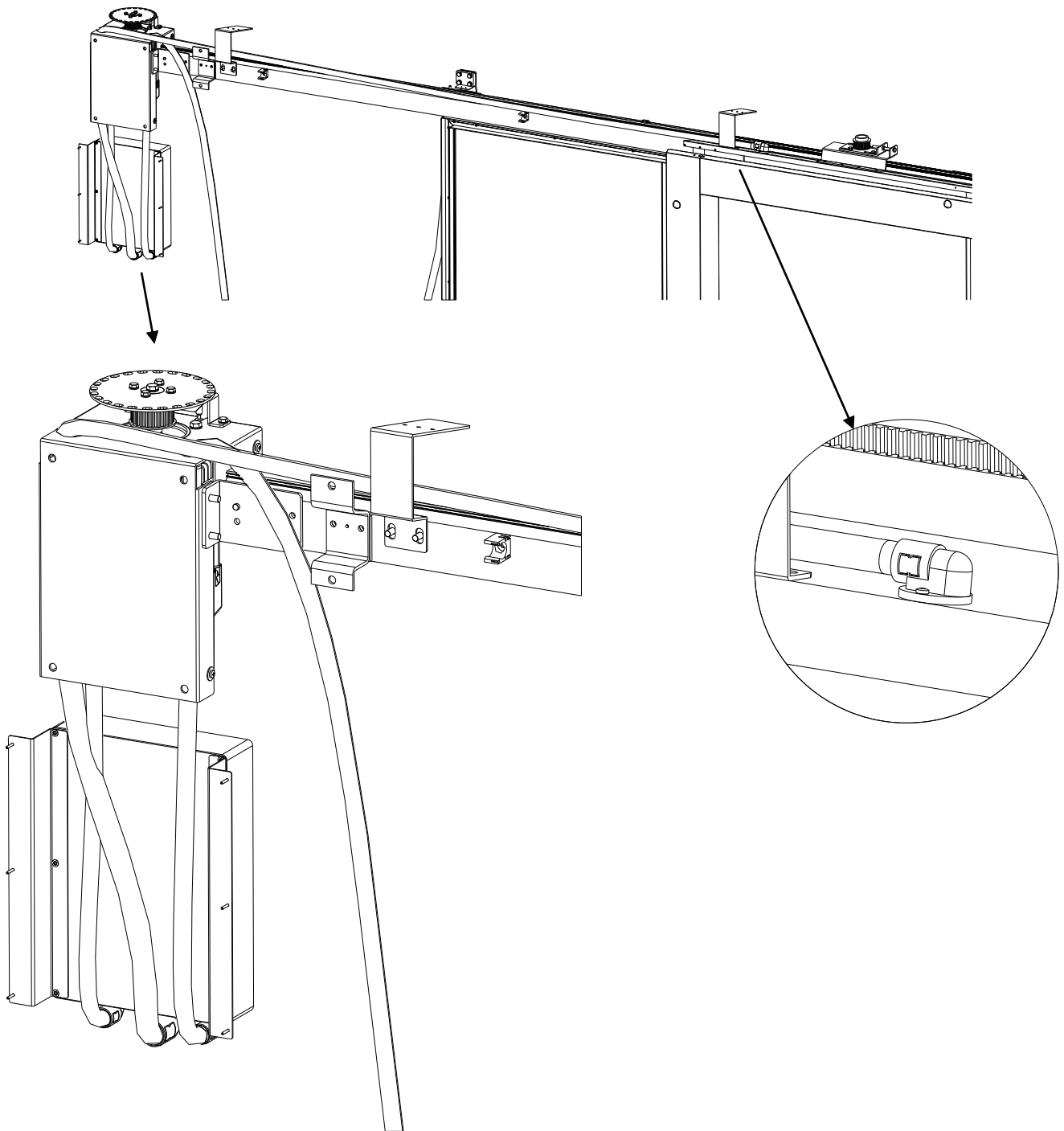
## Cables from the door leaf

A hose with cables from the photocells and possibly heating cables/cables for lock is mounted on the rear edge of the door leaf. The hose is led through the connector for the motor, behind the control box and into the bottom of the control box.



