

BLOCKSUR safety lock

Ref. 5113105A



EN Installer Guide for traditional roller shutters

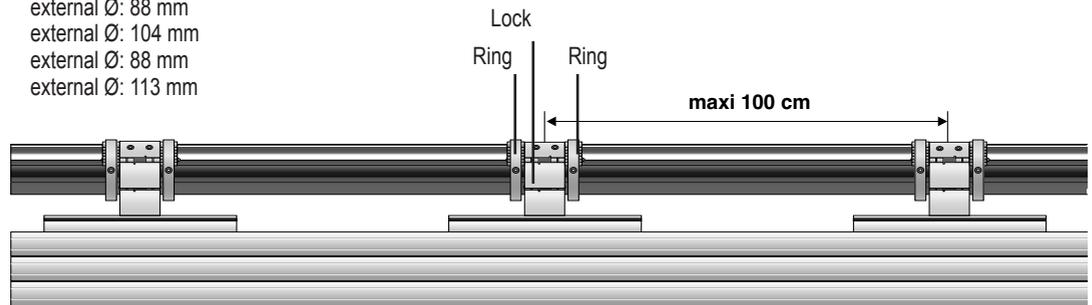
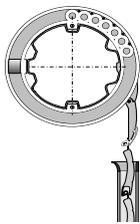
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HOME MOTION by **somfy**

1

The safety lock is designed for use with motors for traditional roller shutters. Somfy recommends use with motors featuring detection of 40 or 50 diameter obstacles in the following tubes:

- * Octo 40 (ring ref. 1782570)
- * ZF 45 (ring ref. 1782569)
- * ZF64 (ring ref. 1780115) external Ø: 88 mm
- * ZF80 (ring ref. 1780116) external Ø: 104 mm
- * Octo 60 (ring ref. 1780117) external Ø: 88 mm
- * Octo 70 (ring ref. 1780118) external Ø: 104 mm
- * F 2000 (ring ref. 1780119) external Ø: 88 mm
- * F5039 (ring ref. 1780120) external Ø: 113 mm



2

NUMBER OF LOCKS

1 lock must be fitted at each end + 1 lock every 100 cm.
Max. weight per lock: 30 kg.

NUMBER OF LOCK LINKS

The blocksur lock is available with 2, 3 or 4 links. The choice between these three models depends on the rollers' offset in relation to the guide rail (D) and the distance between the top of the apron and the roller (H):

