

























## 6. Installation

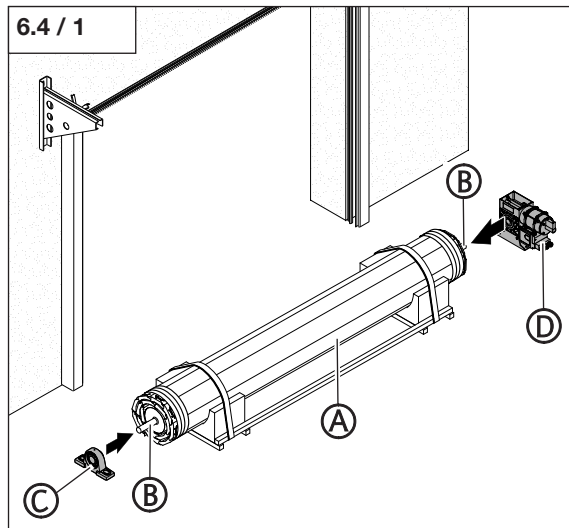
### 6.4 Installing the door curtain



#### Note:

The door curtain (A) must be placed to the door opening in the direction of operation.  
The end of the winding shaft (B) must be greased before the bearing (C) and drive (D) are attached.

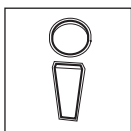
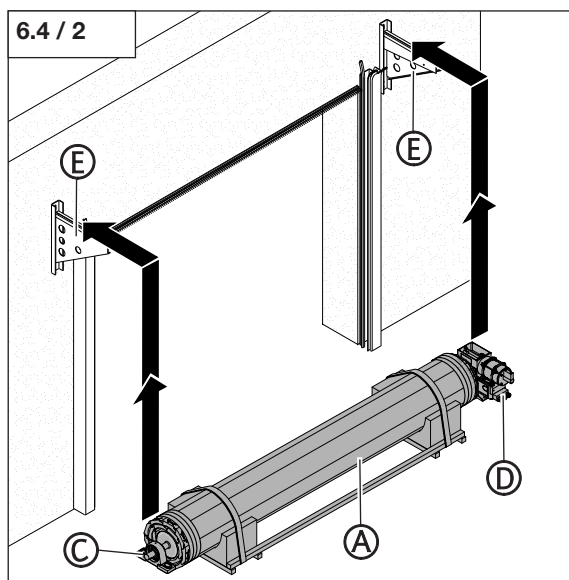
- Place the door curtain (A) in front of the opening.
- Grease the ends of the winding shaft (B).
- Place the bearing (C) and the drive (D) onto the winding shaft (B).



#### Caution!

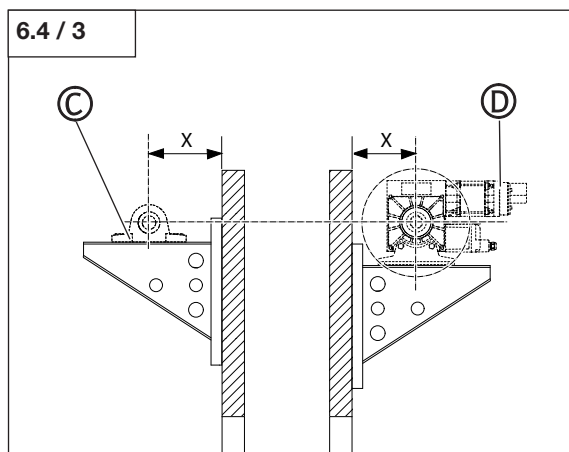
To prevent personal injuries occurring, nobody may stand under the door curtain (A) until the bearing (C) and drive (D) have been screwed on. The door curtain (A), the bearing (C) and the drive (D) must be effectively prevented from falling down.

- Place the door curtain (A) with the bearing (C) and the drive (D) onto the consoles (E).