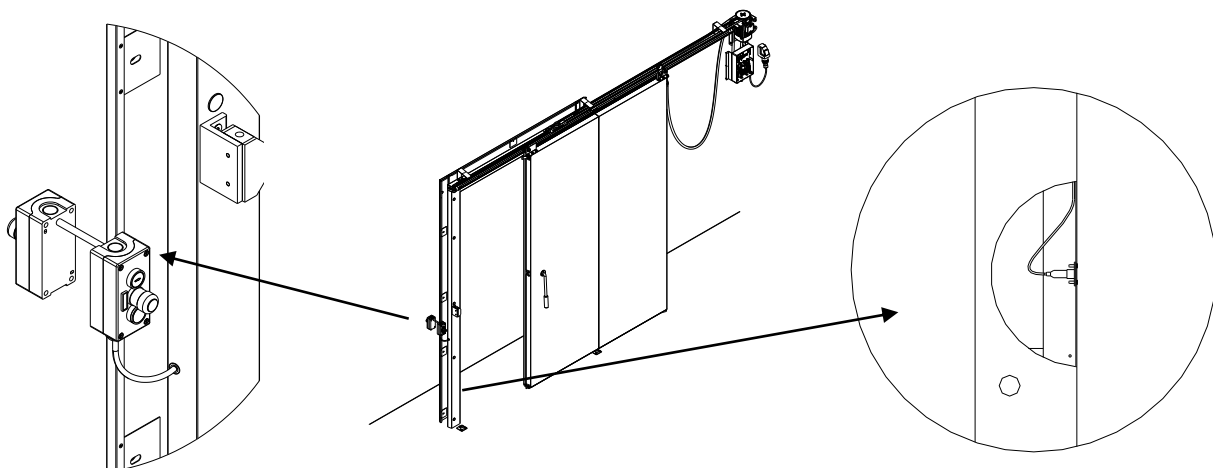
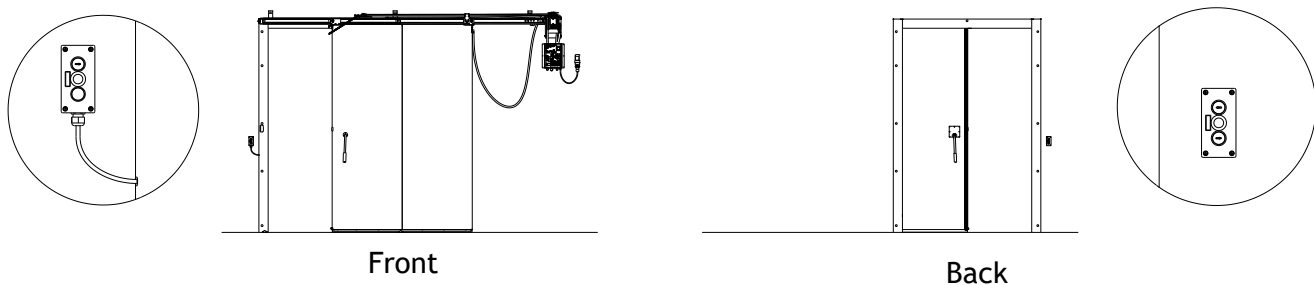
## Cables from the frame

The hose with cables from photocells from the frame and the push buttons is fastened in the connectors on the back of the sliding rail and pulled through the connector for the motor, behind the control box and into the bottom of the control box.



