

Manual No. 7081

INSTALLATION

01/23

RT200

(Torsion Springs)

Residential garage doors Manual or Motorised





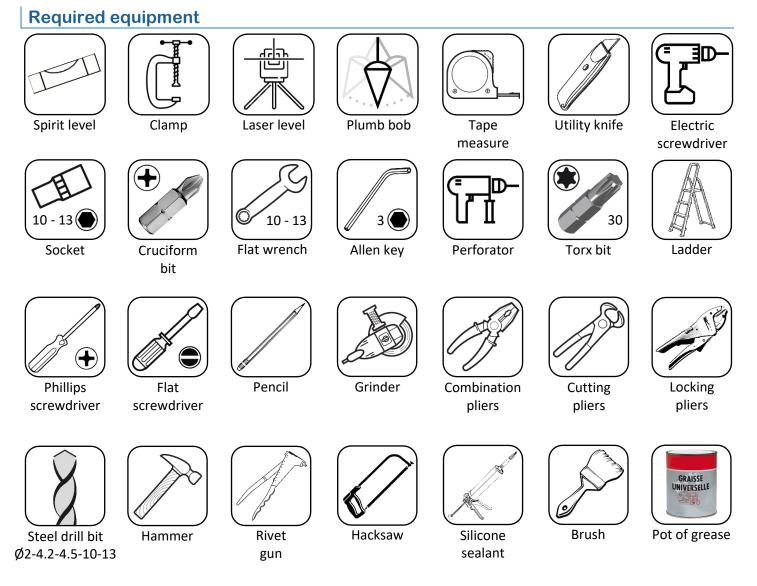
(Document reserved for installers)

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Before installation





Grease spray

Installation instruction

CAUTION !

To ensure that this product is assembled, used and maintained in complete safety, it is important to follow the instructions provided in this document. For everyone's safety, please adhere to the precautionary measures below.

- Before beginning the assembly, read this manual carefully.
- This closure must be installed by a professional technician.
- All the parts delivered are specifically sized for this product. Adding and/or using other parts may be detrimental to safety and may affect the product's warranty.
- Any modification or improvement of this closure must be compliant with the standard BS EN 13241:2003+A2:2016. In this case, a "modification/transformation" file must be created by the installer as per the standard BS EN 12635:2002+A1:2008 annex C.
- Considerable force is exerted by the torsion springs ; carry out work in accordance with the safety instructions. Use the appropriate tools to install these products. Ensure that all work is carried out on a stable floor.
- Ensure that the assembly area is adequately lit, clear, clean and clearly marked out.
- Ensure that no other people are present at the assembly site apart from the installers. Non-authorized persons (children for example !) who are present at the site risk injury during assembly.
- All the components of this closure must be installed in compliance with the installation instructions provided in this manual.
- All the requirements of the standards BS EN 13241:2003+A2:2016 must be met and verified if necessary.

Max. tightening torque :

- Assembly screws : **10 Nm**
- Shutter mounting screws : 12 Nm

Min. working load per attachment point :