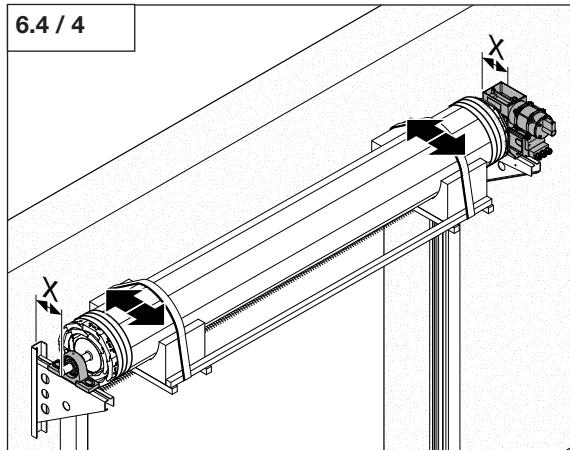
#### Reference:

See the door specific diagram for more information on the wall distance X to pre-set the bearing (C) and drive (D).



## 6. Installation

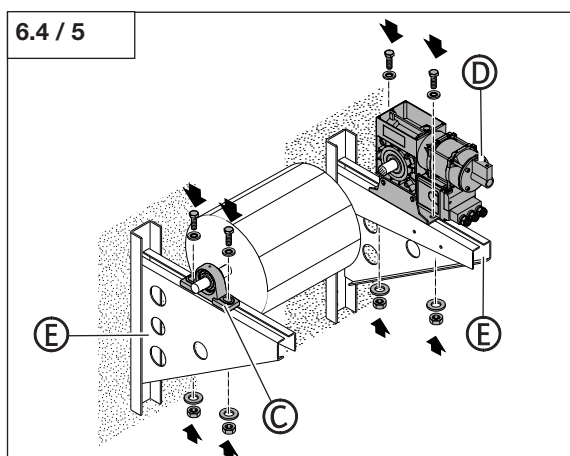
- Set up the distance to the wall (X) on both sides.



### Reference:

See the door-specific diagram for further information on the fastening materials and the starting torque.

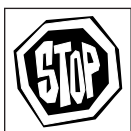
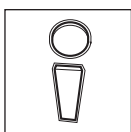
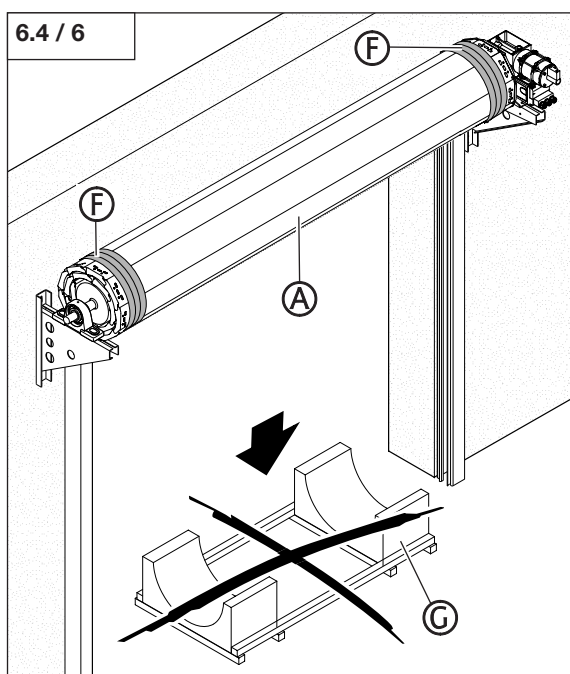
- Screw the bearing (C) and the drive (D) firmly to the consoles (E).



### Caution!

To prevent personal injuries, the stopper (F) must remain on the door curtain; this prevents the door curtain (A) from falling down inadvertently.

- Remove the transport material (G).



