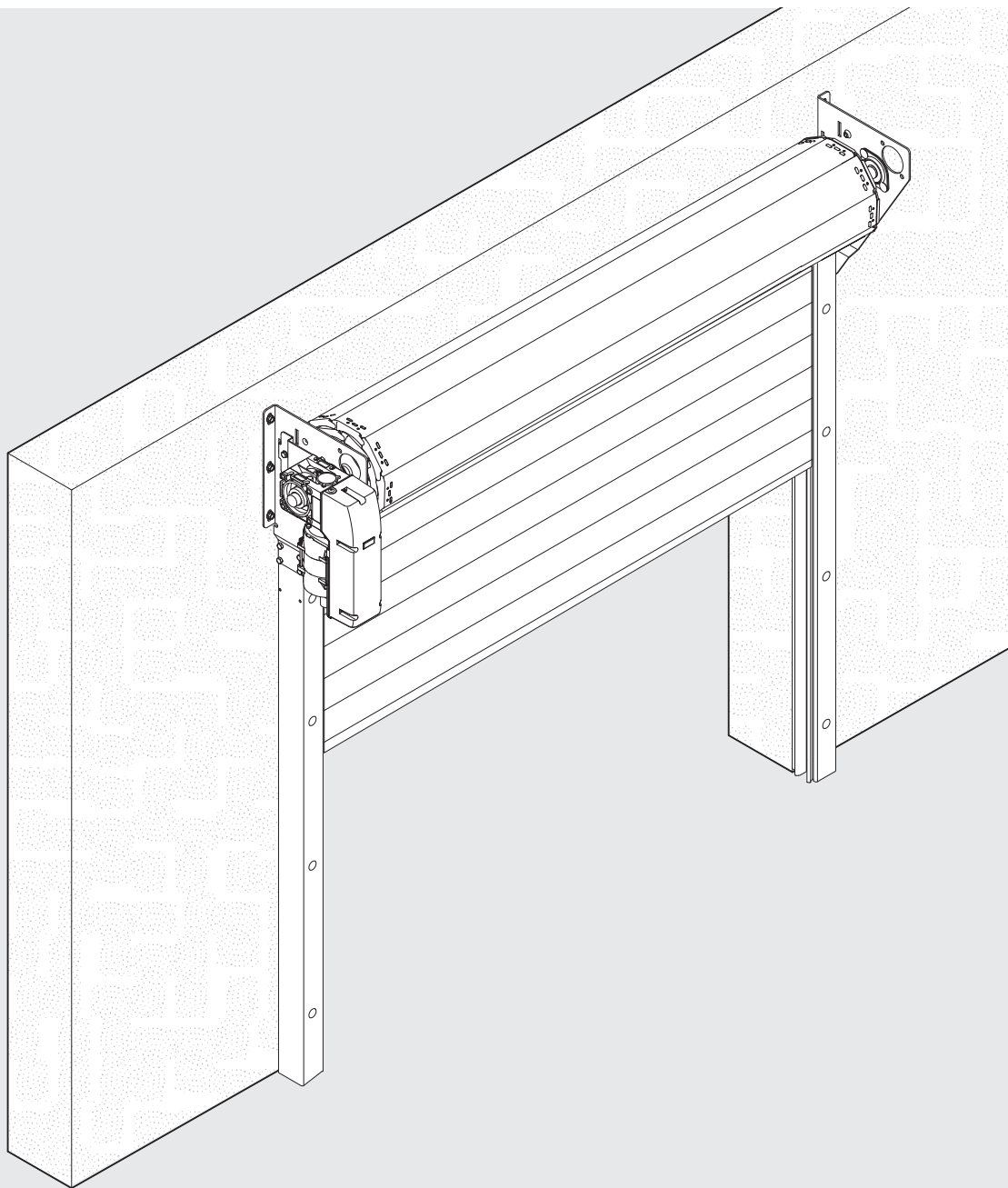




# Assembly Instructions

for Roller Shutter Easy

Updated: 04.2010



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## 2. Symbol Explanation



**Caution! Risk of personal injuries!**

**Attention! Risk of material damages!**

**Note**

**Function check**

**Reference**

## 3. General safety instructions

### 3.1 Target group

**Installation should only be carried out by fully qualified specialists.**

Qualified and trained door installation specialists have

- knowledge of general and special safety and accident prevention regulations,
- participated in training courses for the application of safety equipment,
- been trained in the safe use of hand and electric tools,
- regularly participated in courses provided by the manufacturer.

Qualified and trained personnel for wiring the direct mount drive, the control and the safety equipment have:

- knowledge of general and special safety and accident prevention regulations,
- participated in training courses for the application of safety equipment,
- the ability to recognize dangers caused by electricity,
- received sufficient training from fully qualified electricians,
- regularly participated in courses provided by the manufacturer.

### 3.2 Warranty

**A warranty as regards functioning and safety can only be provided if**

- the safety and warning notices have been adhered to,
- installation has been carried out correctly and in the order specified in the instructions,
- only original Teckentrup accessories have been used,
- no additional objects are attached to the door,
- the supplied parts have not been adjusted or adapted,
- regular door maintenance has been carried out,
- the operator has been provided with all the relevant operating instructions (door, drive system and safety equipment).

### 3.3 General safety instructions

#### **Caution!**

- Cordon off the danger zone prior to installation.
- Ensure that people who are not involved with door installation are kept away from the danger zone.
- Installation should only be carried out by fully qualified specialists.
- Installation has to be carried out from a secure position (e.g. scaffolding).
- Supplied drawings take precedence over any other drawings.

