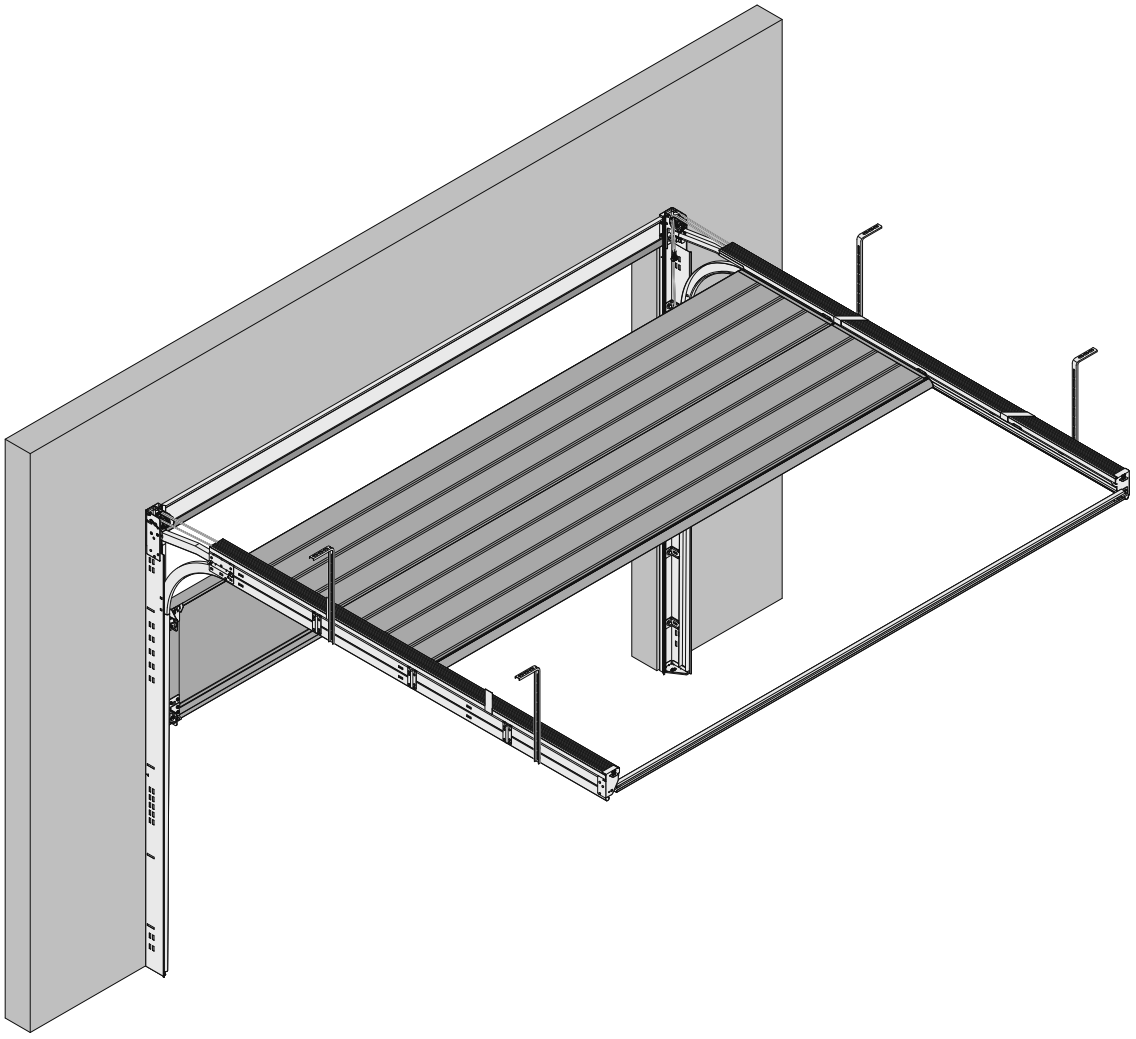
SPRING TRAY ASSEMBLY

Spring trays are pre-assembled at the factory however, should you need to maintain or adjust the spring trays, follow these instructions.

SECTIONAL GARAGE DOOR

Installation, Operating, and Maintenance Manual



Watch the video!

