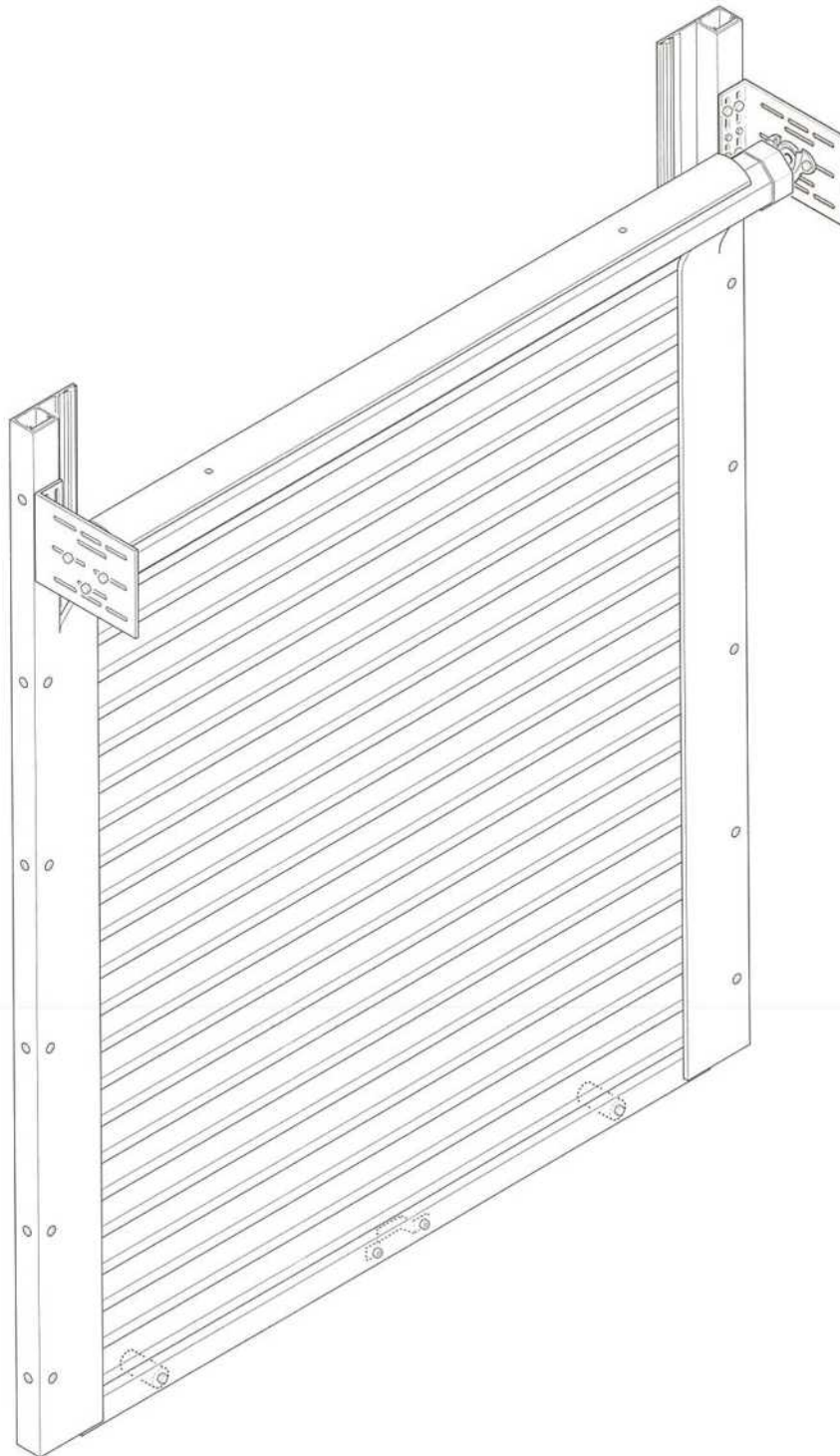
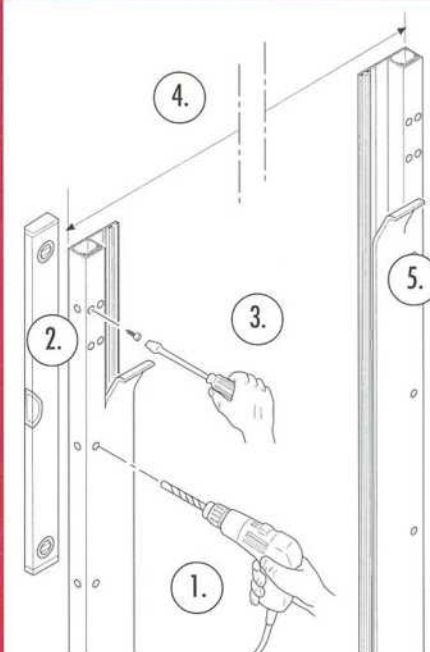