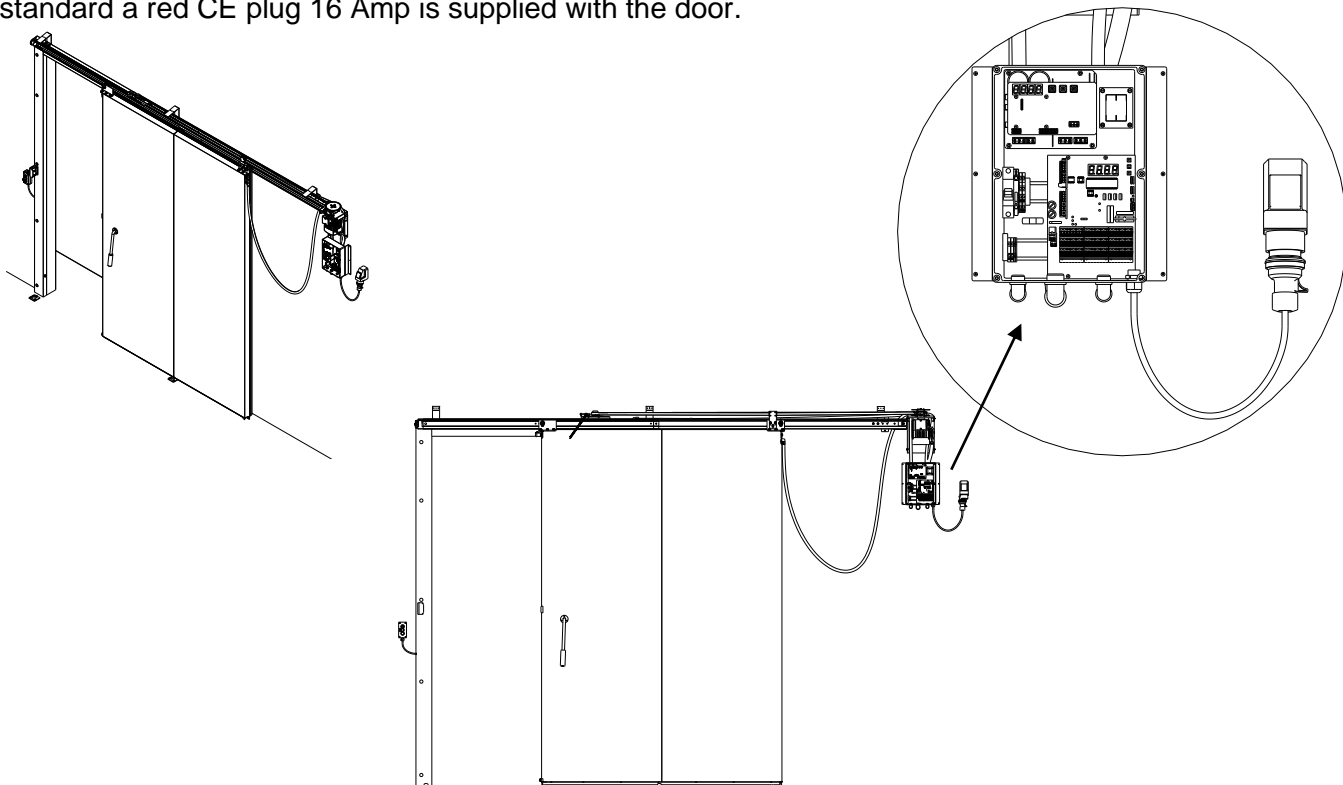
## Operating panel/emergency exit/photocells

Operating panel with light is mounted on the wall next to the door. As operating panels are mounted on both sides of the wall, a hole in the wall is made to connect the cables from the operating panels. Operating panels are normally placed about 1300 mm above the floor.