### 3.4 Installation site requirements

- The door should only be installed on floor constructions which are approved for the static loading.
- The door must be installed indoors.
- Measure the transferred height.
- The walls at the opening sides have to be aligned.



## 4. General

### 4.1 Scope of delivery

- Door pack
- Accessories pack
- Drive system (optional)
- Door specific drawing

Refer to the enclosed pack list for details.

### 4.2 Illustrations

The illustrations demonstrate interior assembly at the left-hand side.

Interior assembly tasks at the right-hand must be carried out mirror reversed.

Technical details are subject to change.

### 4.3 Dimensional checks

#### Reference:

Please refer to the order confirmation or the door-specific drawing for the order dimensions of the door.

- Compare the order dimensions of the door and the actual structural conditions.
- Check the production tolerances of all the components prior to assembly.

#### Note:

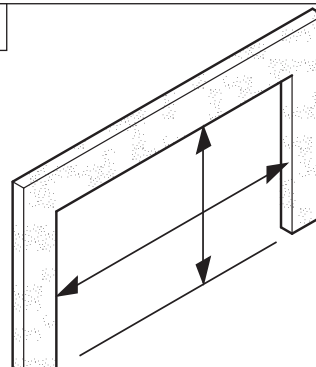
In order to install the door, the following conditions must be fulfilled:

- The finished floor should be level and horizontal.
- The walls at the opening side must be parallel to one another.

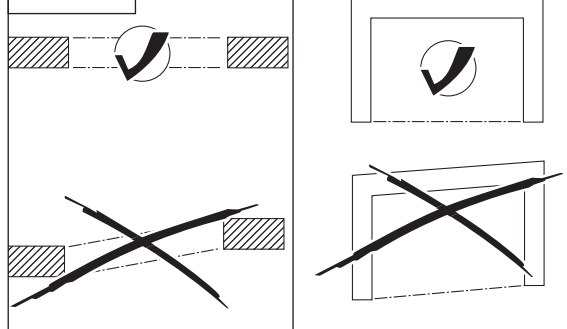
Please consult the manufacturer for permissible maximum deviations prior to assembly.

- Check the subsurface.

4.3 / 1



4.3 / 2



## 5. Installation

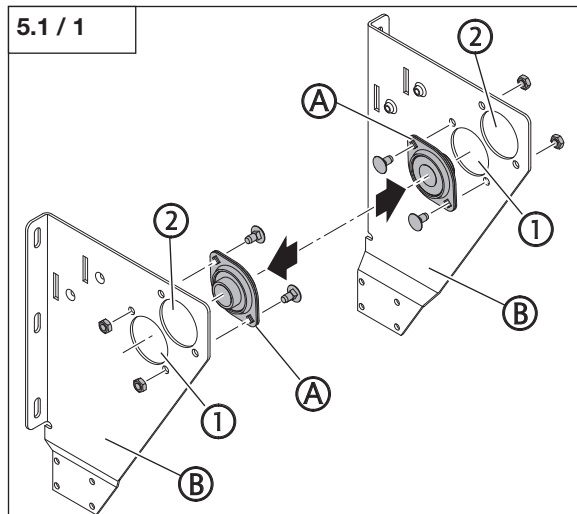
### 5.1 Preparing the runner rails and consoles

**Note:**

Please refer to the door-specific drawing for the position (1 / 2) of the bearings (A) on the consoles (B).

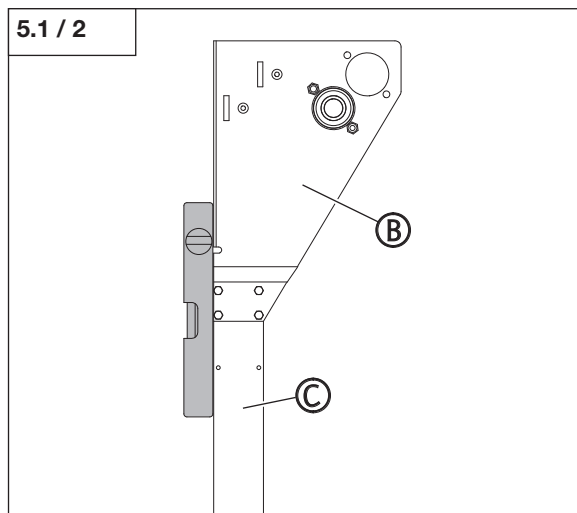
- Grease the bearings (A) between the bearing seats.
- Screw the bearings (A) to the consoles (B).

5.1 / 1

**Note:**

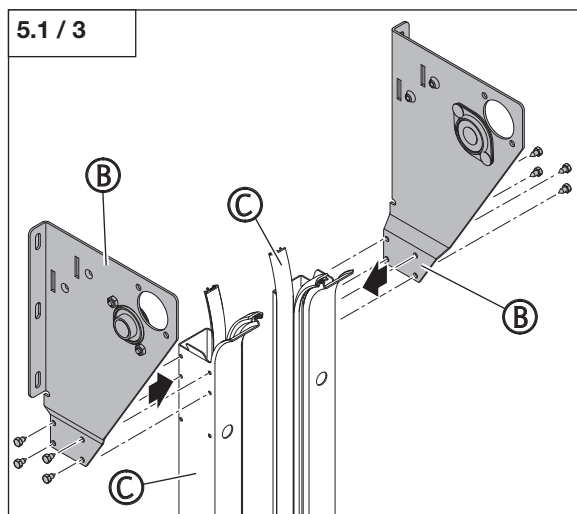
The consoles (B) and the runner rails (C) must be aligned to each other.

5.1 / 2



- Screw the consoles (B) to the runner rails (C).