- Compensating shaft : 300 daN
- Rails : 40 daN



x1

Kits for MOTORISED doors



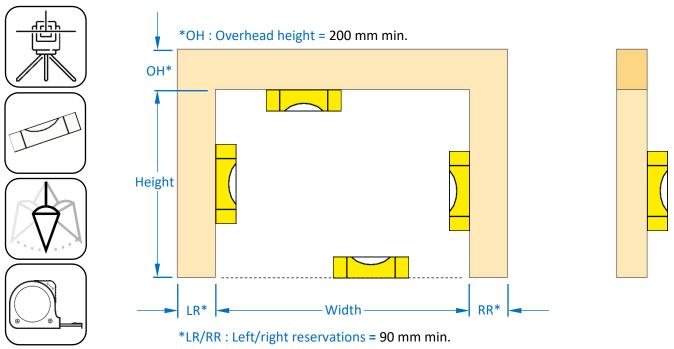
Kits for MANUAL doors



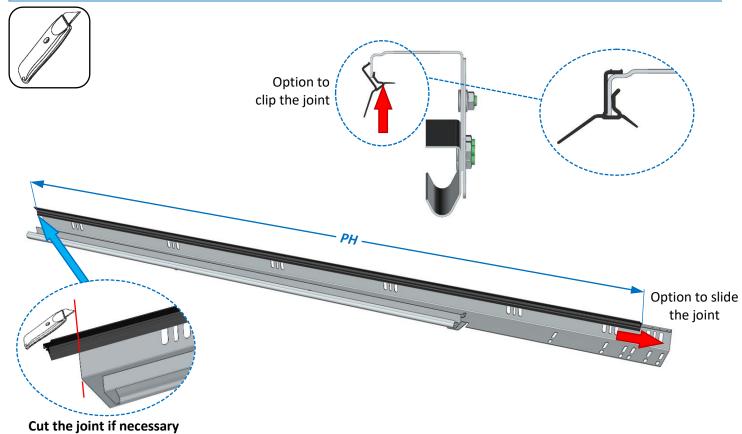


Vertical rail installation

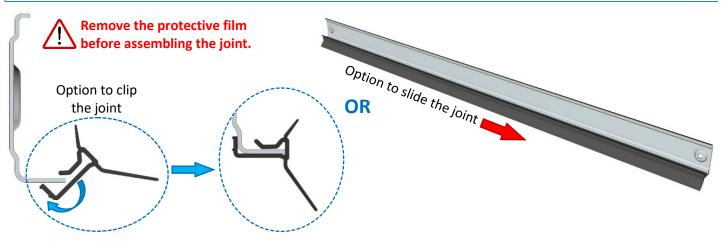
Checking the bay



Assembling the vertical seals



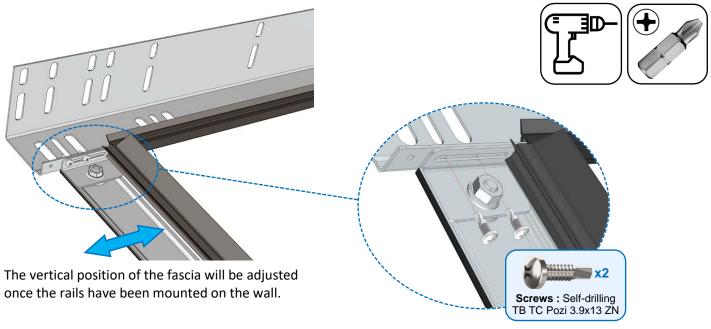
Assembling the fascia seal



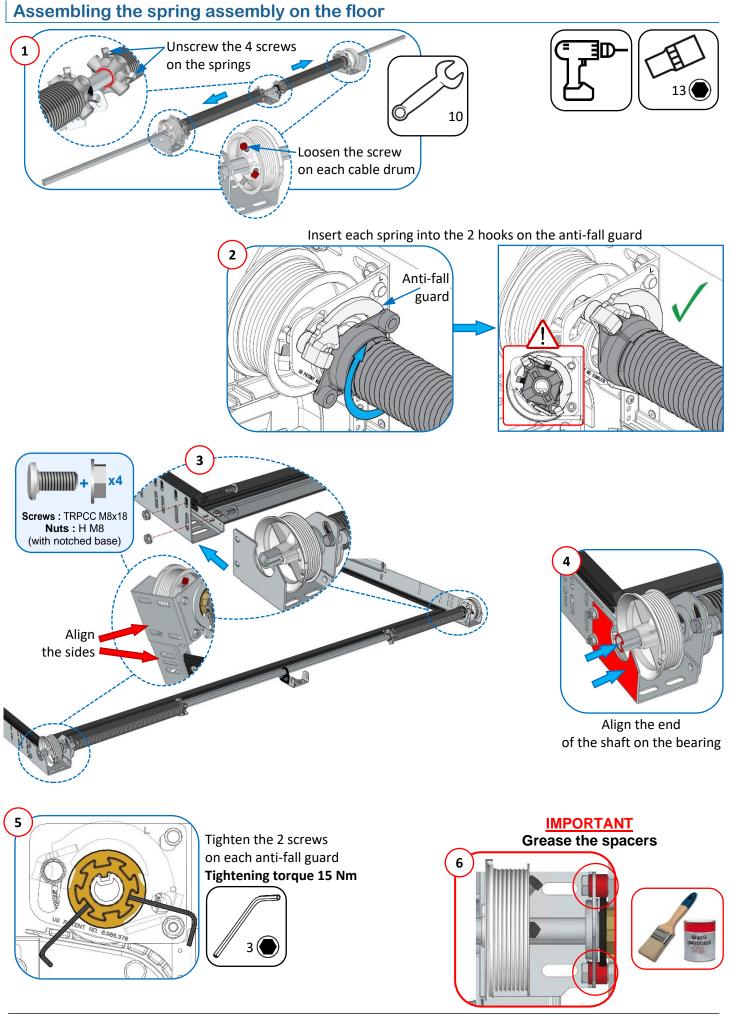
Assembling the fascia



Fixing the fascia to the floor

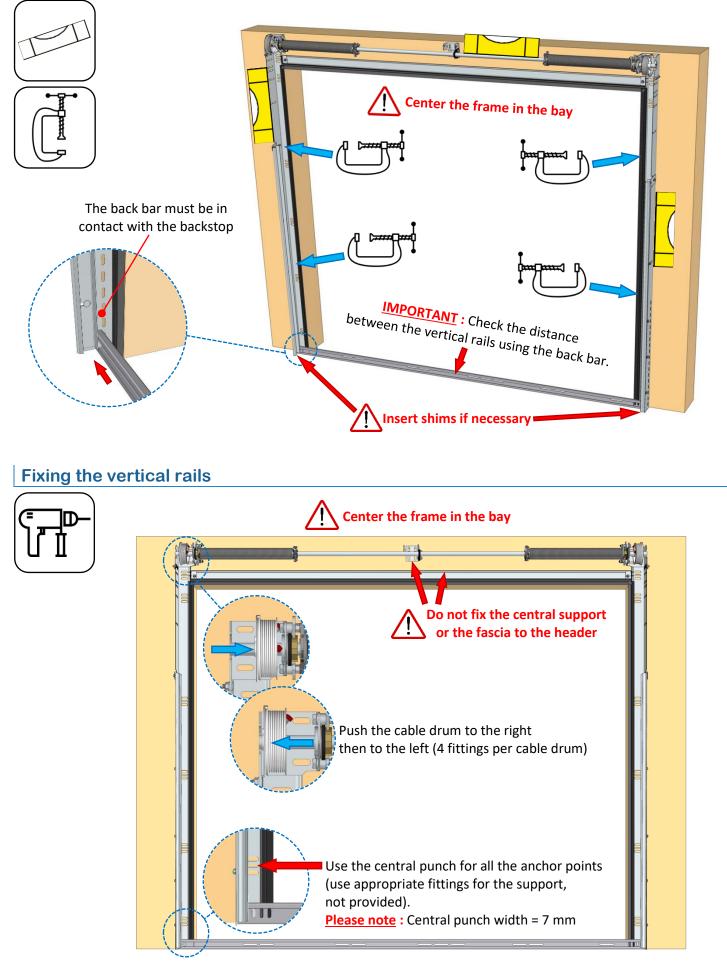


Repeat the process with the other vertical rail.