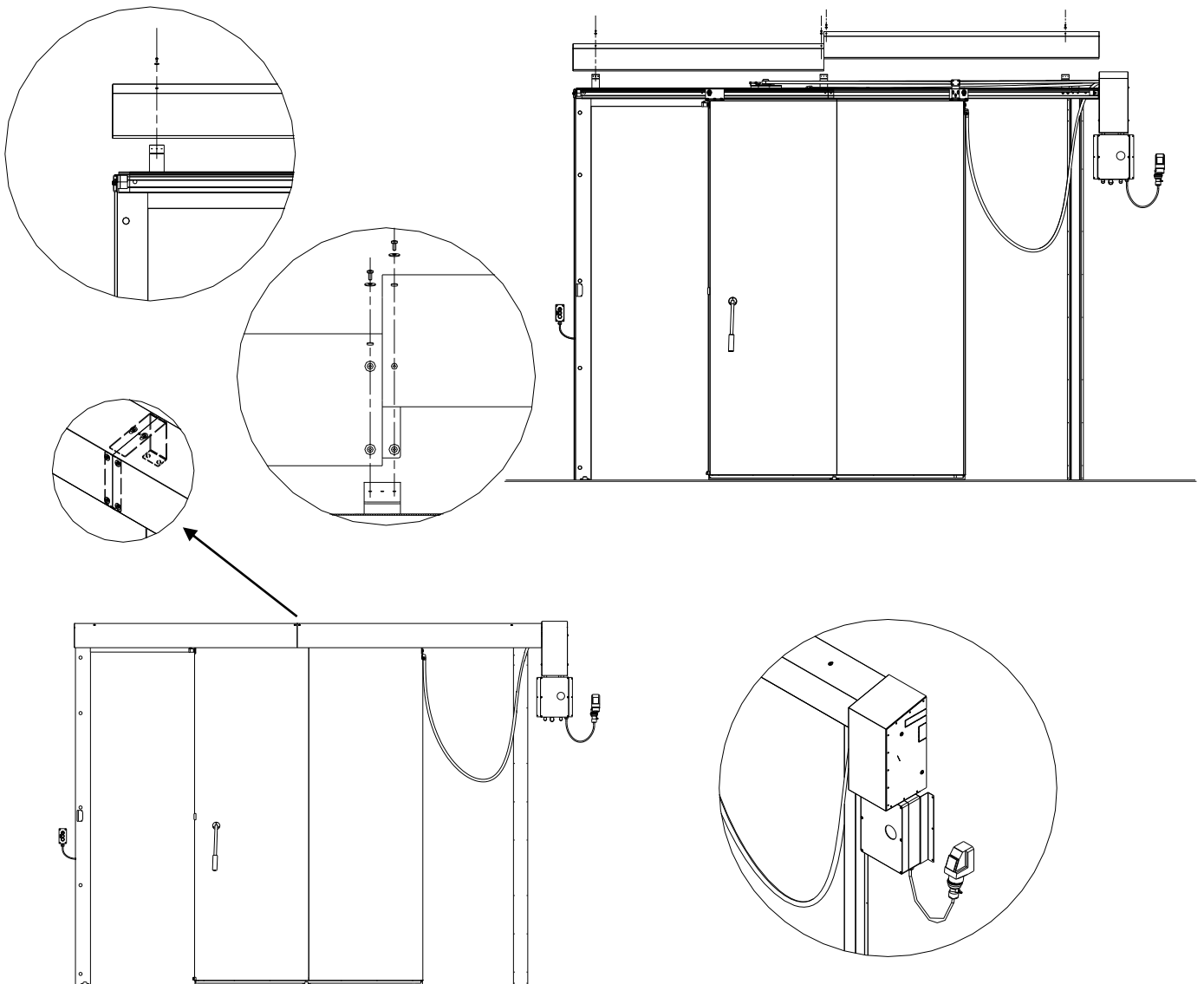
## Power supply

As standard a red CE plug 16 Amp is supplied with the door.



## Cover (option)

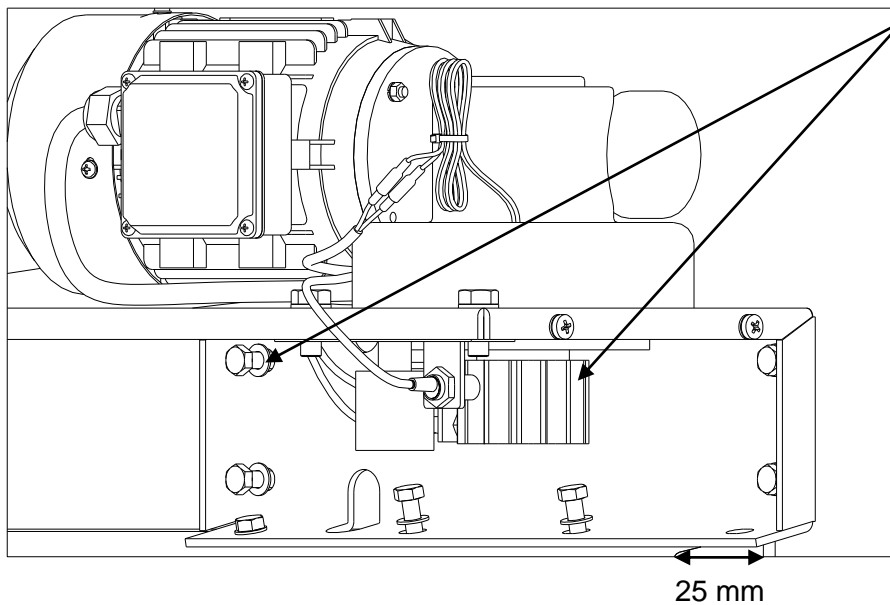
Covers are fastened to preinstalled connectors with the supplied fasteners.