## 6. Installation

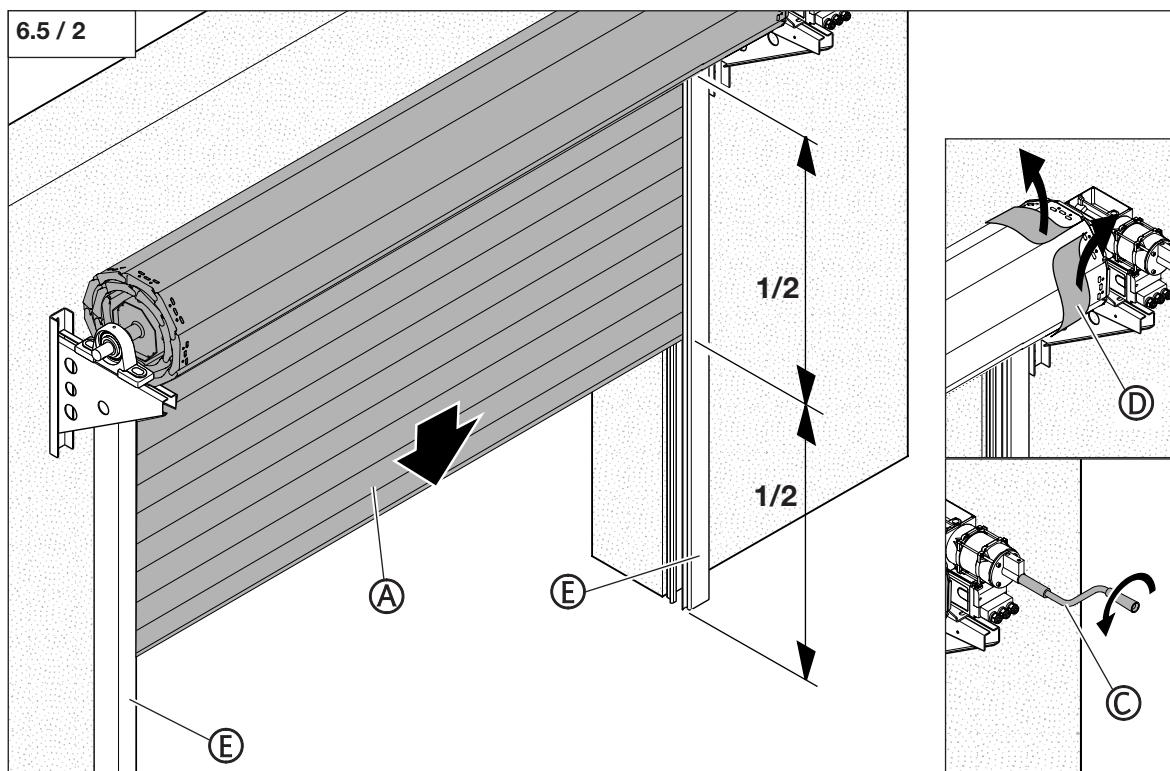
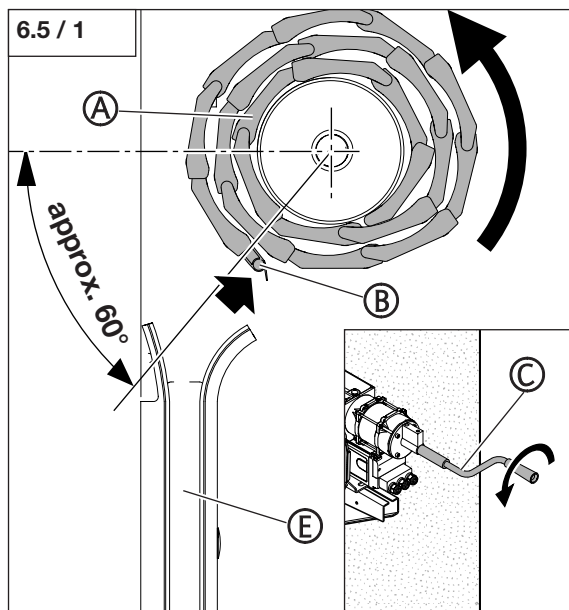
### 6.5 Inserting the door curtain



#### Caution!

To prevent the door curtain (A) from becoming difficult to handle, the door end profile (B) must be moved into the position shown before the stopper is opened.

- Bring the door curtain (A) with the emergency control (C) into the position shown.



- Remove the stopper from the door curtain (A).
- Insert the door curtain (A) with the emergency operation (C) into the guide rails (E).
- Move the door curtain (A) into the interim position (halfway up the guide rail height).

## 6. Installation



### Function check:

The door curtain (A) must slot into both guide rails (E) vertically when the door is halfway open. Shift the bearing (G) and the drive (H) onto the console (I); this will allow you to set up the inlet.