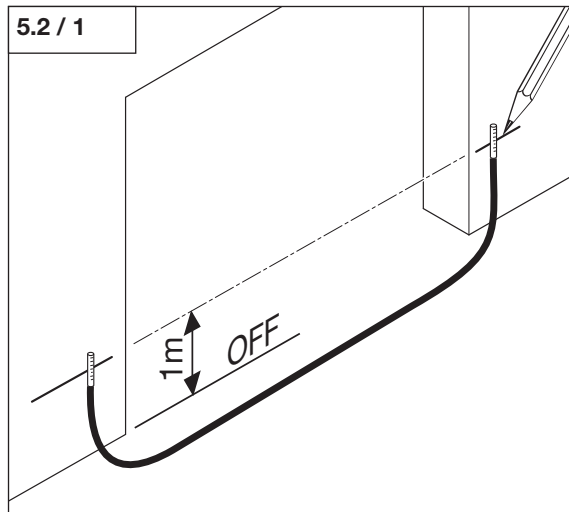
5.1 / 3



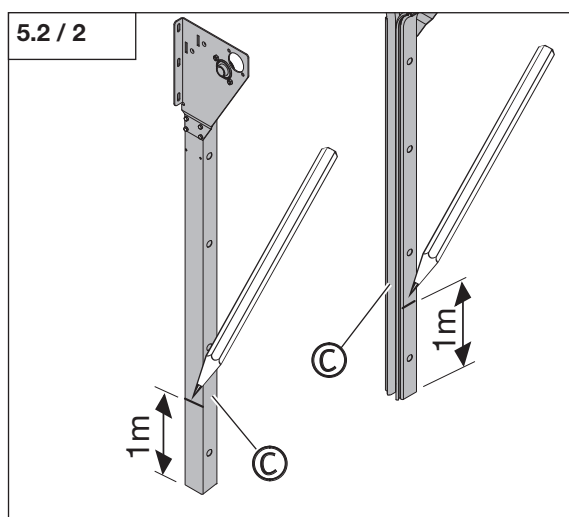
## 5. Installation

### 5.2 Aligning the runner rails

- Use a pencil to mark the 1 metre level.
- Transfer the 1 metre level to the opposite side.



- Use a pencil to mark the 1 metre level on the runner rails (C).

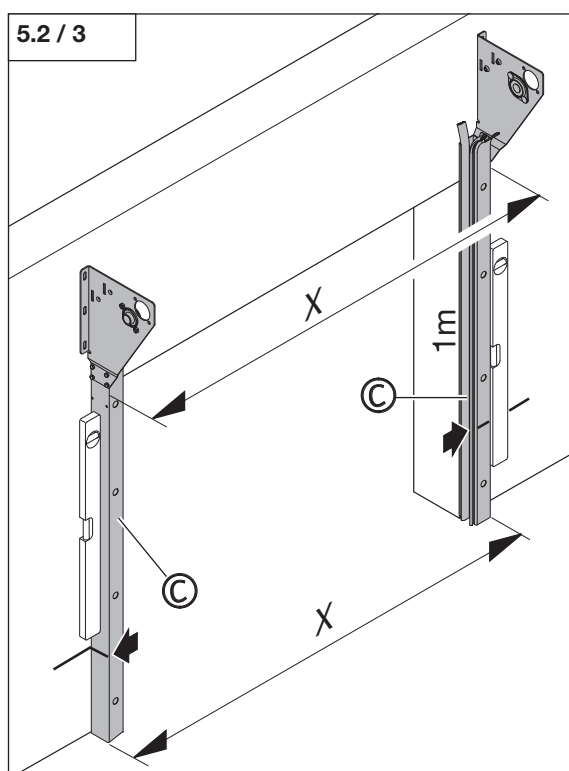


#### Note:

- In order to align the runner rails (C) correctly, the following conditions have to be fulfilled:
- The 1 metre level has been marked correctly.
  - The runner rails (C) are positioned vertically.
  - The distance (X) between the runner rails (C) is the same at the top and at the bottom.

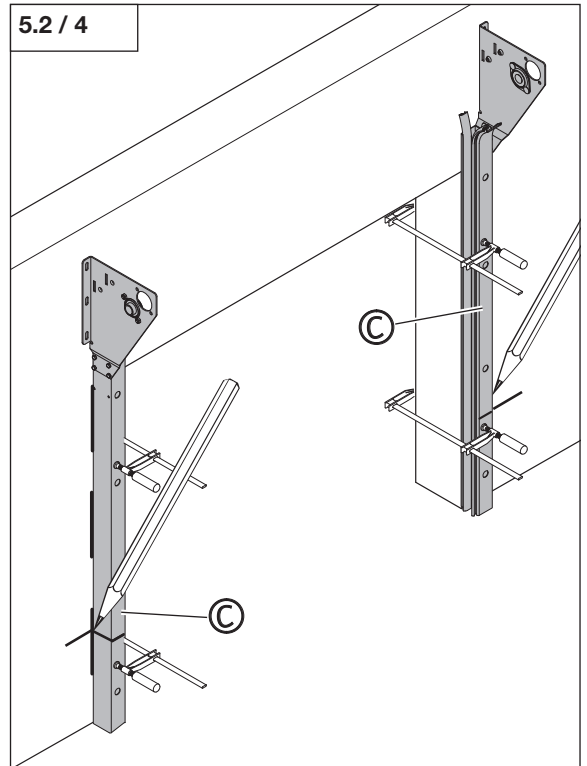
Please refer to the door-specific drawing for dimension X.  
X = distance measured between the runner rails.

- Align the runner rails (C).