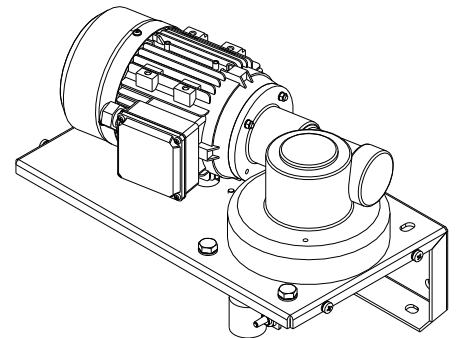


### Mounting of motor

The motor is fastened with the supplied fasteners on the rear edge of the top frame. The frame is prepared with holes for the fastening. The motors should also be fastened to the wall. The hose with cables from the photocells in the frame is pulled through the motor bracket behind the motor.



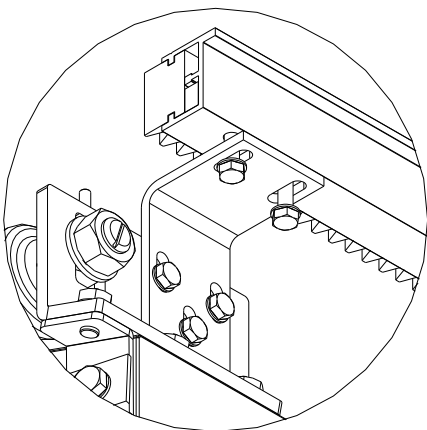
Motor bracket fastened on the frame and into the wall.



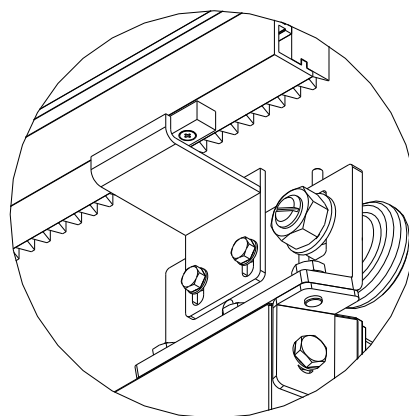
The motor console must be mounted on top of the frame, ensuring a distance of 25 mm from the rear edge of the motor console to the rear edge of the frame.

### Mounting of Rack on door leaf

Connectors for mounting of rack is fastened on the rack from delivery. The rack connector is fastened on the front side of the connectors for the rollers, which is placed on the front edge of the door leaf. On the rear edge of the door leaf there is a connector, where the rack has to rest on.