## Spring-assisted Rullari installation instructions

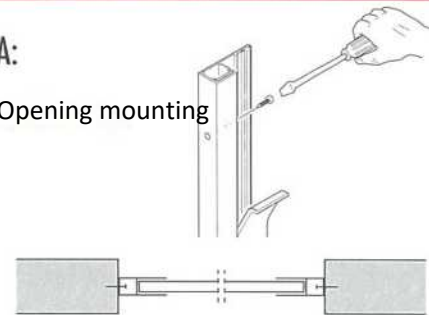


## STAGE 1: Mounting guide rails

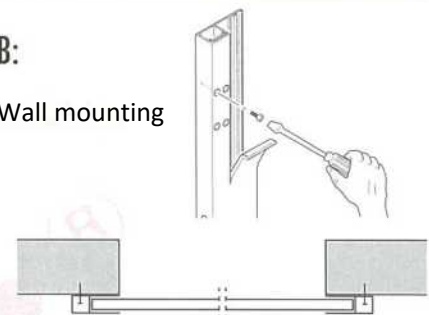


1. Drill holes where necessary into the guide rails. Note the installation method A = in the opening, B= on the wall surface
2. Make sure that the guide rail is straight
3. Fix the guide rail in place.
4. Check the distance between the guide rails according to the dimensions given in the order, taking the installation method (A or B) into account.
5. Attach the second guide rail, making sure that the guide rails are straight and parallel.