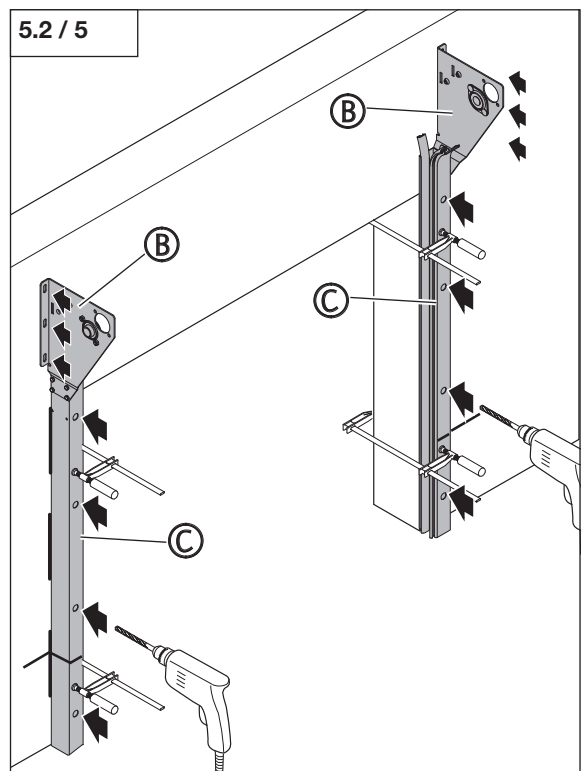


## 5. Installation

- Use screw clamps to fix the position of the runner rails.
- Use a pencil to mark the vertical position of the runner rails (C) onto the wall.



- Drill holes in the wall through all the holes in the runner rails (C).
- Drill holes in the wall through all the holes in the consoles (B).

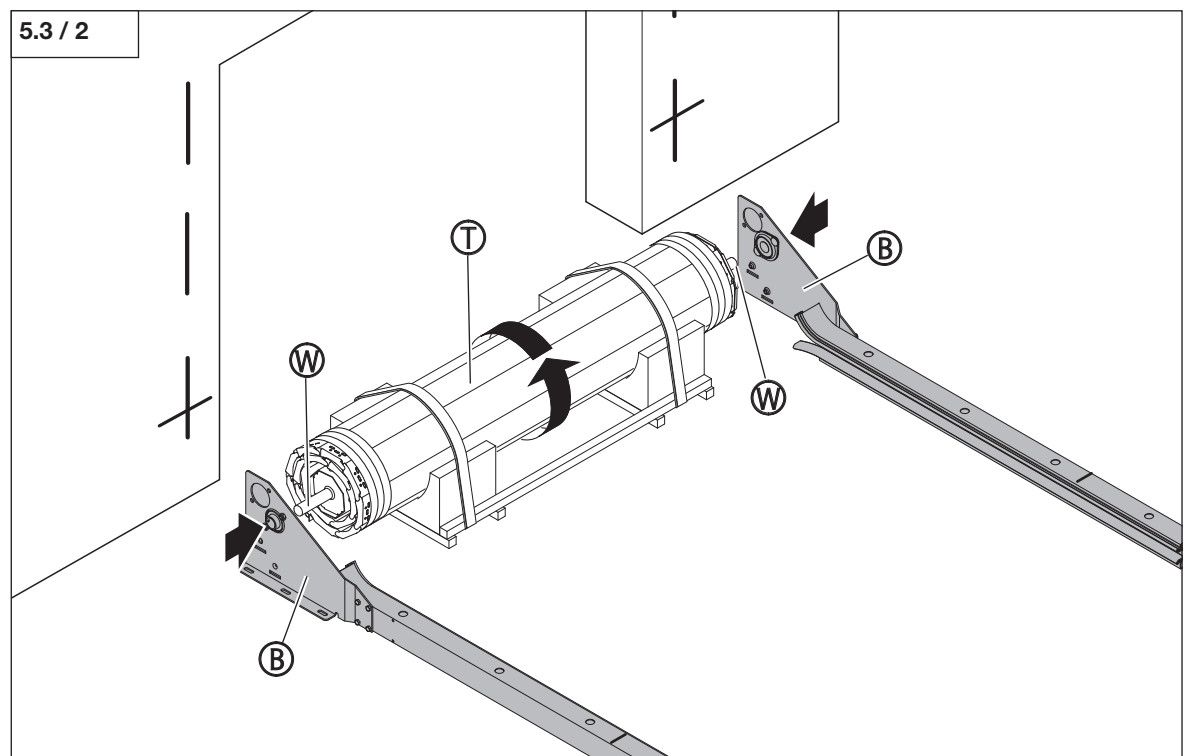
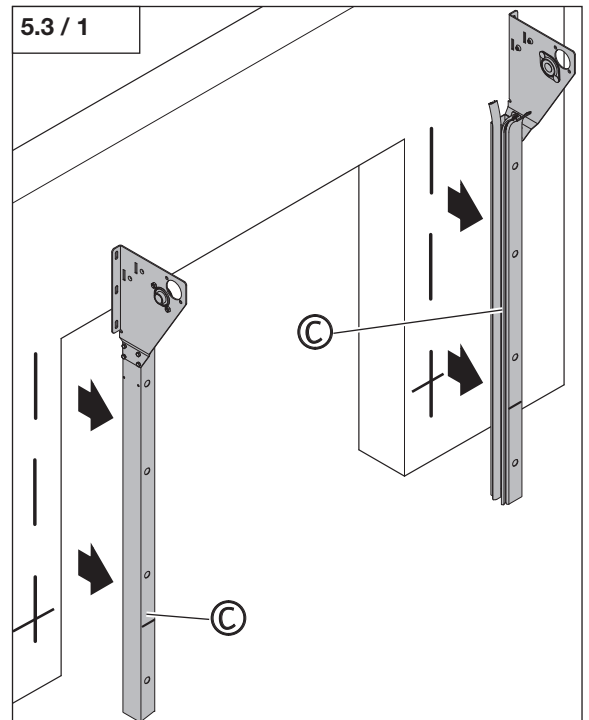




## 5. Installation

### 5.3 Assembling the curtain

- Loosen and remove the screw clamps.
- Remove the runner rails (C) from the wall.