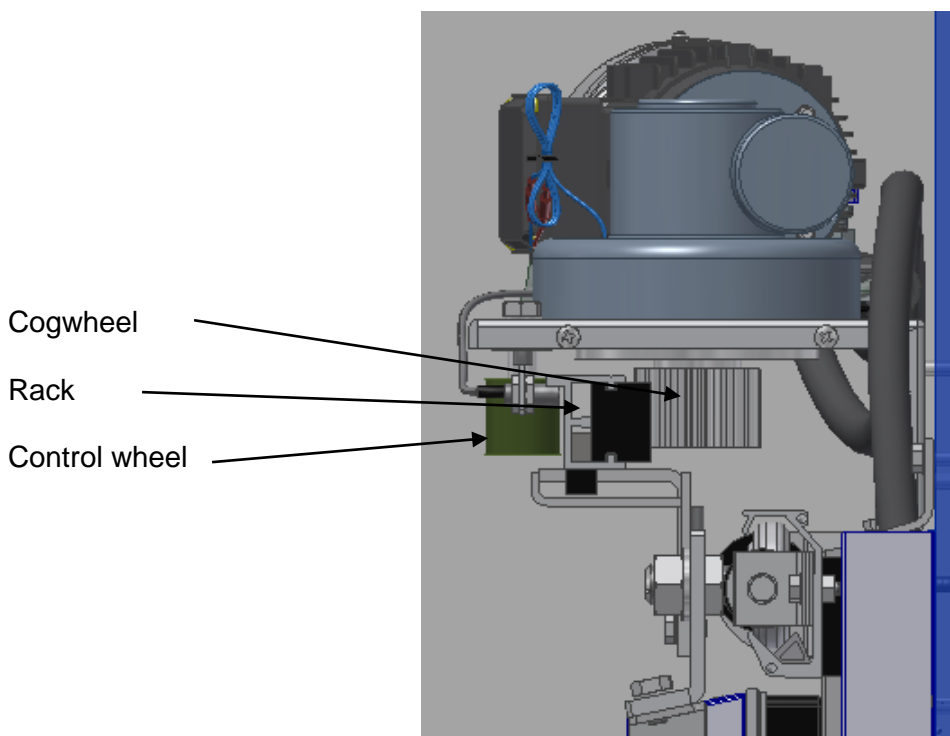
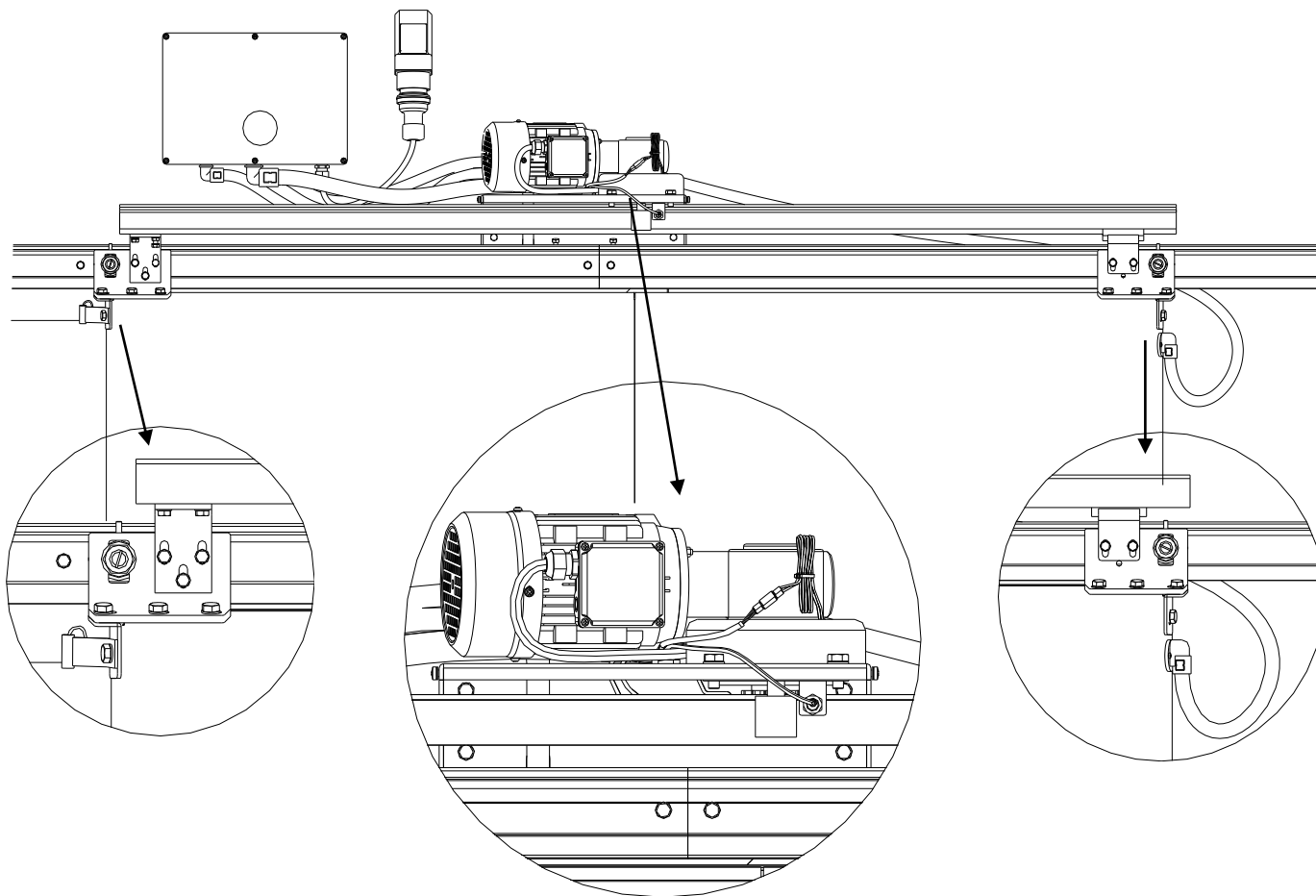
Fastened with 3 bolts in front.