Installing the springs (Instructions Method)

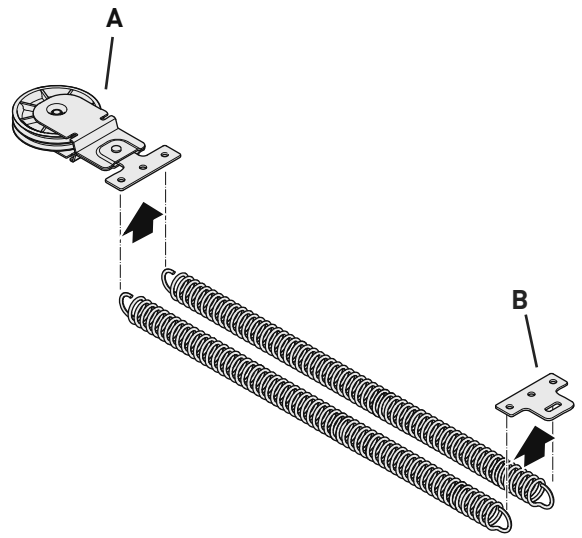
Installing the springs (Alternative Method)

3.11 Assembling the double and triple spring package

NOTE!

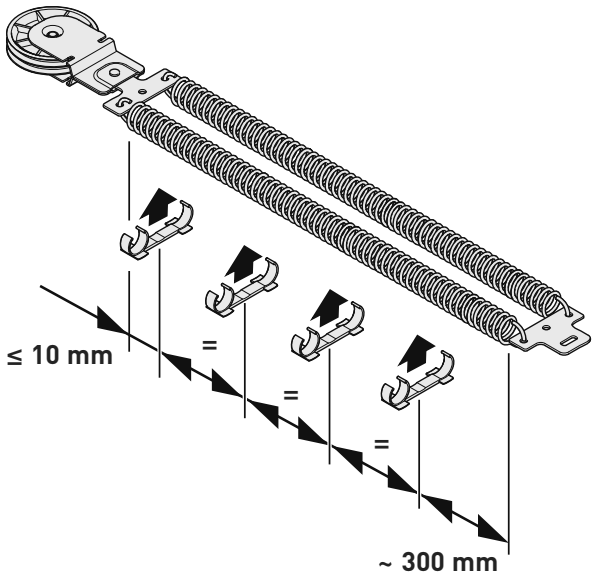
The two outer spring brackets must be installed outward insofar as possible.

3.11 / 1



- ⇨ Mount the side roller bracket (A) on the springs.
- ⇨ Mount the side spring bracket (B) on the springs.

3.11 / 2



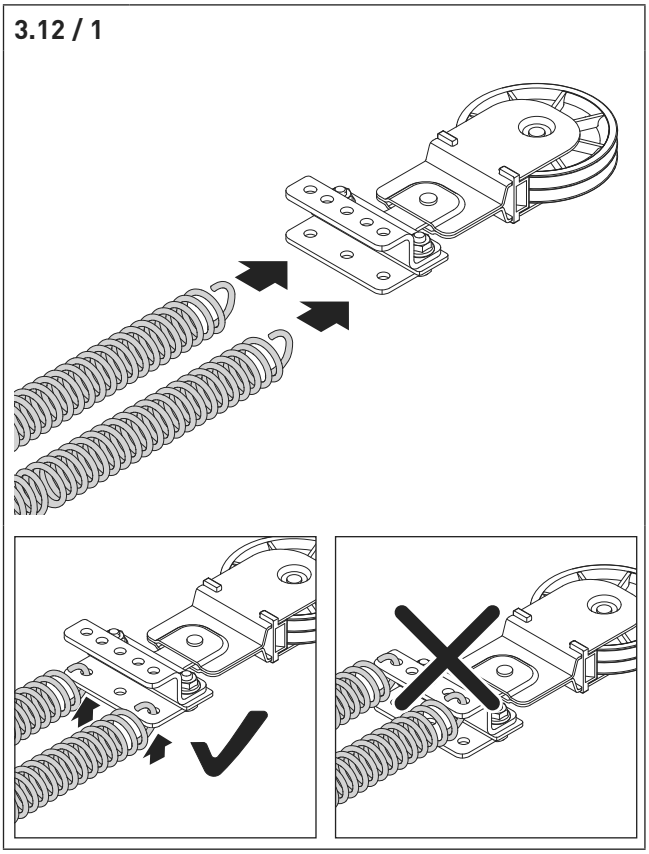
- ⇨ Fit a plastic sliding block onto the springs from below.
- ⇨ Fit a second plastic sliding block onto the other end of the springs from below.
- ⇨ Fit the other plastic sliding blocks from below, spaced evenly on the springs.

3.12 Assembling the quadruple spring package

NOTE!