8-slat 14-slat

Case no. 2: 2 links ref. 1780109 ref. 1780110

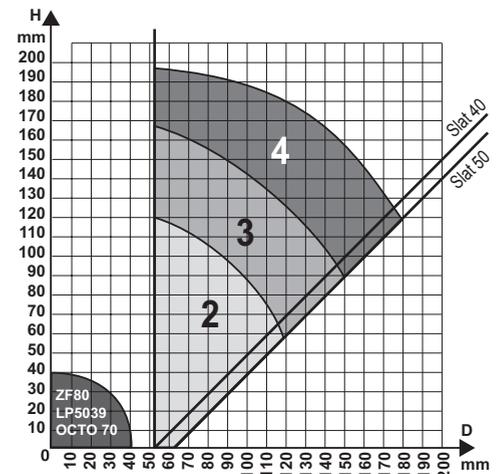
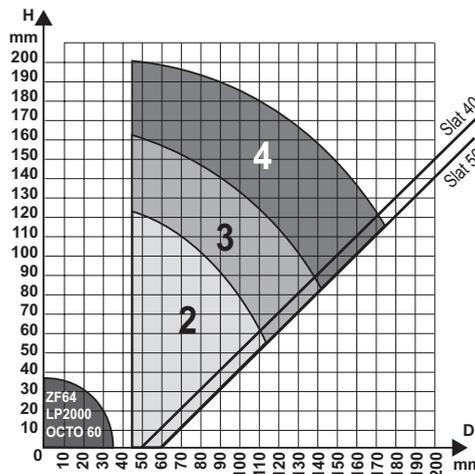
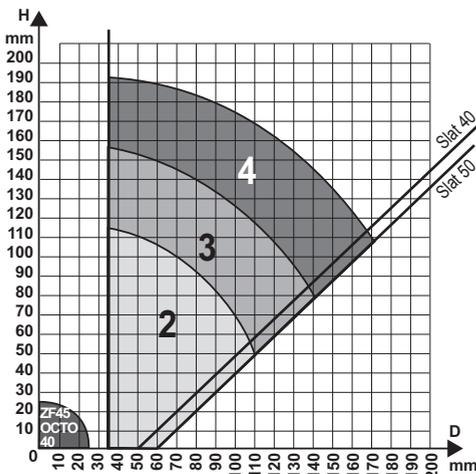
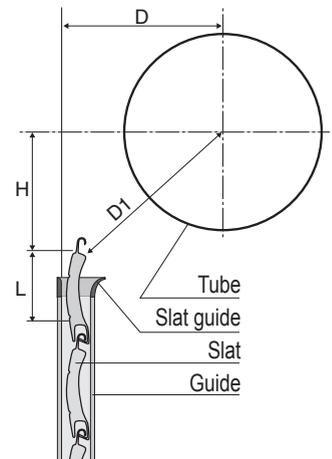
Case no. 3: 3 links ref. 1780111 ref. 1780112

Case no. 4: 4 links ref. 1780113 ref. 1780114

Also make sure that the apron entering the housing (L) is of a certain height to ensure that the locks operate correctly:

L min = 10 mm

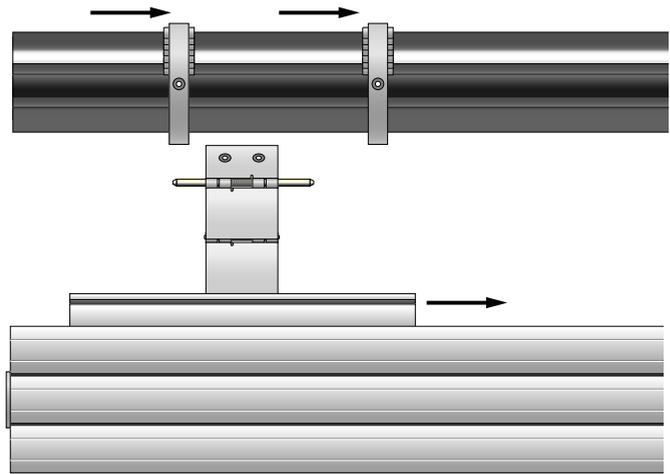
L max = no slat + 10 mm



3

ASSEMBLING THE SAFETY LOCKS

- * Slide the rings onto the tube before assembling the motorised roller (2 rings per lock), and make sure they are facing the same direction.



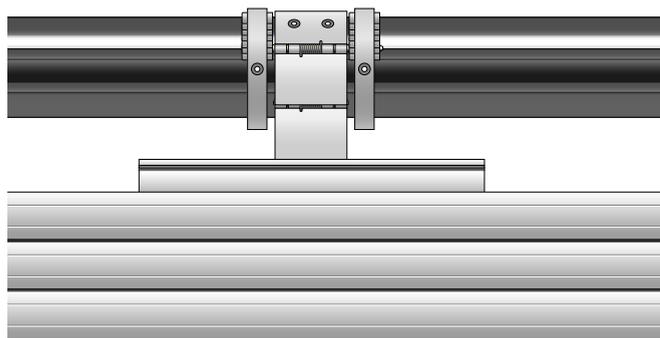
PREPARING THE APRON

- * Slide the required number of locks onto the apron
- * Lower the apron into the guide rails (apron completely lowered and slats compacted).
- * Position the locks across the width of the apron; the locks at the ends must be as close as possible to the guide rails.