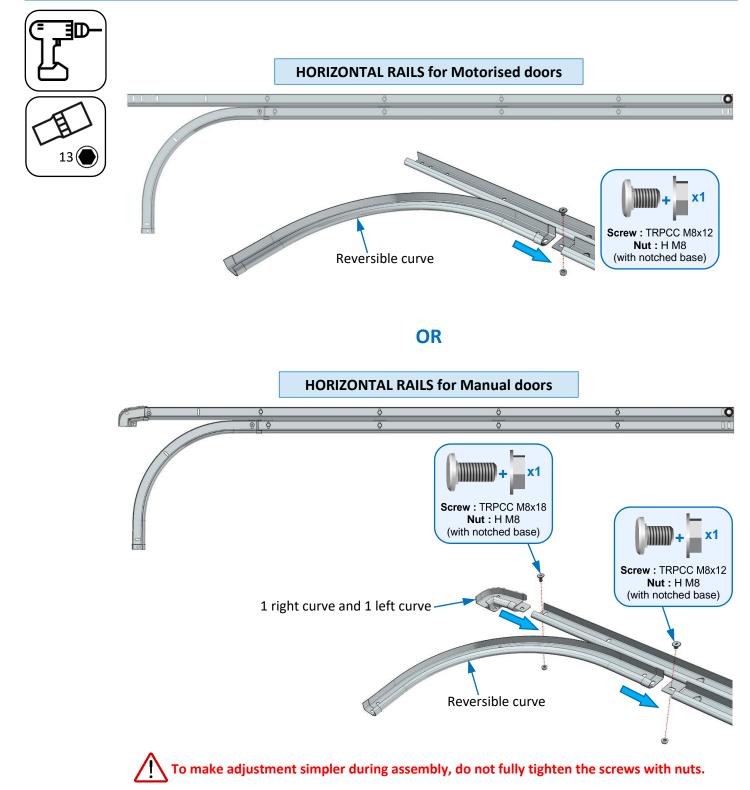
Layout of the frame



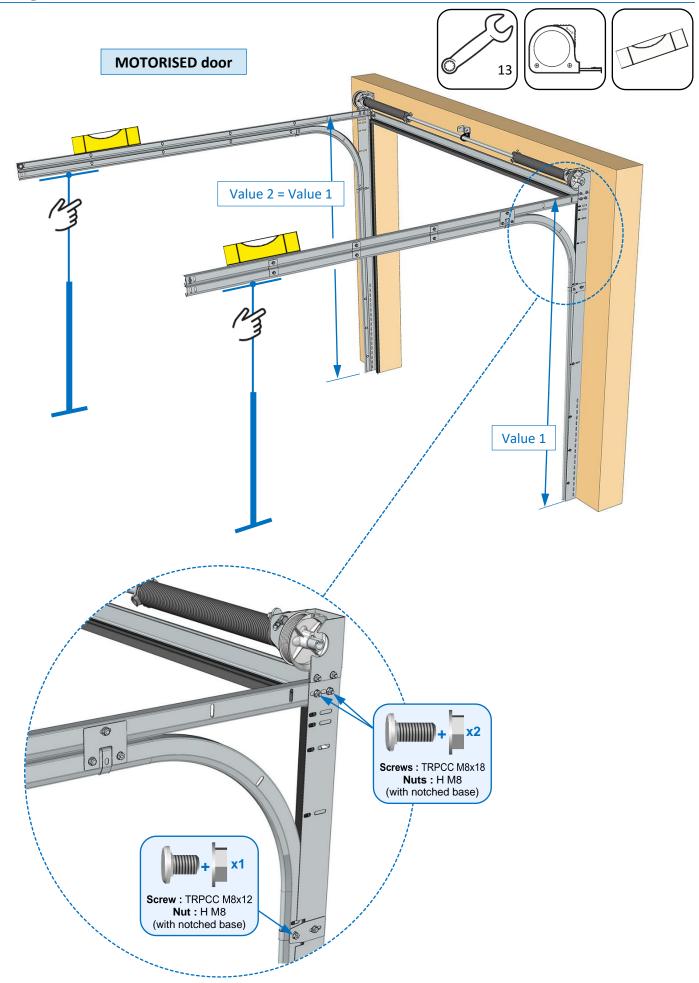
Repeat the process on the opposite side.