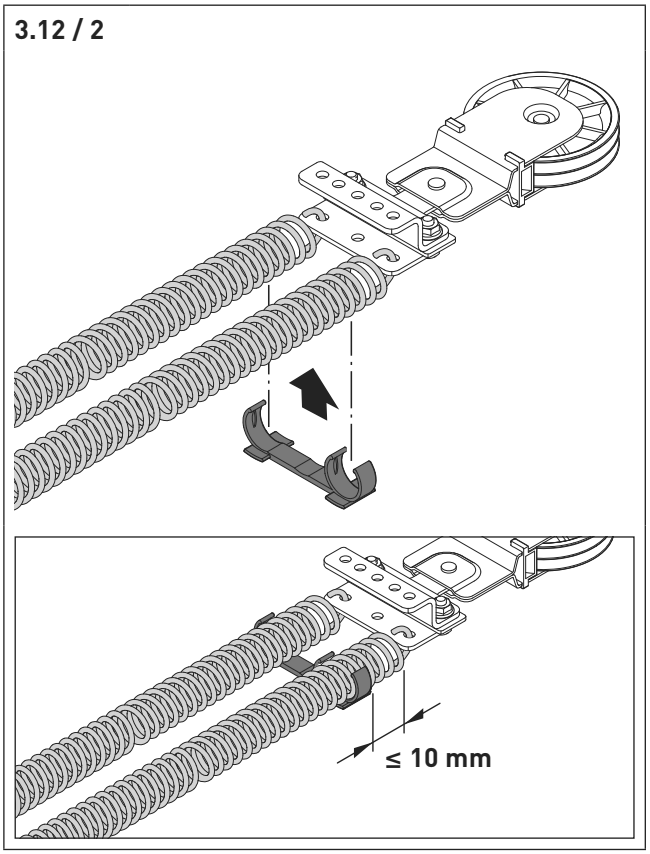
The two outer spring brackets must be installed outward insofar as possible.

3.12 / 1



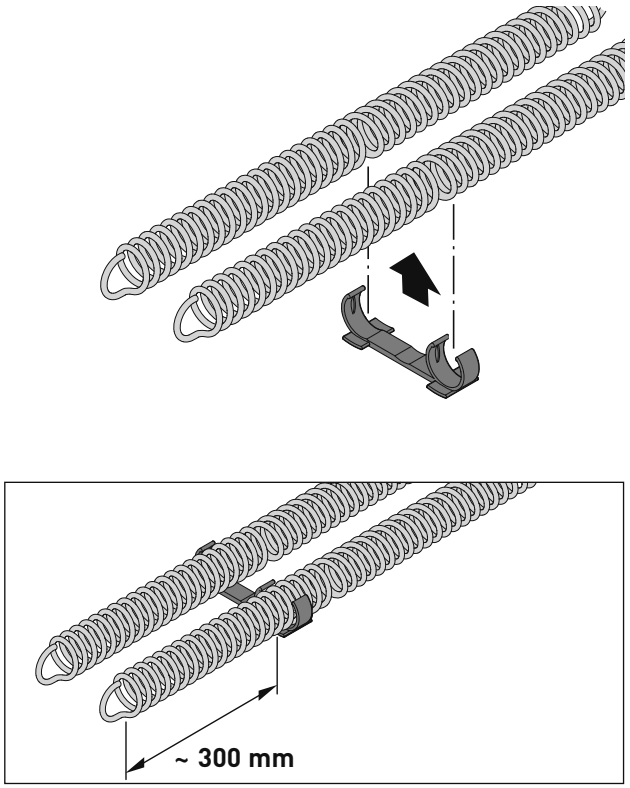
- ⇨ Mount the rope pulley holder onto the springs.
- ⇨ Make sure the springs are correctly hung into the lower mount.

3.12 / 2



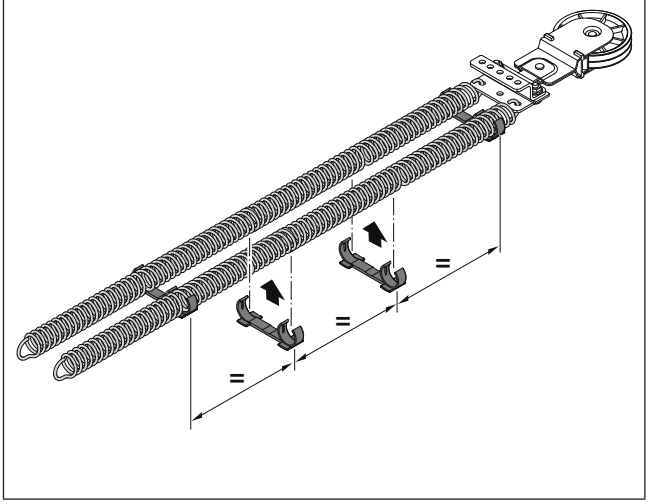
- ⇨ Attach a plastic slide piece onto the springs from below.