**A:**  
Opening mounting

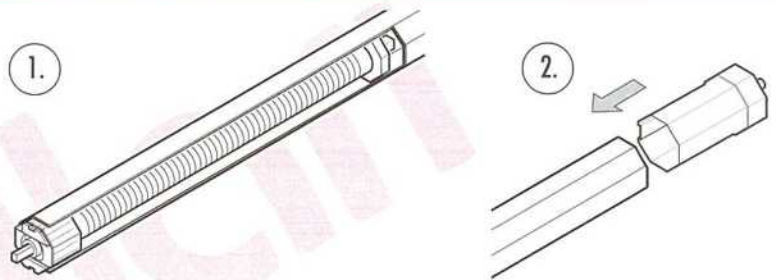


**B:**  
Wall mounting



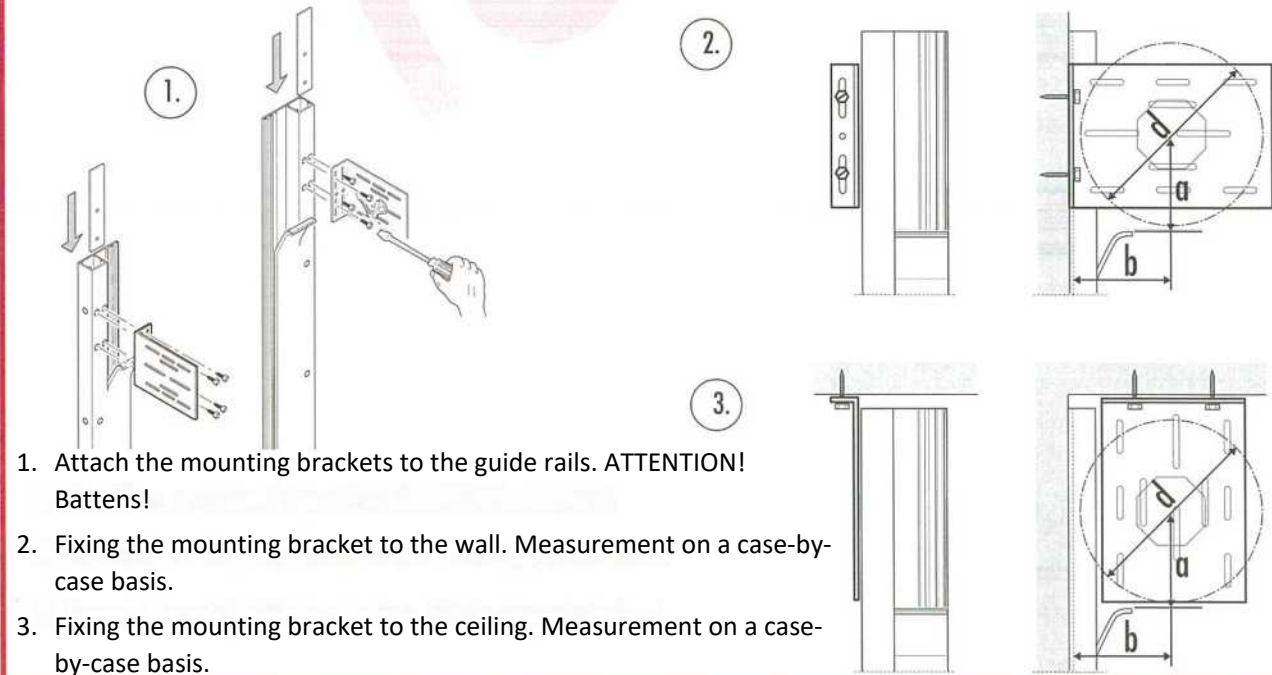
## STAGE 2 Assembling the axle

1. The spring is normally factory fitted to the axle.
2. Install the plastic adjustment stopper at one end of the axle.

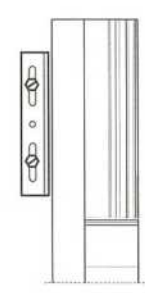



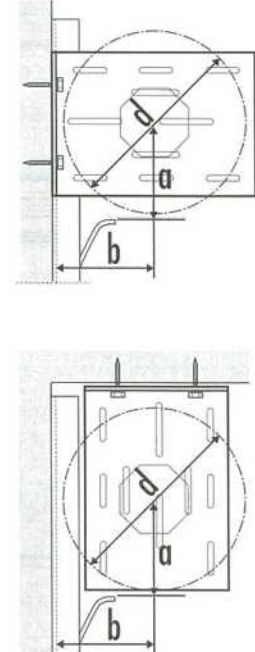
## STAGE 3: Installation of mounting brackets

ATTENTION! If the mounting brackets are already on the rails, go to step 4. For casing installation, go to step 7.



1. Attach the mounting brackets to the guide rails. ATTENTION! Battens!
2. Fixing the mounting bracket to the wall. Measurement on a case-by-case basis.
3. Fixing the mounting bracket to the ceiling. Measurement on a case-by-case basis.