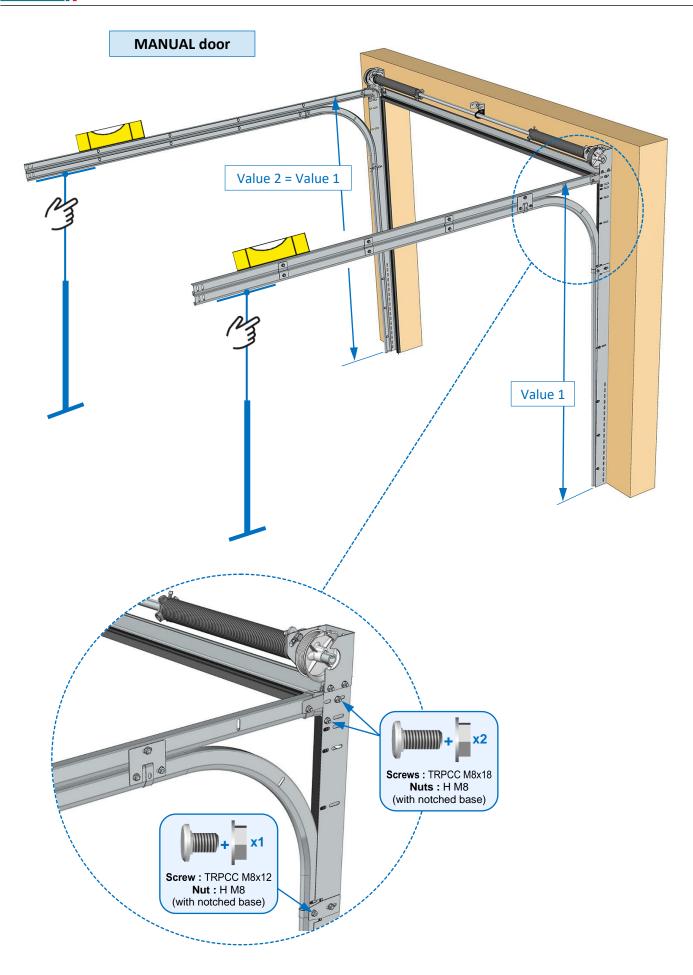
Horizontal rail installation

Assembling the curves

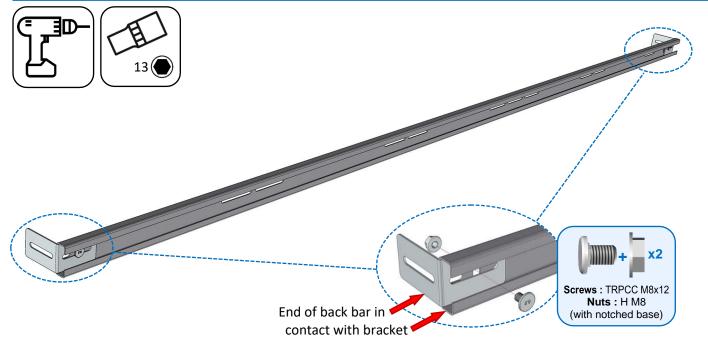


Fixing the horizontal rails

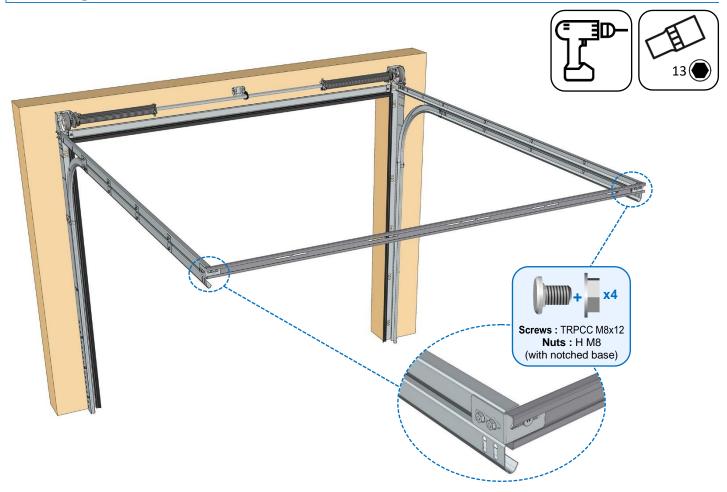




Assembling the back bar brackets

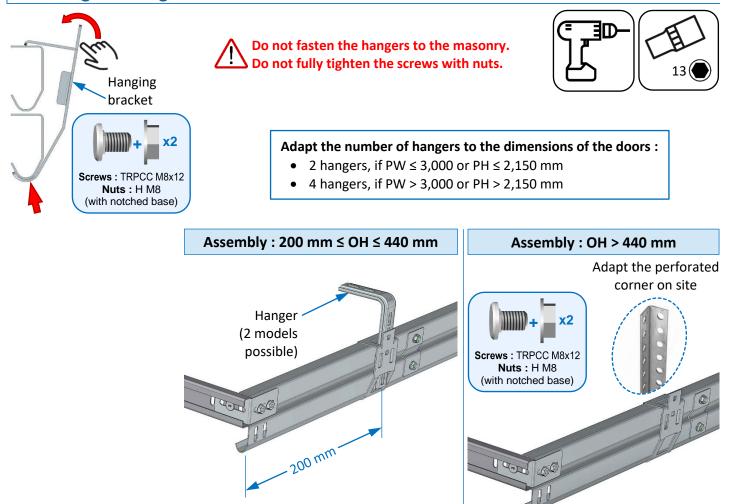


Installing the back bar

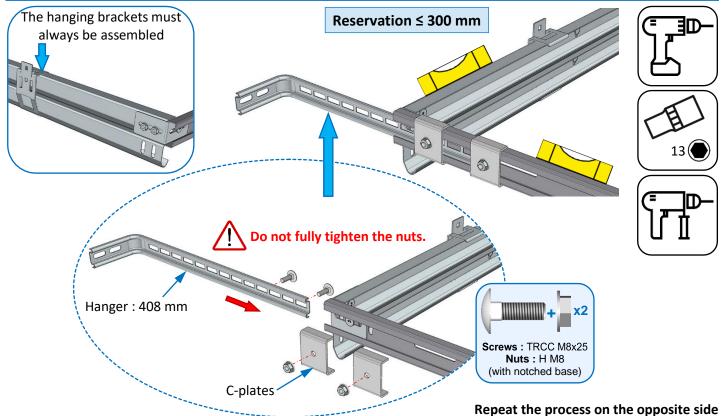


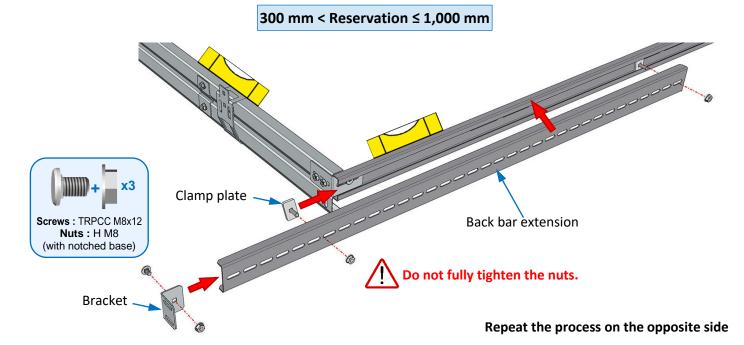


Installing the hangers

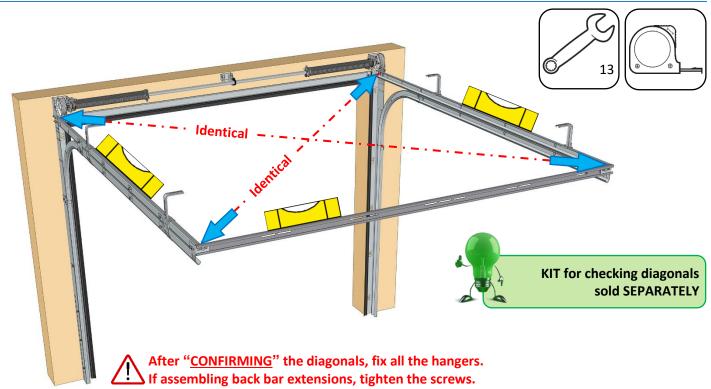


Back bar extension (option)

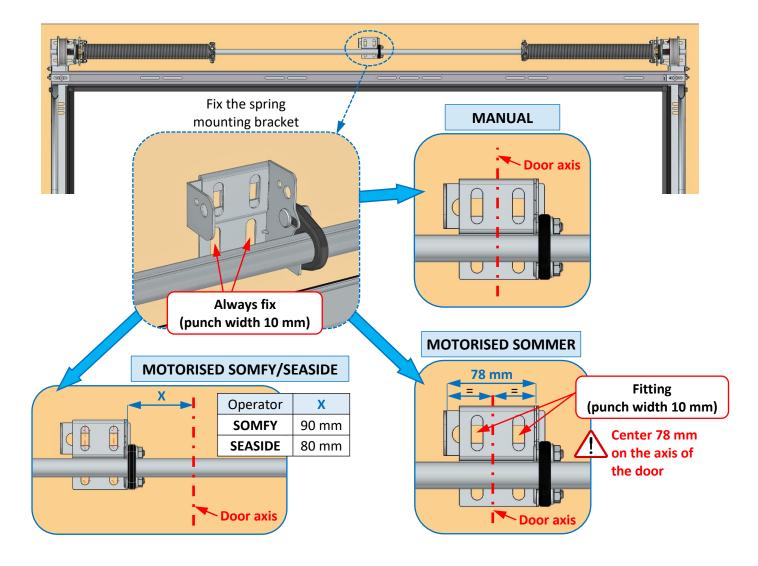




Checking the diagonals

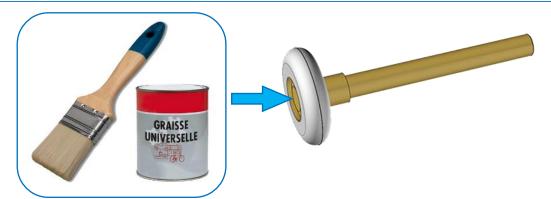


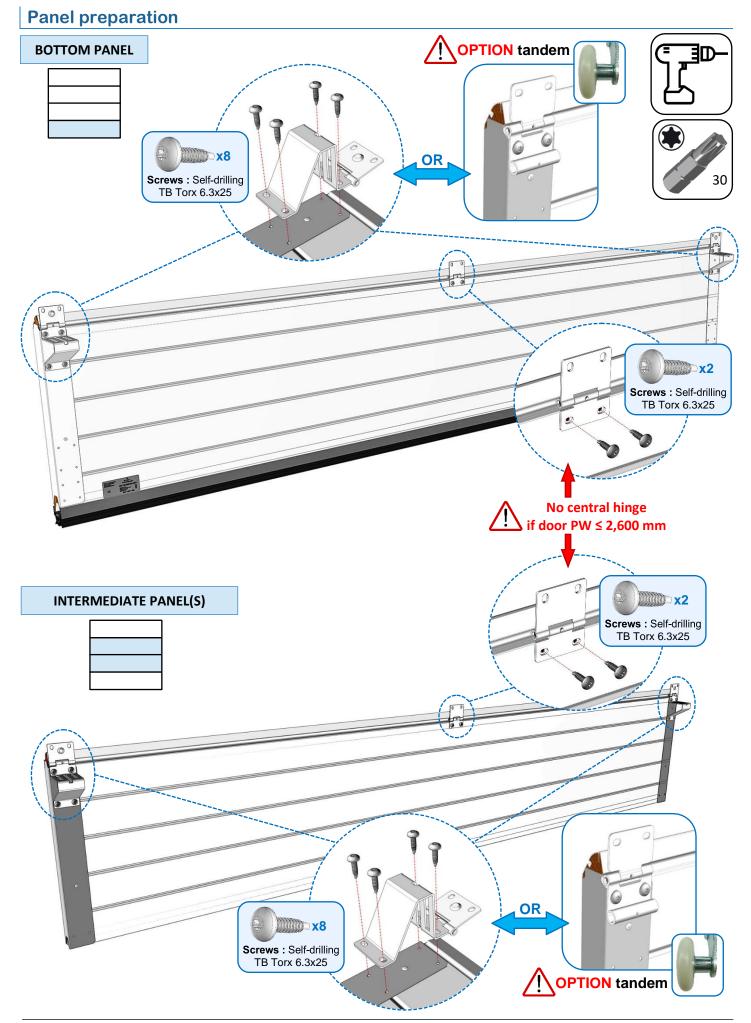
Installing the spring mounting bracket ("operator support" in "motorised door" version)