#### Note:

The curtain (T) must face the opening in unwinding direction.

- Position the curtain (T) in front of the opening.
- Place the consoles (B) onto the shaft journals (W).



## 5. Installation



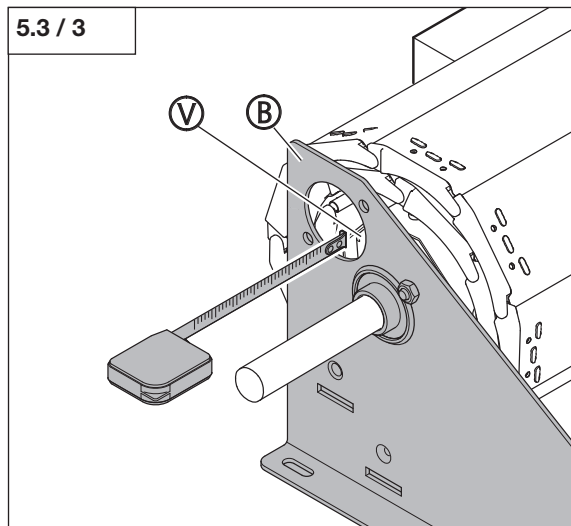
### Note:

The consoles (B) must be aligned to the winding shaft (V).

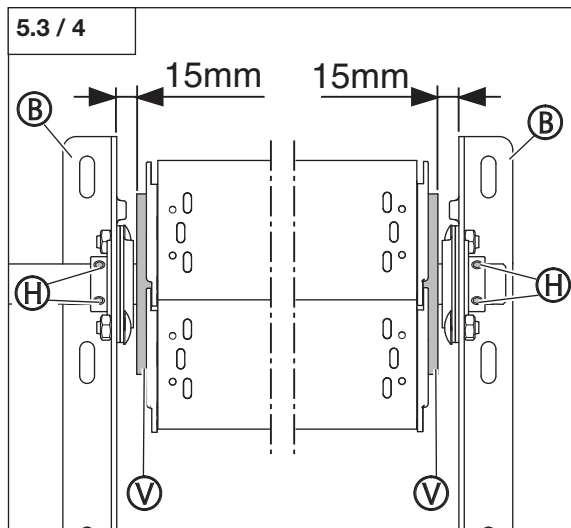
The distance between the inner surface of the console (B) and the winding shaft (V) must be 15 mm.

- Align the consoles (B) to the winding shaft (V).
- Use locking screws (H) to fix the correct position.