3.12 / 3



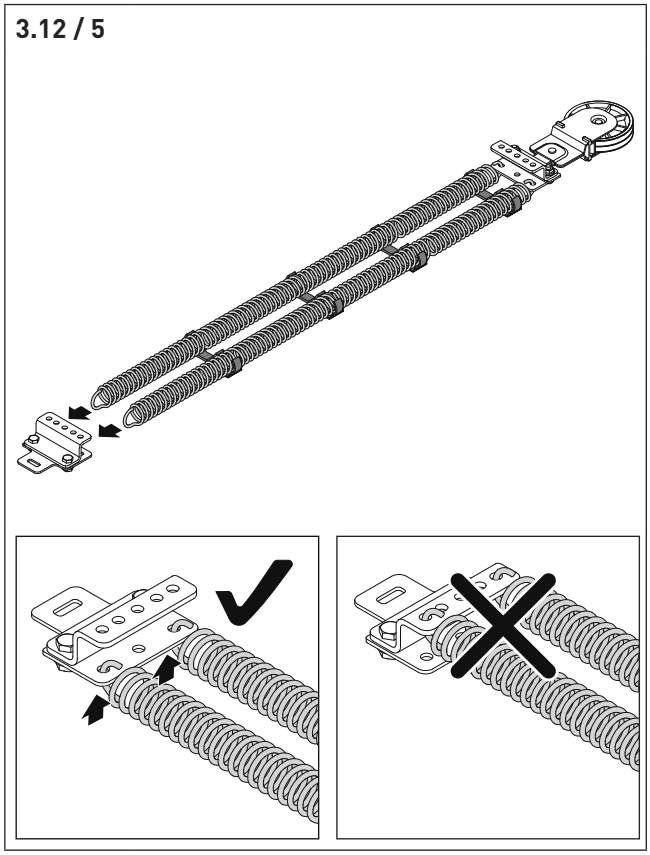
➪ Attach a second plastic slide piece from below onto the other end of the spring.

3.12 / 4



➪ Attach the other plastic slide pieces onto the springs from below at equal distances.

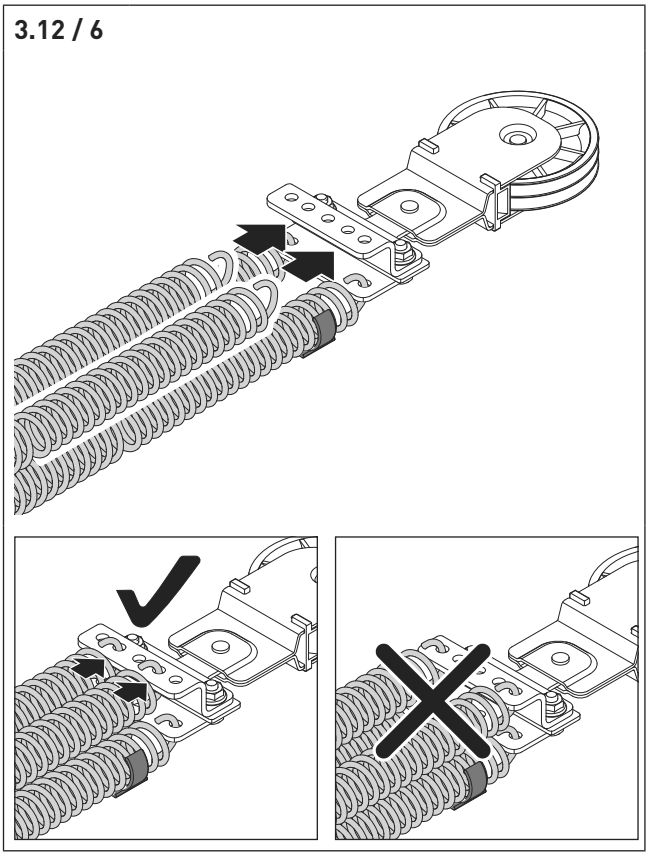
3.12 / 5



➪ Mount the spring holder onto the springs.