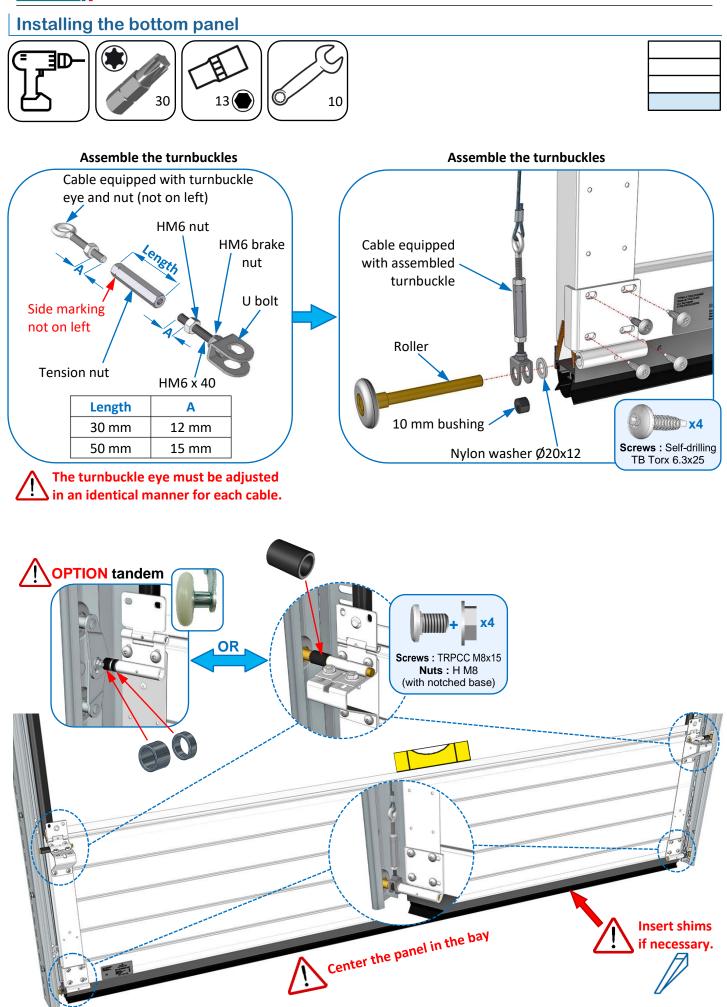


Shutter assembly

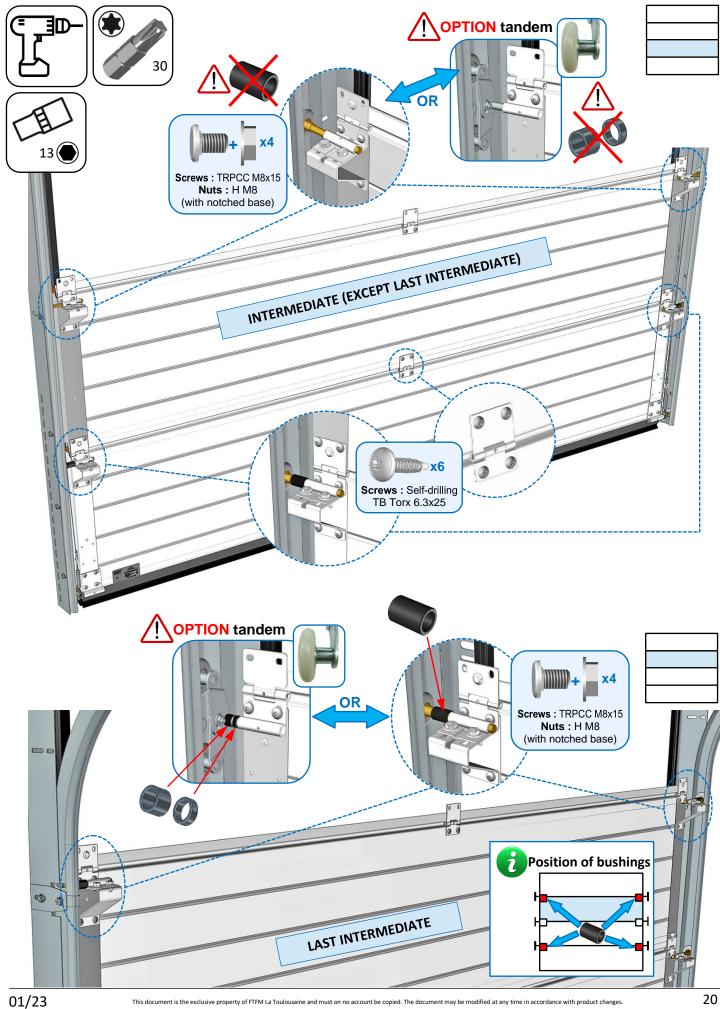
Grease all roller shafts



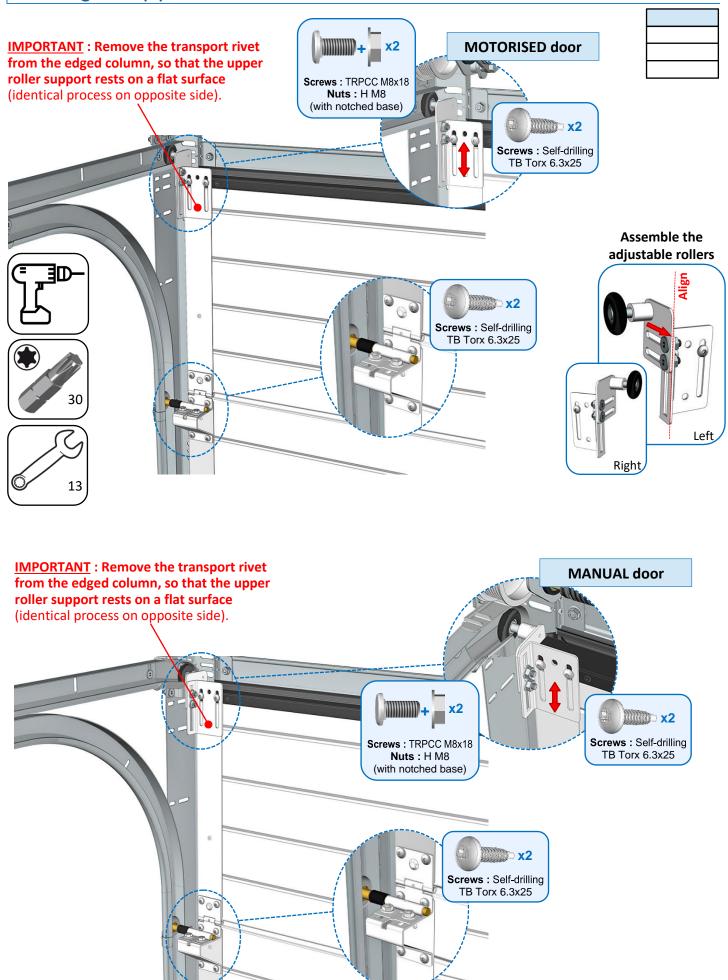




Installing the intermediate panel(s)