5.3 / 3



5.3 / 4



## 5. Installation

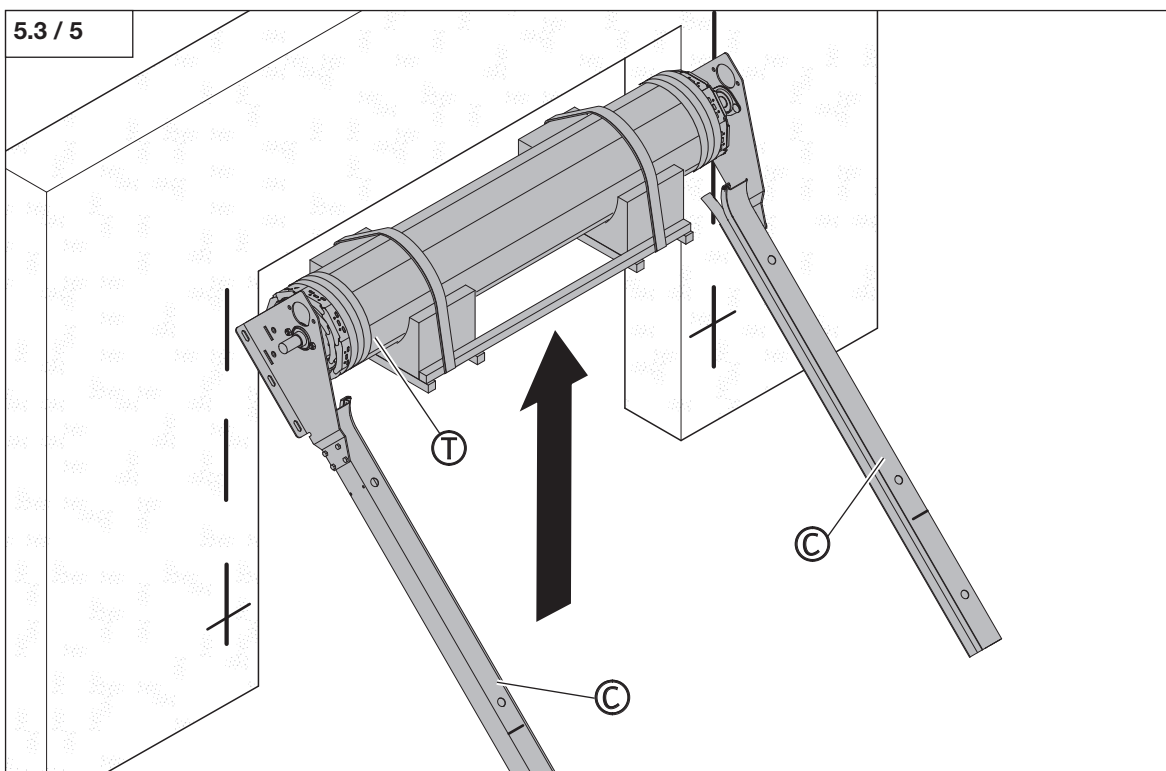


GB

### Caution!

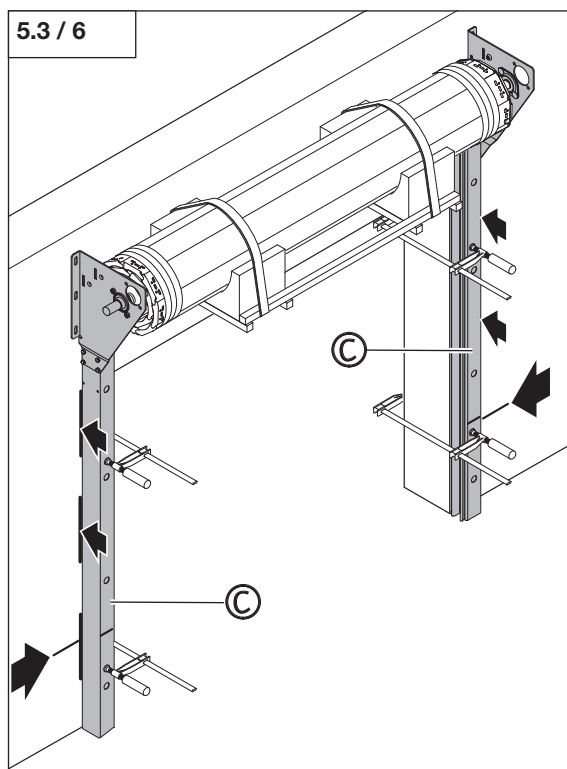
To prevent serious injuries, never stand or walk beneath the curtain (T) before the running rails (C) have been firmly screwed into position.

When transporting the curtain (T), always use suitable equipment that is appropriate for the size and weight of the curtain (T).



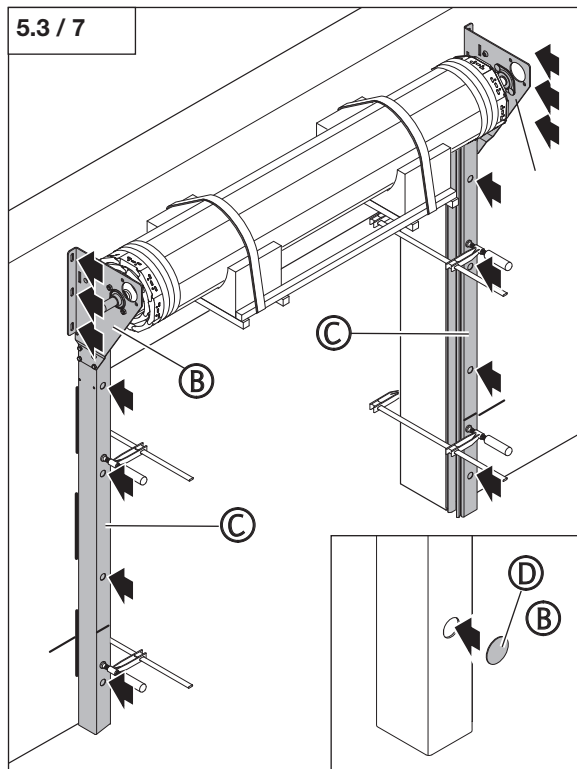
- Use the runner rails (C) to raise the curtain (T) above the opening.

- Align the runner rails (C) to the 1 metre level.
- Align the runner rails (C) to the vertical markings.
- Use screw clamps to fix the runner rails (C) to the wall.



## 5. Installation

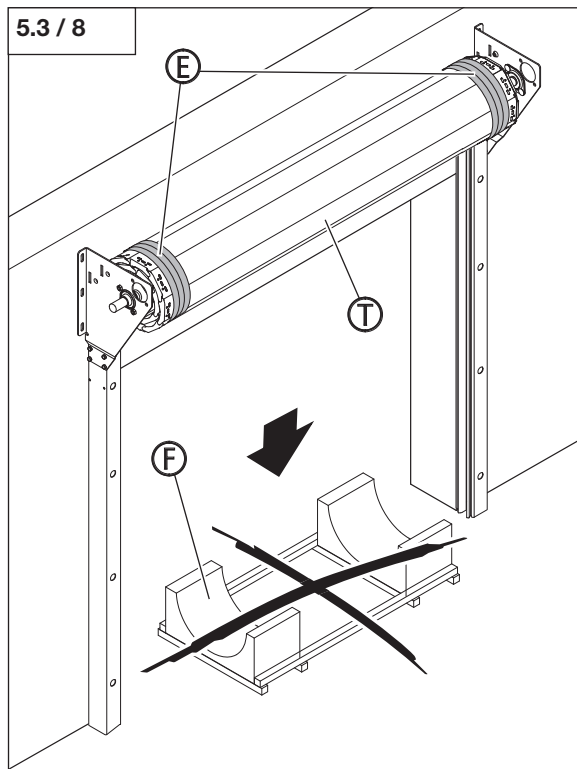
- Screw the runner rail (C) to the wall at all the previously drilled positions.
- Screw the consoles (B) to the wall at all the previously drilled positions.
- Insert the sealing plugs (D) into the holes in the runner rails (C).