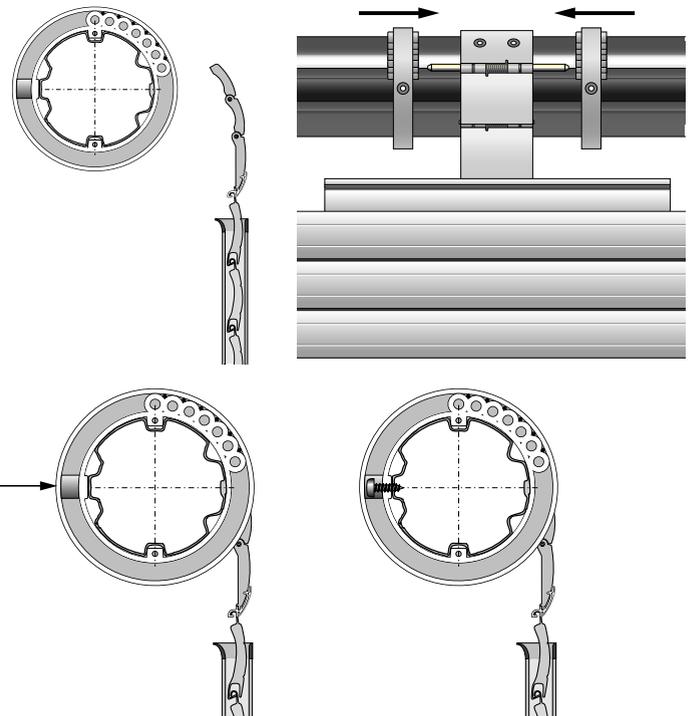
4

FIXING THE LOCKS ONTO THE MOTORISED ROLLER

- Perform the installation's electrical wiring.
- Place the operating unit in the limit switch adjustment position (see the assembly instructions for your motor).
- Turn the motorised roller using the controls until the lock mounting holes on the rings are in the top quarter, on the guide rail side.
- Click the operating unit's lower limit switch into place.
- Engage the rings onto the locks' coupling pin.
- Prevent the rings from moving by positioning the screw in the bores of tubes ZF45, ZF64 and ZF80 or by using it to apply pressure onto the other tubes.



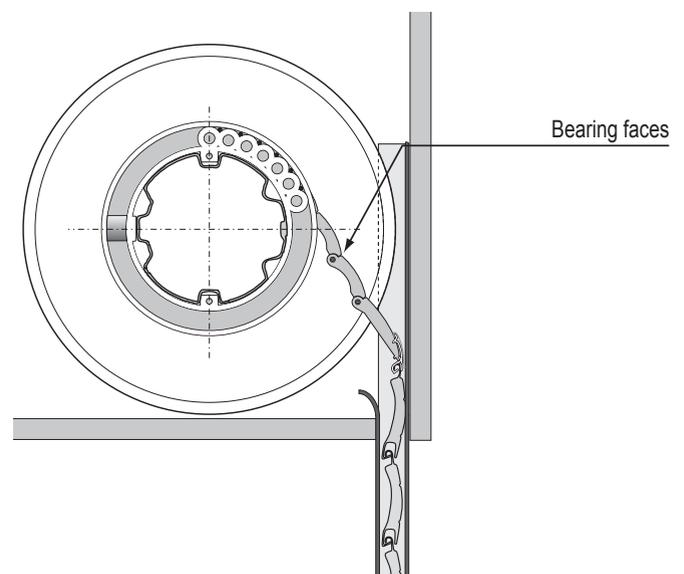
Correctly mounted ring



5

LOCK OPERATION

- The locks operate correctly when the links' bearing faces touch and the apron is well compacted.
- If the locks are too horizontal:
 - you may need to use locks with less links.
- If the locks' coupling profile is under the bottom of the case:
 - you may need to use more links or add a slat to the apron.
- Check that you have chosen the correct number of links on the lock calculation table and make sure that side L is respected.



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