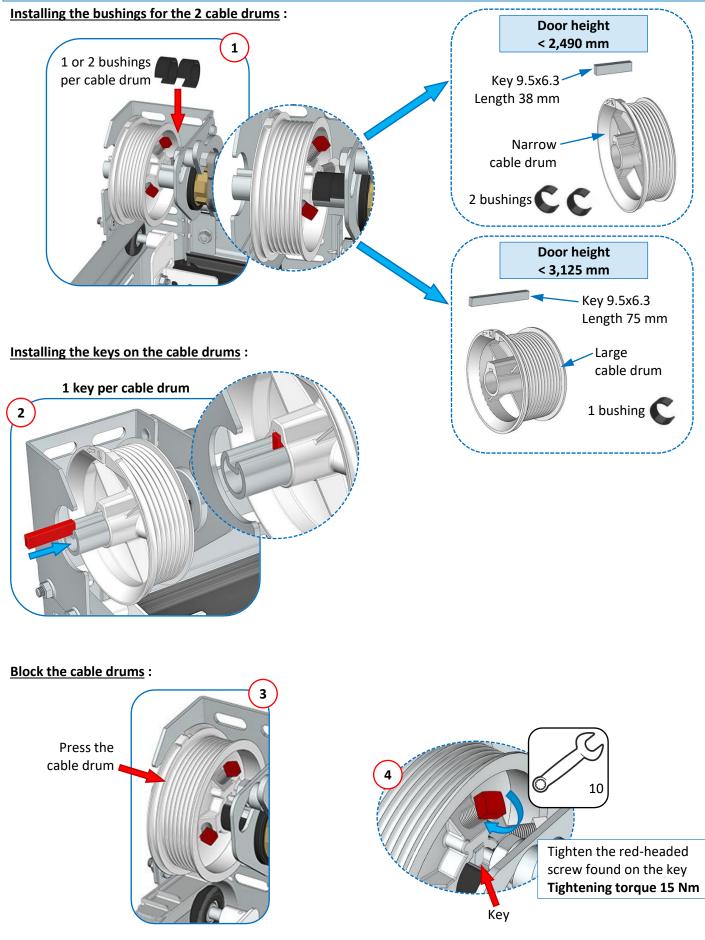


Installing the top panel

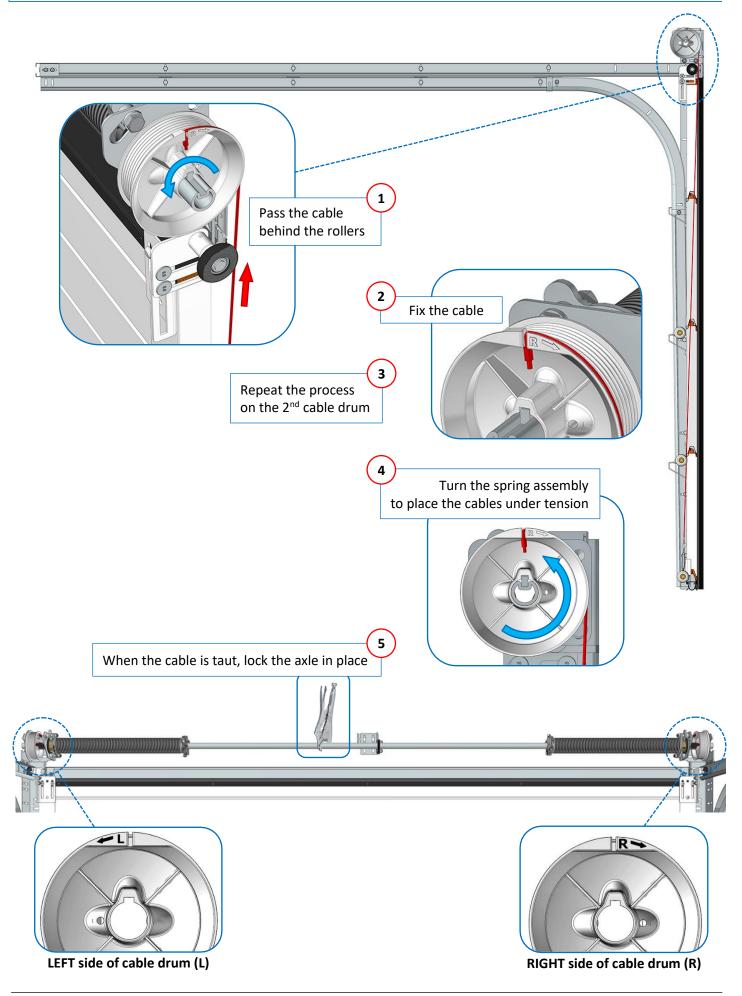


Cable installation

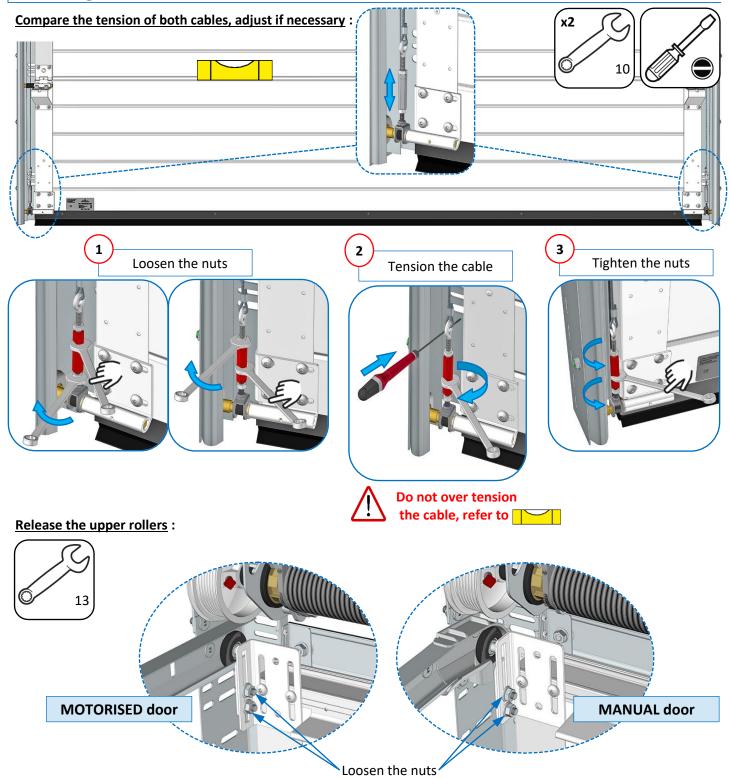
Positioning the cable drums



Routing the cables around the cable drums



Checking the tension of the cables



Remove the shims and lower the shutter :