Rest on connector in back.

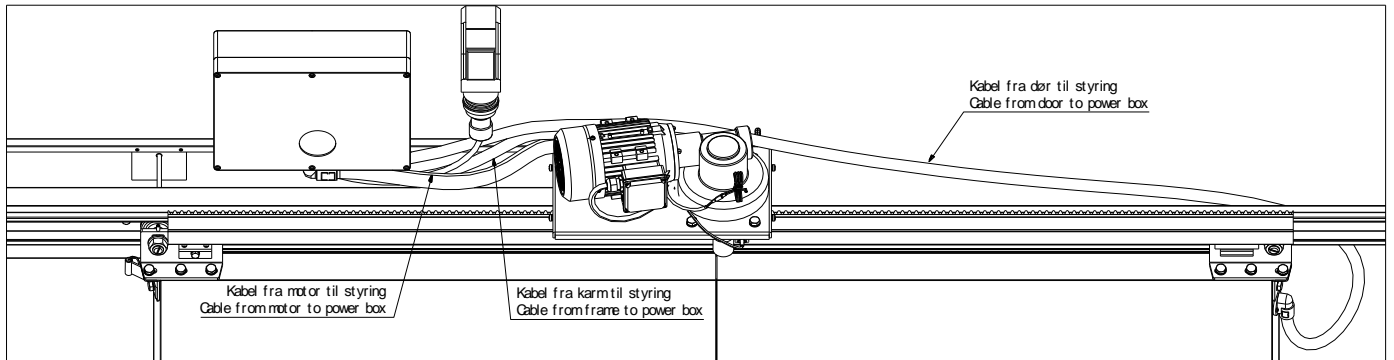
## Details, rack

The height of the rack is adjusted using the connectors on the front and rear edge of the door leaf. The door has to be partially open when it is adjusted. The rack can be adjusted horizontal by adjusting the bolts in the front edge of the door leaf. The rack has to be adjusted according to the cogwheel beneath the motor.



## Cables

The hose from the rear edge of the door leaf to the control box has to be fastened to connectors on the back of the sliding rail.



## Sealing of doors

The gab between frame and wall is sealed with adhesive.

## Heating cables

Heating cables in frames for freezers is connected to 230V/50Hz.

Heating cables in the door leaf is placed in the supplied tubes to the end of the guiding rail, where they are connected to power supply 230V/50Hz.

The heating wire must not be connected at the door to the cold storage room if the freezer is turned off, as overheating may occur and the heating wire could be damaged.

## Cover to guide rail (option)

The supplied stainless connectors are slid into slots on top of the guide rail. The cover for the guide rail is placed on top of the connectors and pushed towards the frame. The cover is fastened to the connectors with screws and the gab between the cover and frame is sealed with adhesive.

## Cleaning after mounting

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- Make sure the frame and the bottom rail are clean and all concrete, adhesive or other materials are removed (acid may not be used on the steel surface).
- Make sure the door easily can open and close and there is no obstacles for the use of the door.
- Make sure the door can open without the sealing sweeps against the floor.
- When the door is closed, the sweeper gasket shall touch the floor and the gaskets in the sides and on the top of the door shall touch the frame.  
(The gaskets may not be squeezed flat as that will reduce their lifetime).
- Remove the foil from frame and door.
- Rollers have to be retighten
- The guide rail should be greased with grease where the rollers are placed in closed position.
- Oil all stainless surfaces with oil for stainless steel and intended for use in the environment where the door is mounted.
- Make sure that e.g. hinges, handles and locks are all greased with grease.
- For automatic doors, the open/close function and safety features (e.g., emergency stop, photocells, radar) must be checked before the door is put into operation.

## Documentation

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Make sure the label is attached to the door.

Make sure the following documentation is supplied with the door:

- EF declaration of performance (if the door is CE-marked)
- Operation – and maintenance manual