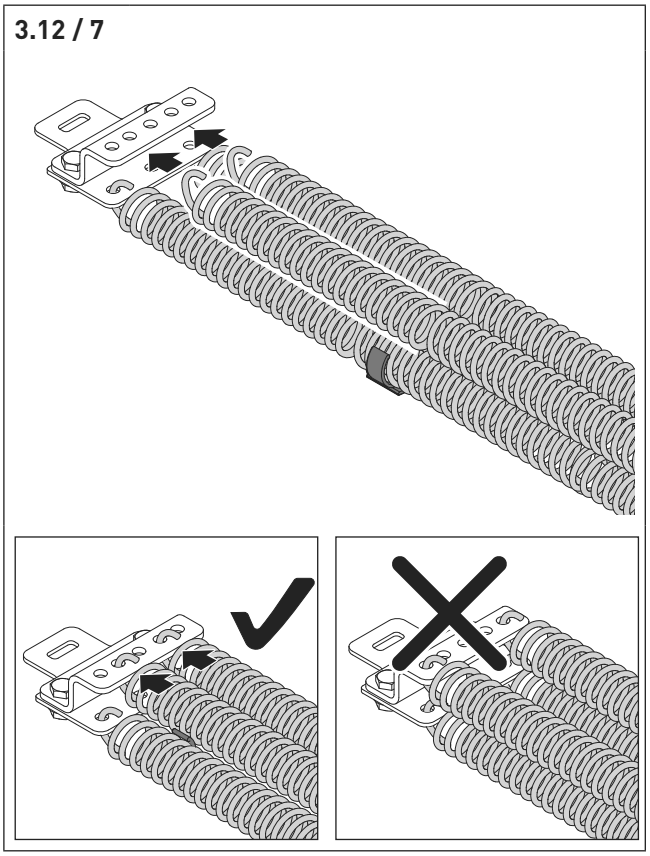
➪ Make sure the springs are correctly hung into the lower mount.

3.12 / 6



- ⇨ Mount the upper two springs onto the rope pulley.
- ⇨ Make sure the springs are correctly hung into the upper mount.

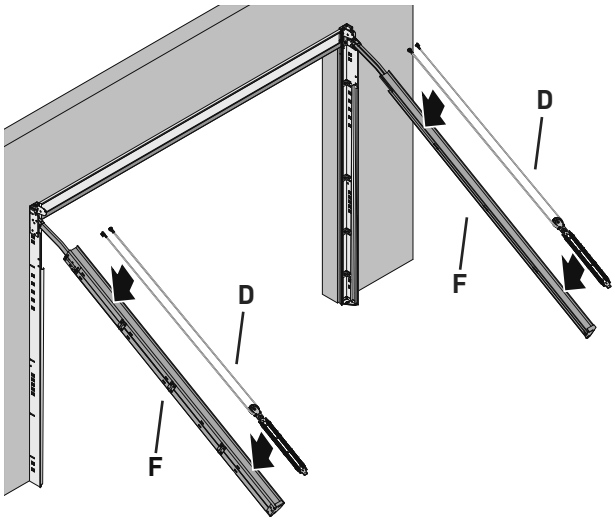
3.12 / 7



- ⇨ Mount the upper two springs to the spring holder.
- ⇨ Make sure the springs are correctly hung into the upper mount.

3.13 Installing the spring package into the spring channel

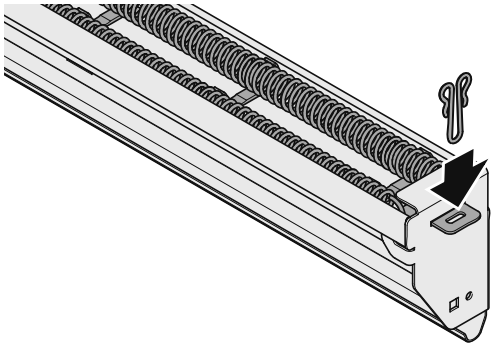
3.13 / 1



The spring packages (D) are not the same. The right and left spring packages must be assigned to their corresponding gate sides so that the rope bracket (E) points toward the outside of the gate.

➪ Insert the appropriate spring package (D) into the right and left spring channel (F).