### Caution!

To avoid personal injuries, the safety device (E), which prevents accidental unwinding of the curtain (T), must remain on the curtain (T).

- Remove transport material (F).
- Remove the screw clamps.

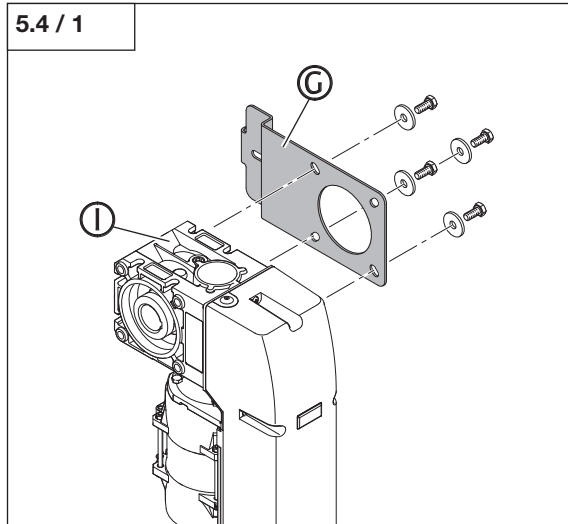


## 5. Installation

### 5.4 Assembling the drive

- Screw the torque supporting plate (G) onto the drive (I).

5.4 / 1

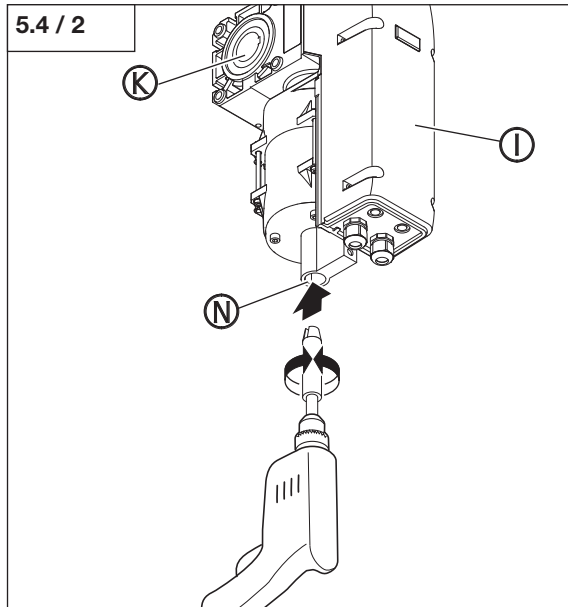


#### Note:

In order to position the drive (I) onto the shaft journal of the curtain, the shaft receiver (K) must be rotated to the correct position.

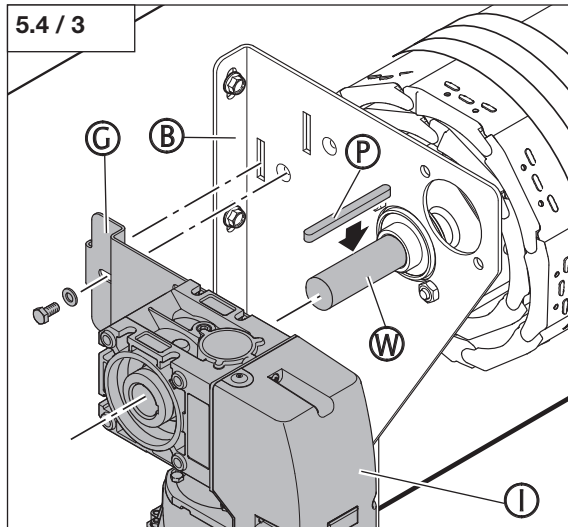
- Use the emergency drive operation (N) to rotate the shaft receiver (K) until the keyway is located at the correct position.

5.4 / 2



- Insert the feather key (P) into the keyway on the shaft journal (W).
- Place the drive (I) onto the shaft journal (W).
- Screw the torque supporting plate (G) onto the console (B).