Spring adjustments

Spring tension

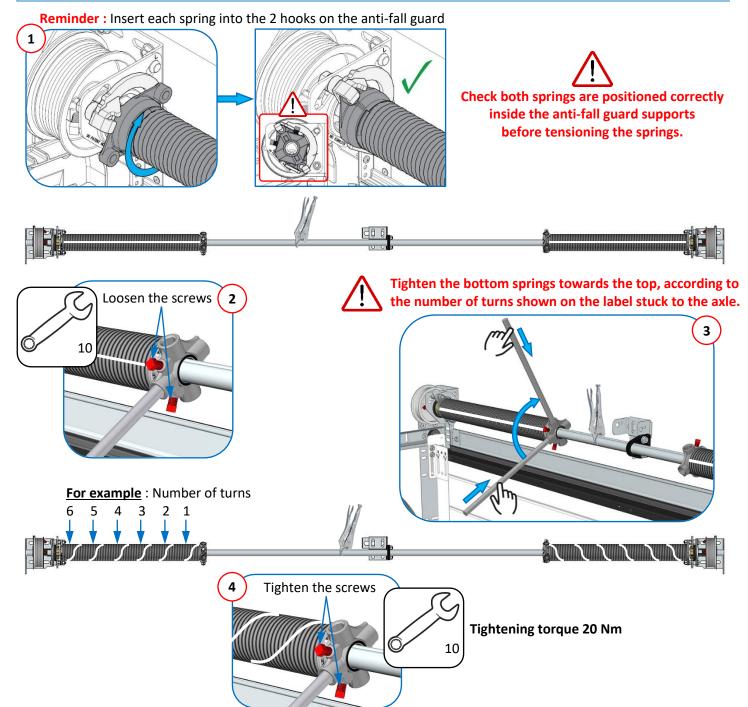
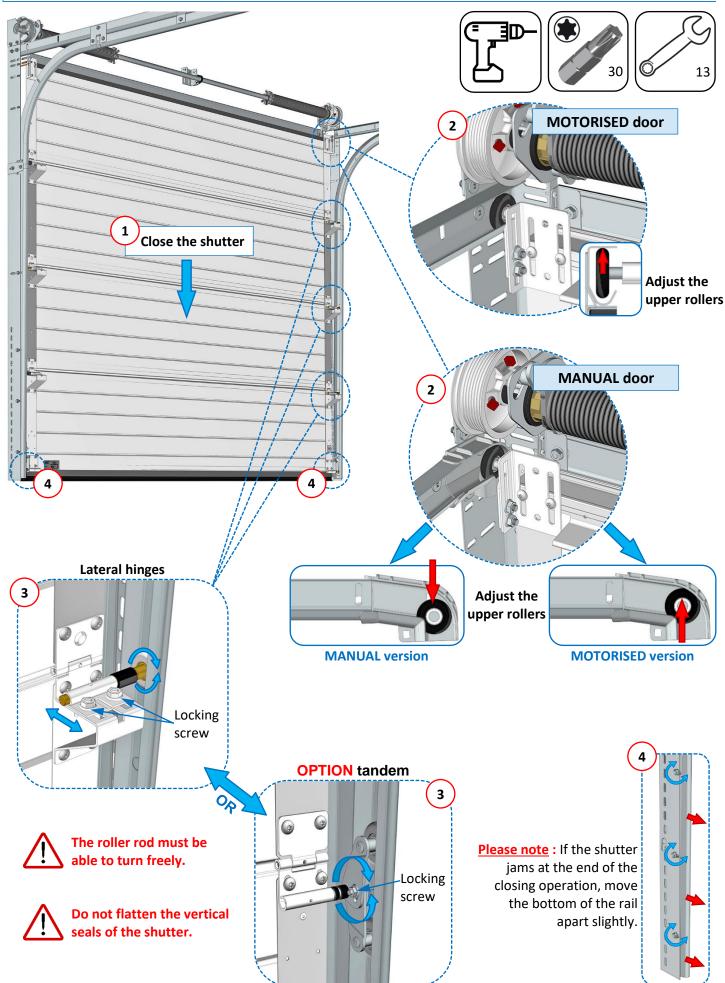


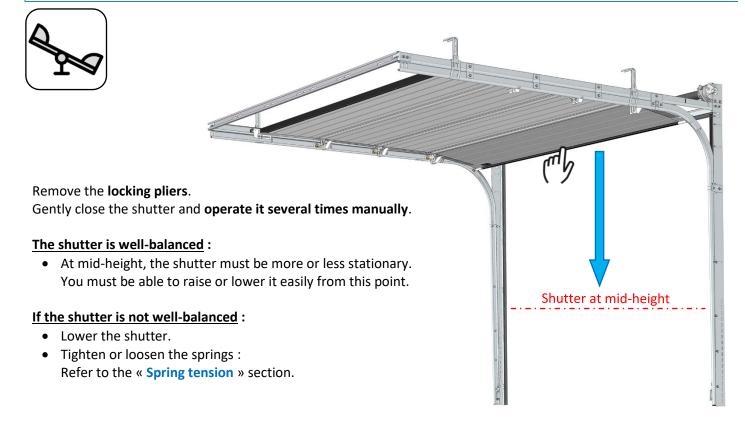
Table for number of spring tension turns

		Number of turns shown on the right bearing
Passage height (mm)	Number of tension turns	
≤ 1,820	6	Adjust the settings if necessary
From 1,821 to 1,998	6.5	
From 1,999 to 2,209	7	
From 2,210 to 2,347	7.5	
From 2,348 to 2,519	8	
From 2,520 to 2,714	8.5	
From 2,715 to 2,885	9	
From 2,886 to 3,000	9.5	

Adjusting the rollers

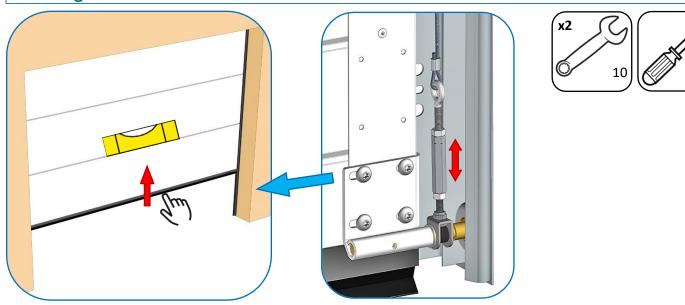


Checking the balance



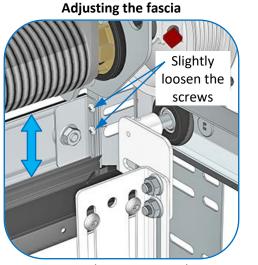
Finishes

Leveling the shutter

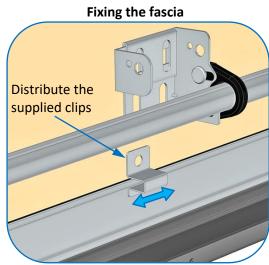


To adjust the tensioner, refer to the « Checking the tension of the cables » section.