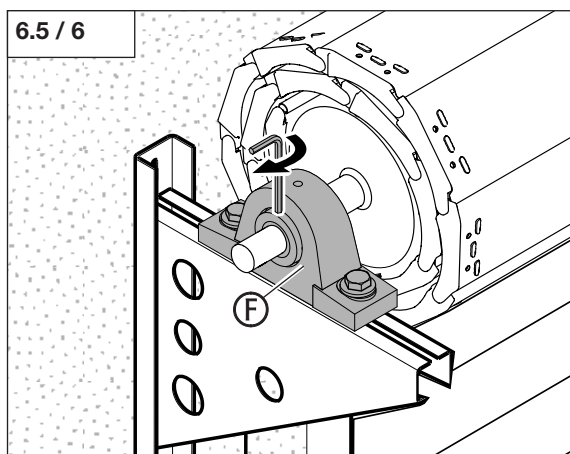
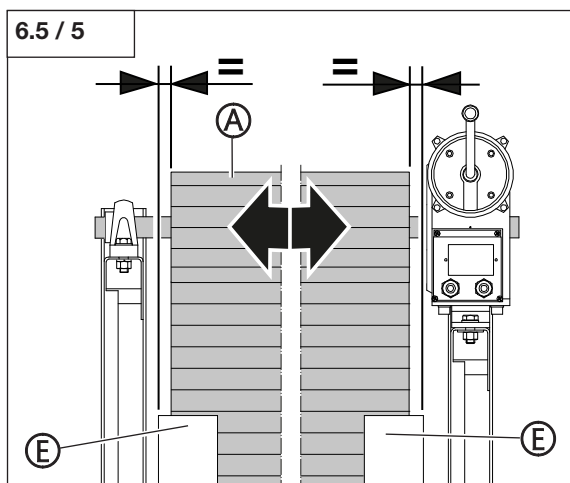
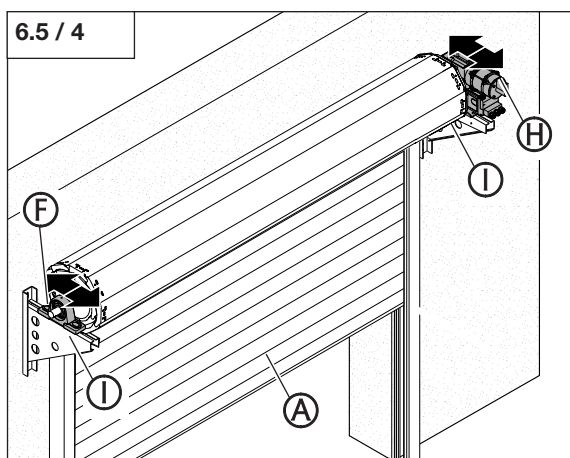
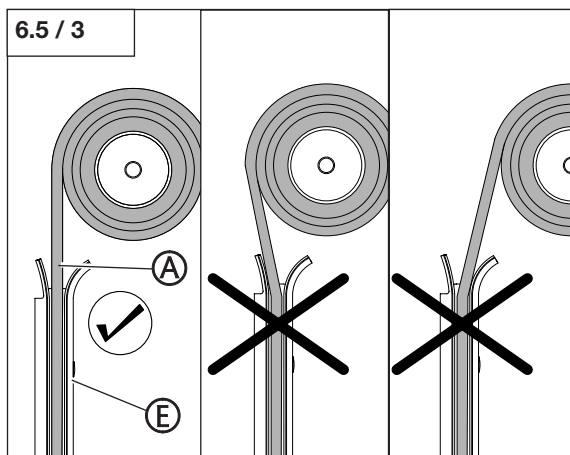
### Note:

The door curtain (A) must not grind against the intake guide of the guide rails (E). You can bend the intake guides to prevent them from grinding against the door curtain.

- Check the inlet and set up (if necessary) the bearing (F) and the drive (H) on the consoles (I) in the correct manner.

- Position the door curtain (A) between the guide rails (E).

- Tighten the screws on the bearing (F).