5.4 / 3



## 5. Installation

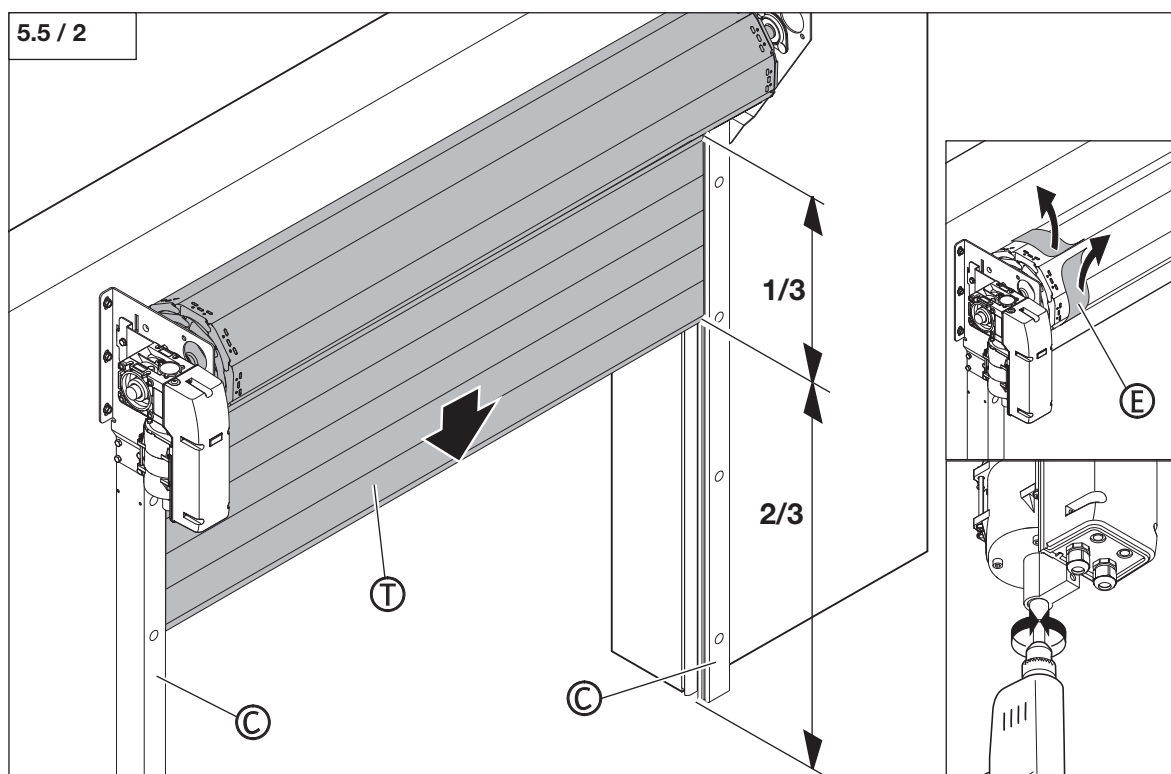
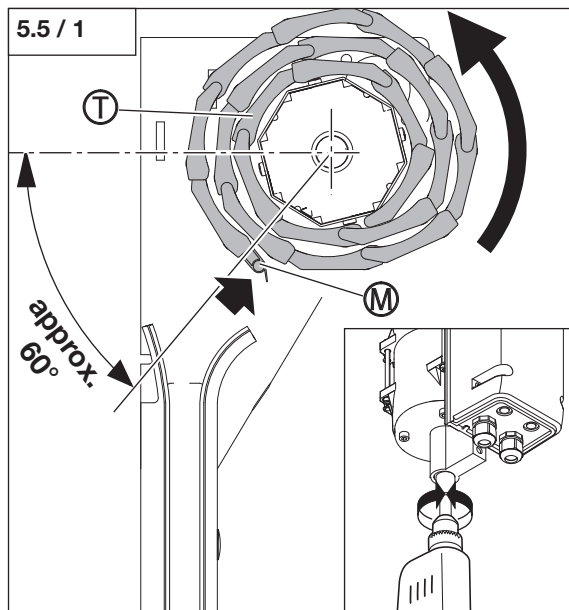


### 5.5 Inserting the curtain

#### Caution!

In order to prevent the curtain (T) overwinding, the bottom profile (M) must be moved to the displayed position prior to removing the safety device.

- Use the emergency drive operation to move the curtain (T) to the displayed position.



- Remove the safety device (E) from the curtain (T).
- Use the emergency drive operation to insert the curtain (T) into the runner rails (C).

## 5. Installation

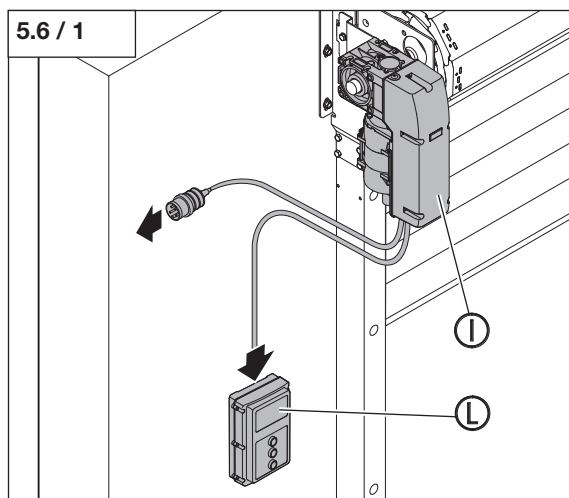
### 5.6 Connecting the drive

#### Reference:

Please refer to the drive and control unit instructions when connecting the drive and control unit.

- Connect the drive (I) to the control unit (L).
- Connect all the required safety equipment.
- Connect the drive (I) to the mains supply.

5.6 / 1



### 5.7 Setting the limit switches

#### Reference:

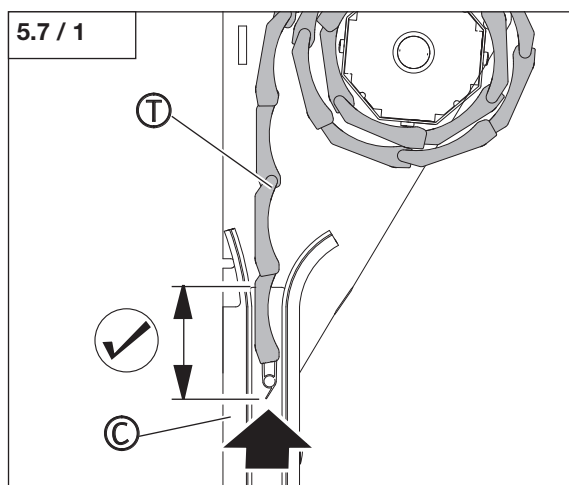
Please refer to the drive and control unit instructions when setting the limit switches.

#### Note:

The setting of the UP end position must ensure that the curtain panels (T) remain in the runner rails (C).

- Set the UP end position.

5.7 / 1



#### Note:

The DOWN end position must ensure that  
- the curtain panels (T) are not squashed and  
- the bottom profile (M) is not crushed.

- Set the DOWN end position.

5.7 / 2