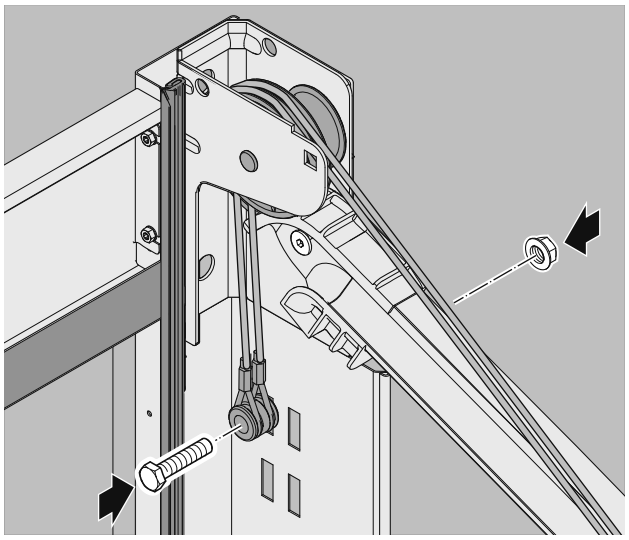
3.13 / 2



➪ Secure the spring package with the spring plug.

3.14 Assembly of the wire rope

3.14 / 1 **Type 10**



➪ Guide the end of the rope with the rope take-up bushing over the rope pulley.

➪ Pull the rope to one of the first punches, so that the rope is slightly pre-tensed when the horizontal frame is aligned.

➪ Insert the screw through the rope take-up bushing and the punch of the vertical frame.

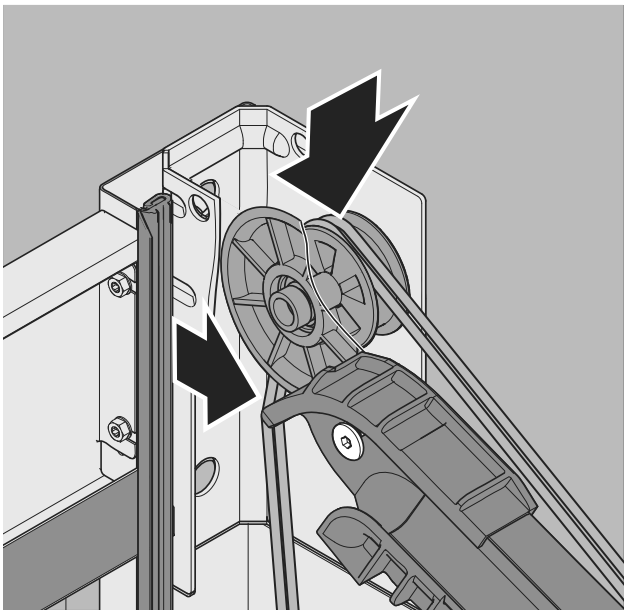
➪ Secure the screw with the nut.

➪ Make sure the ropes are not twisted.

NOTE!

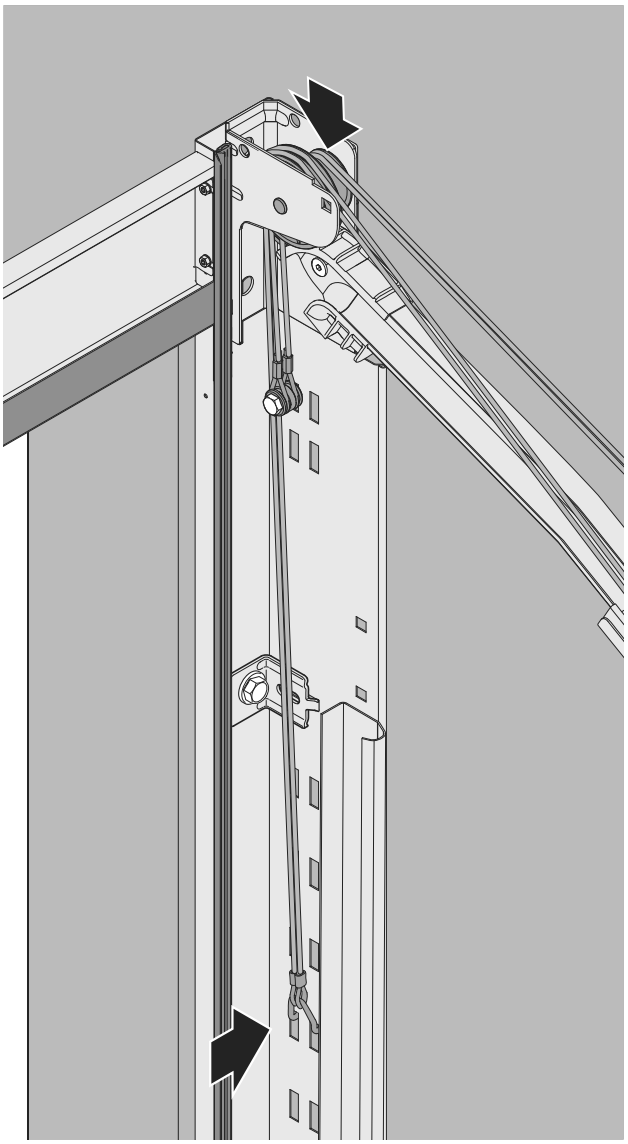
The cable must run **over** the support roller.
The cable must not be inserted into the frame bracket next to the curved rail.
If you do, the action of the resulting forces could damage the frame!