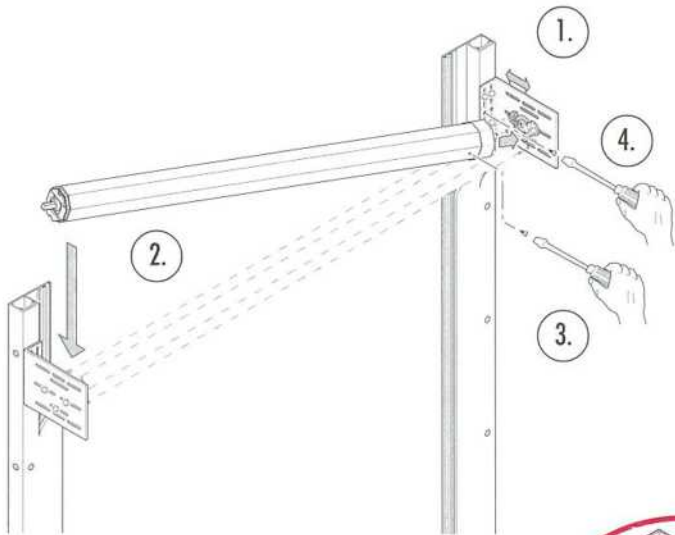


a= \_\_\_\_\_

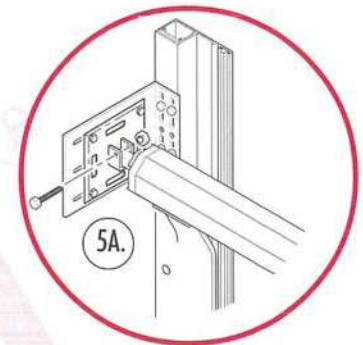
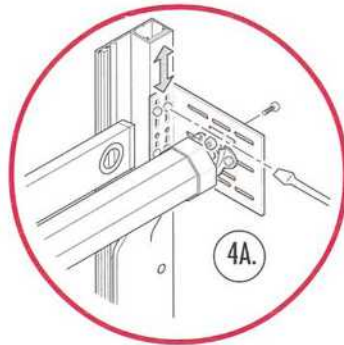
b= \_\_\_\_\_