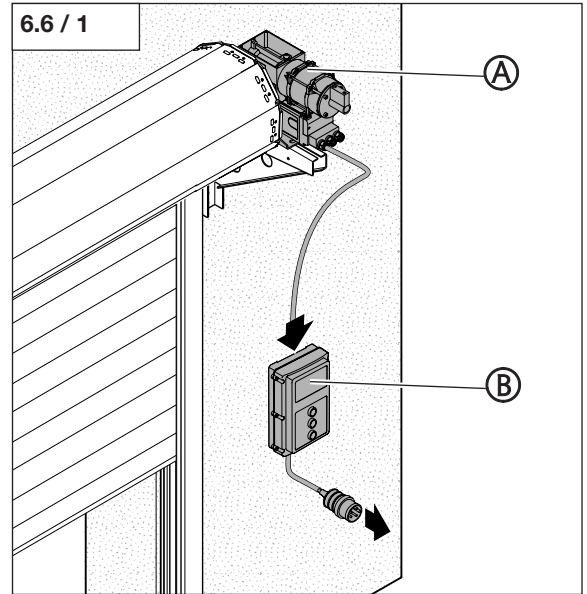
## 6. Installation

### 6.6 Connecting the drive

**Reference:**

See the drive and control unit instructions for information on how to connect the drive (A) and the control unit (B).

- Connect the drive (A) to the command device/control unit (B).
- Connect all the necessary safety devices.
- Connect the control unit (B) to the mains.



### 6.7 Setting up the end switch

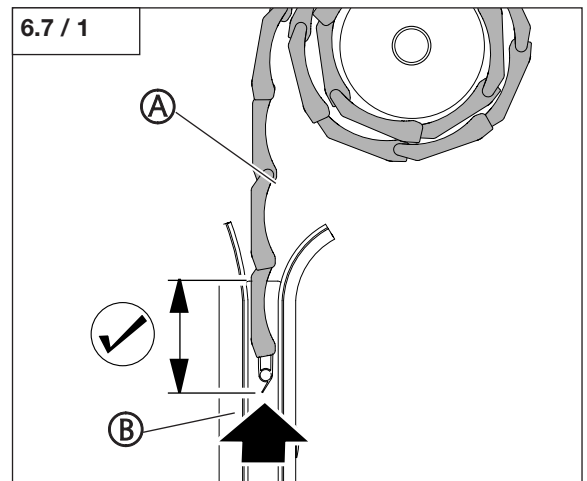
**Reference:**

See the drive and control unit instructions for information on how to set up the end switch.

**Note:**

The end position OPEN must be set up in such a manner that the door fins (A) do not move out of the guide rails (B). The maximum possible position of the end position OPEN is the ordering dimension for height.

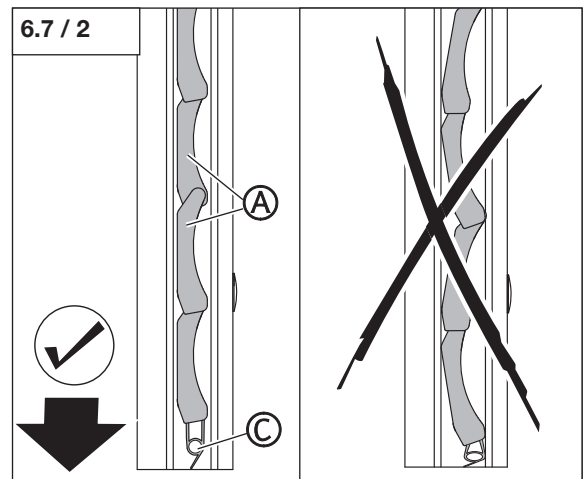
- Set up the OPEN end position.

**Note:**

The end position CLOSED must be set up in such a manner that

- the door fins (A) do not slide together and
- the door end profile (C) is not compressed.

- Adjust the retractable bottom seal.





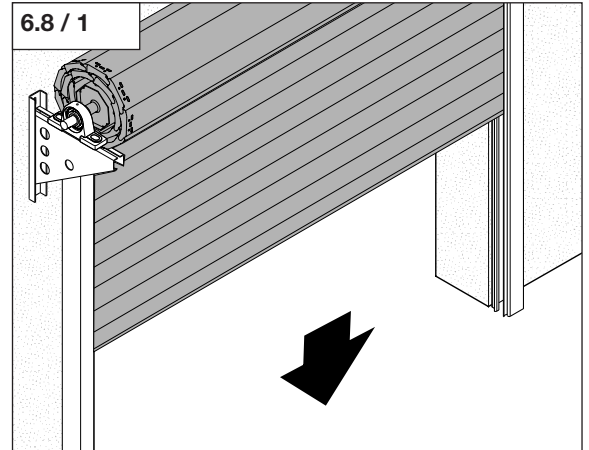
## 6. Installation

### 6.8 Installing the brush strip (only for roller shutters)

**Reference:**

See the door-specific diagram for information on how to install the brush strip (A).