3.14 / 2



➪ Route the cable **over** the curved rail and insert the support roller into the frame bracket.

3.14 / 3



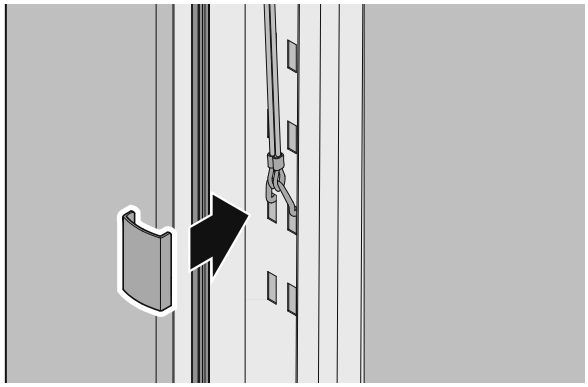
➪ Pull the rope taut.

➪ Tension the rope by another approx. 150 mm.

➪ Hook the rope with the rope bracket into the next punch.

☑ The rope end on the left and right side must be hooked into the same punch.

3.14 / 4



⇨ Mount the cover of the rope bracket.

⇨ Proceed on the opposite side as described above (Fig. "3.14 / 1" to "3.14 / 4").

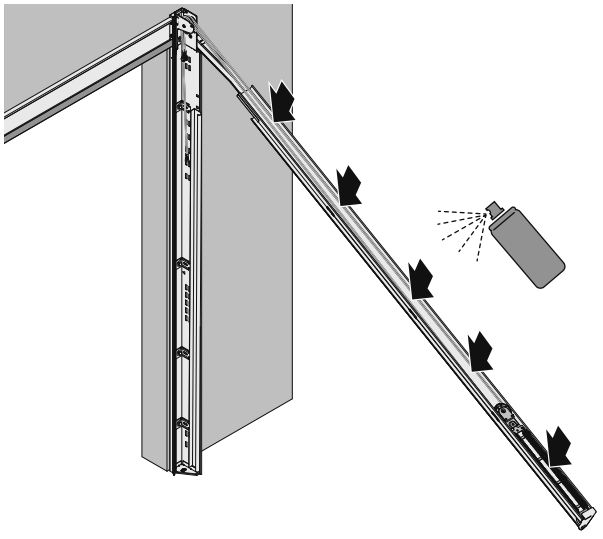
3.15 Assembly of the spring channel cover

NOTE!

Prior to covering the spring channel, it must be ensured that

- the ropes are not twisted,
- the ropes run freely,
- the rope ends are mounted,
- the spring channel is free from dust and dirt.

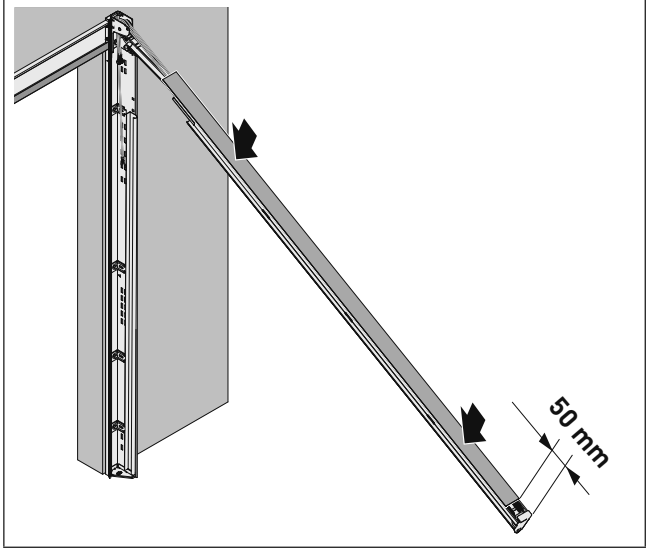
3.15 / 1



⇨ Spray the spring channel with spray grease.