d= \_\_\_\_\_

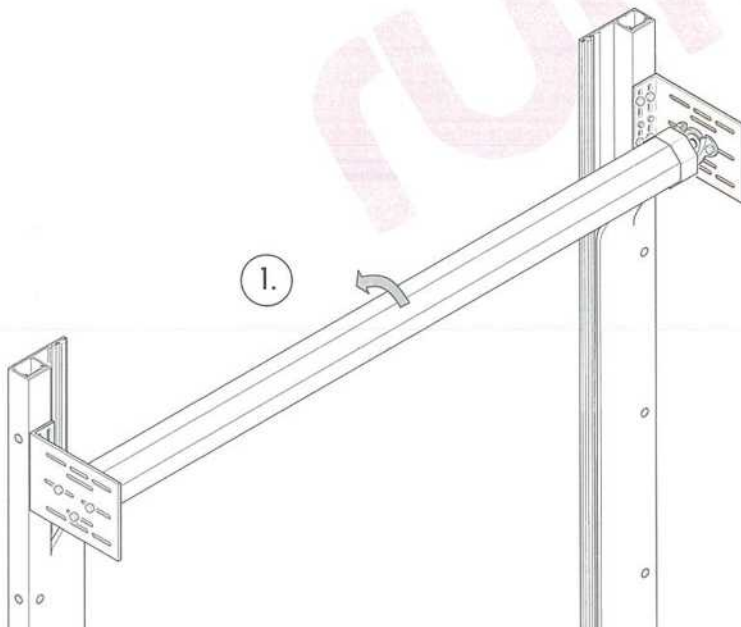
## STAGE 4: Install the axle and adjust



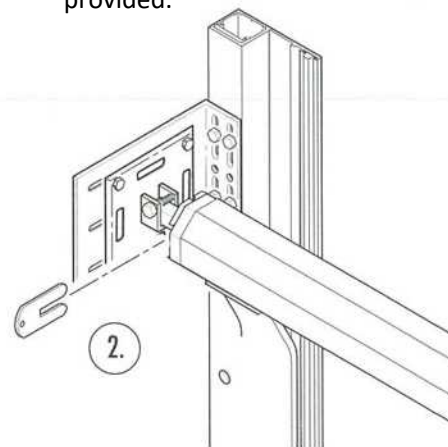
1. Adjust the distance between the bearing and the motor bracket and the guide rails so that the Rullari has room to wind around the axle. The diameter of the roller  $d$  is shown in step 3.
2. Lift the axle into position.
3. Using an Allen wrench, adjust the length of the axle to the appropriate length using the adjusting screw.
4. Make sure that the axle is straight and make the necessary adjustments to the mounting brackets (see figure 4A). Lock the mounting brackets into position with a drill screw. Also lock the ball bearing with the screw (see Figure 4A).
5. Lock the spring to the bracket with a screw (see Figure 5A).



## STEP 5: Twisting the preload on the spring



1. Turn the axle in the direction of the arrow (= preload) several times (around 4-6 rotations)
2. Lock the spring with the lock plate provided.

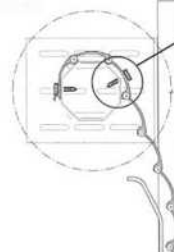


**ATTENTION!** If necessary, the preload spring can be changed while the shutter is already installed. The shutter roll, when wound rolled up around the axle, can be turned as a unit in either the direction of the arrow (increasing preload) or in the opposite direction (decreasing preload).

## STAGE 6: Installing the shutter and checking its operation

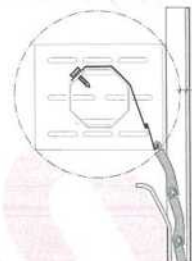
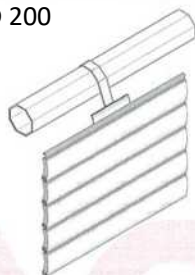
1. Lift the Rullari shutter over the axle to the guide rails and attach the Rullari to the axle to secure the shutter in place (see Figure 1A), either directly with a drill screw from the top edge, or by means of a retaining spring (see Figure 1B), depending on the model. Remove the spring lock plate.
2. Attach the plastic upper limit stoppers and the handle(s).
3. Make sure the Rullari shutter works unimpeded. Note the clearance max 5 mm (see Figures 1A and B). Also check the operation of the lock on lockable Rollers.

Figure 1A: models CD 600, CD 800 and Me 30



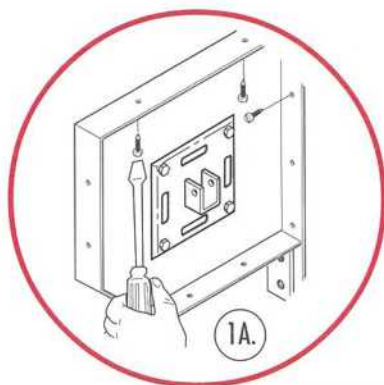
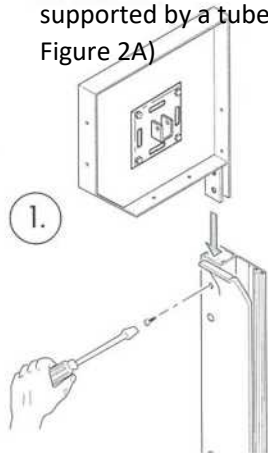
Locking to prevent sideways movement  
max 5 mm  
Securing the roller from the top edge.

Figure 1B: models CD 50, CD 150 and CD 200



max 5 mm  
Roller attachment by spring.

1. Attach the foot of the casing end piece to the guide rail with a drill screw. The end of the casing can be reinforced by fixing it to the wall / ceiling at a few points (see Figure 1A). Go back to stage 4, step 2, for installation.
2. Fix the casing cover with screws. For wide Rullari shutters, the casing can be supported with one or more screws by its top edge to the wall. The bottom edge of the casing can also be supported by a tube attached to the ends of the casing (see Figure 2A)



## STAGE 7: Option with prefabricated casing