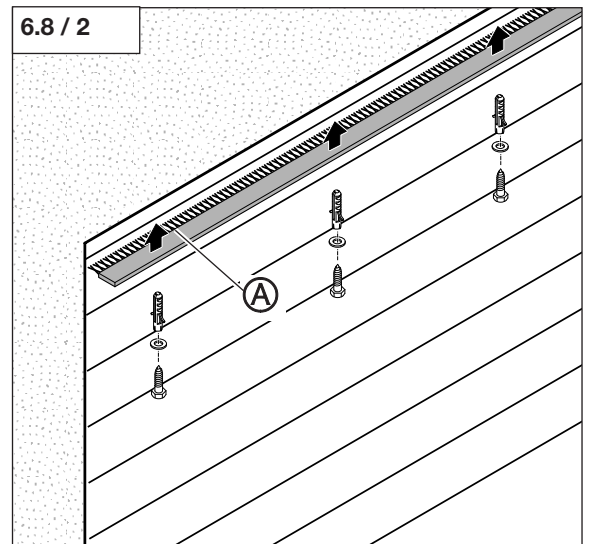
- Close the door.

**Note:**

The brush strip (A) must be screwed in in such a manner that its entire width is contact with the door curtain.

Depending on the model, the brush strip needs to be screwed on either under the reveal or onto the carrier profile.

- Install the brush strip (A).



## 6. Installation



### 6.9 Checking the door system

**Note:**

The following points must be checked before the door is handed over to the operator.

- End position OPEN.
- End position CLOSED.
- The door curtain slides cleanly into the guide rails.
- All the safety devices connected to the door.

After successful testing, the operator must be trained to operate the door system safely.

## 7. Operation



### Caution!

In order to avoid personal injury due to uncontrolled door movements:

- Only open or close the door when the door opening is clear of obstruction.
- Do not operate the door under heavy winds in order to ensure that control over the door is maintained.

### 7.1 Manually operated doors

#### Note:

- Only operate the door with the controls provided for this purpose.
- Move the door at a constant speed until the limit positions are reached.
- When closing the door, ensure that the latch bolt engages.  
The door is automatically locked in the CLOSED limit position.

#### Operation from outside - opening the door

- Unlock the door with the key.
- Turn the handle clockwise, then lift the door a few centimetres.  
The door is unlocked.
- Slide the door to the OPEN limit position. The handle does not have to be turned in the process.

#### Operation from outside - closing the door

- Move the door to the CLOSED limit position.  
The lock engages automatically when the door is closed.

#### Operation from inside - opening the door

- Unlock the handle with the securing lever on the lock.
- Turn the handle clockwise, then lift the door a few centimetres.  
The door is unlocked.
- Slide the door to the OPEN limit position. The handle does not have to be turned in the process.

#### Operation from inside - closing the door

- Move the door to the CLOSED limit position.  
The lock engages automatically when the door is closed.

### 7.2 Power-operated doors



### Caution!

In order to avoid personal injury due to uncontrolled door movements:

- Ensure that the control unit and handheld transmitter are not used by children or unauthorised persons.
- Ensure that the handheld transmitter is not inadvertently actuated (e.g. in the pocket of your trousers).

### Reference:

Refer to the documentation for the drive system for information about the operation of the door drive.

## 8. Maintenance



### **Caution!**

The following points must be adhered to to prevent personal injuries or damage to the door from occurring.

- Maintenance must be performed on the door and drive system at least once every 12 months. Maintenance will need to be performed more frequently if the door is subjected to a high level of use.
- All faulty components must be replaced by original components.
- Maintenance must be performed by trained personnel.
- These instructions must be observed when carrying out maintenance work.
- It is critical that the warning and safety instructions be observed.
- The door maintenance is to be documented.
- See the testing book for information on the maintenance work that is to be carried out.