3.15.1 Double and triple spring package

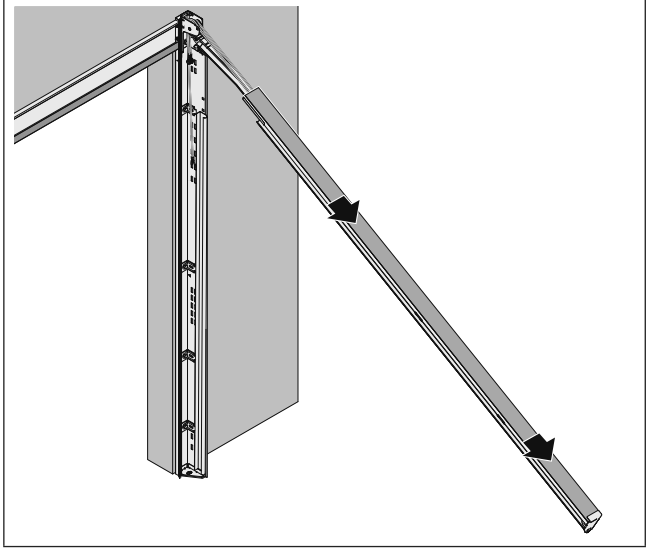
3.15.1 / 1



The cover must protrude approx. 50 mm on the door side.

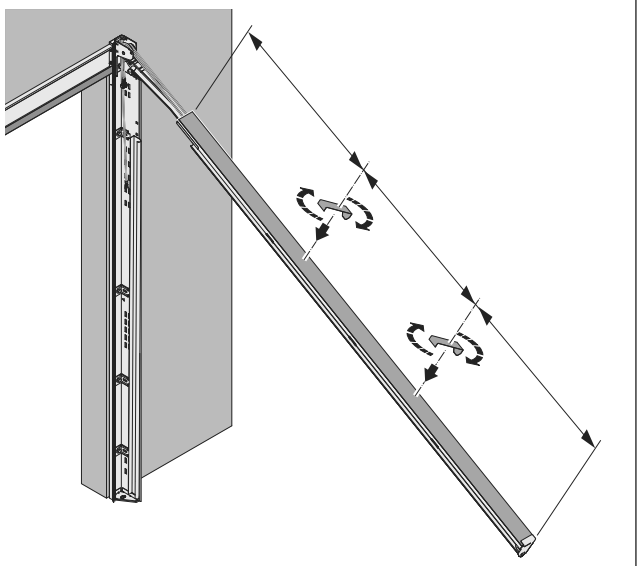
⇨ Mount the cover on the spring channel.

3.15.1 / 2



⇨ Press the cover on the spring channel until it engages.
The profiling of the cover must engage in the profiling of the spring channel.

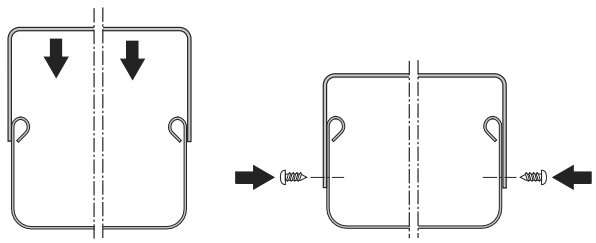
3.15.1 / 3



➪ Secure the cover with the spring channel brackets.

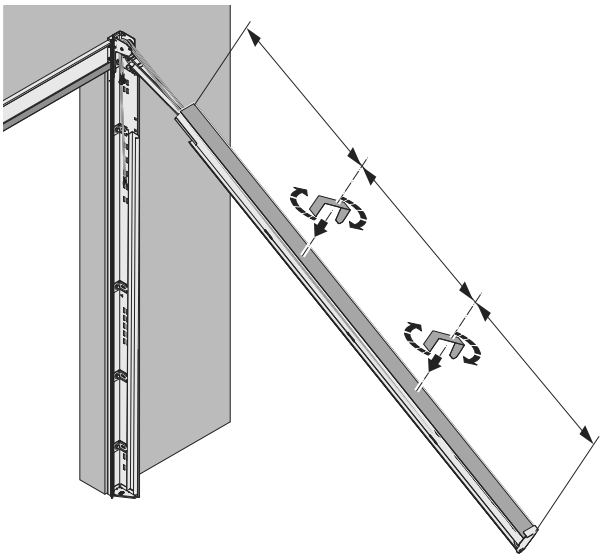
3.15.2 Quadruple spring package

3.15.2 / 1



➪ Screw the cover on the spring channel at the holes provided for this purpose.

3.15.2 / 2



➪ Secure the cover with the spring channel brackets.

Any questions? We would be glad to help! Contact your Teckentrup consultant.

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