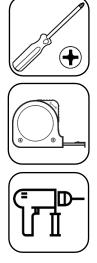
Adjusting and fixing the fascia



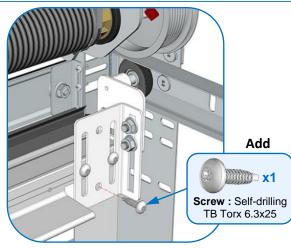
Repeat the process on the opposite side

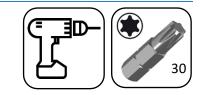


Use appropriate fittings for the support (screws and pins not supplied)



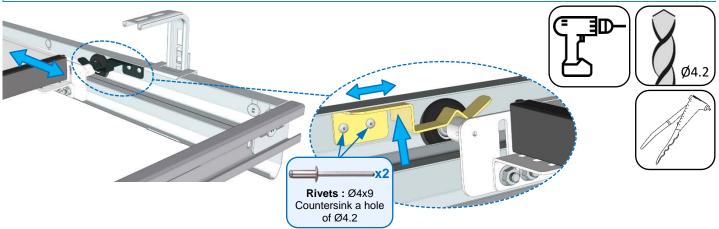
Fixing the upper roller supports



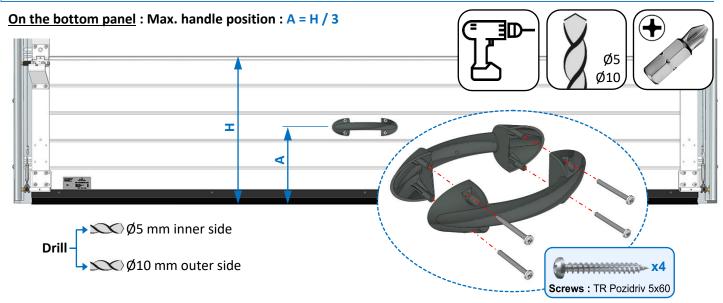


Repeat the process on the opposite side.

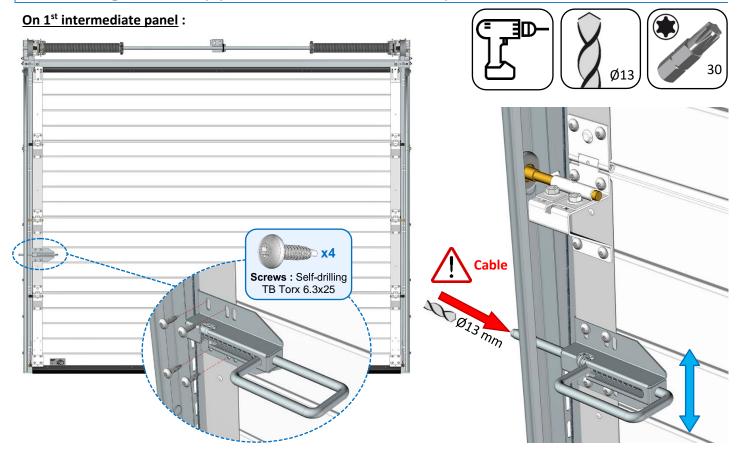
Fixing the end position clips (manual door)



Assembling the handle

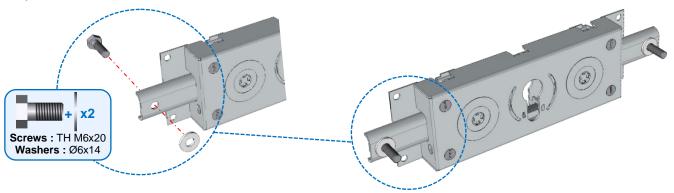


Assembling the latch (optional on motorised doors)

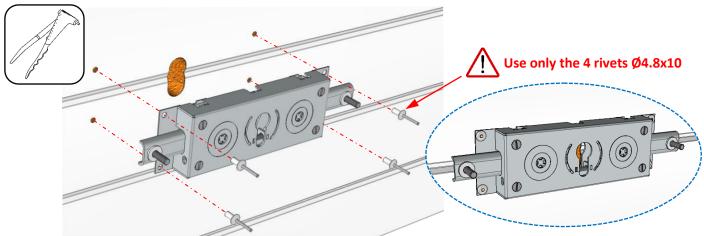


Installing the lock (optional on motorised and manual doors)

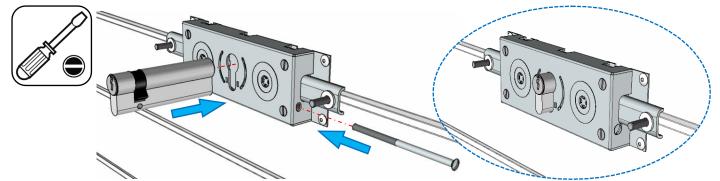
Prepare the lock :



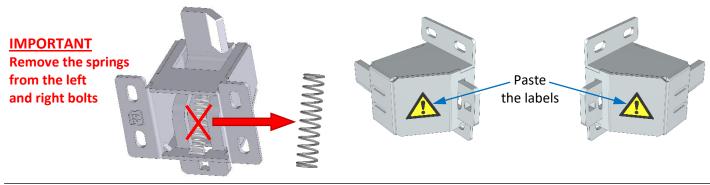
Fixing the lock :



Assembling the cylinder :



Preparing the latches (left and right) :



Assembling the latches (left and right) :

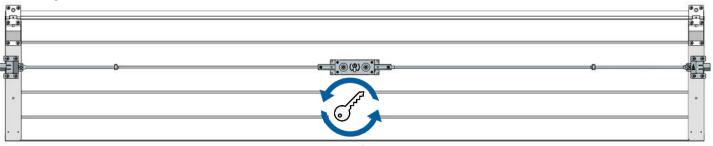
0 胊 x8 Screws : Self-drilling TB Torx 6.3x25 30 6 6 mm 0..... Assembling the rods : Close the lock 6 0 C 10 3(Nh HM6 brake nut HM6 brake nut Adjust the rod at the oblong start position (**9**) (٢ Tighten the grub screw slightly Do not ļ tighten the nut

Repeat the procedure for the second rod.

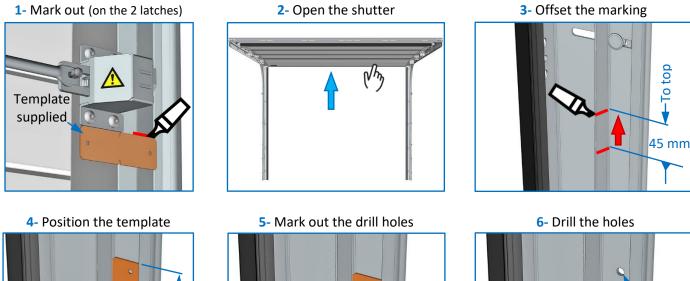


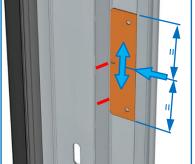
Checking the lock :

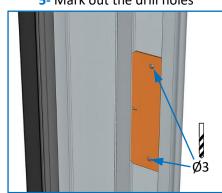
Positioning the strike plates :

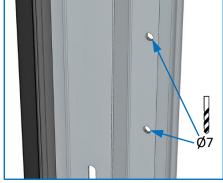


If necessary, return to the « Assembling the rods » section.

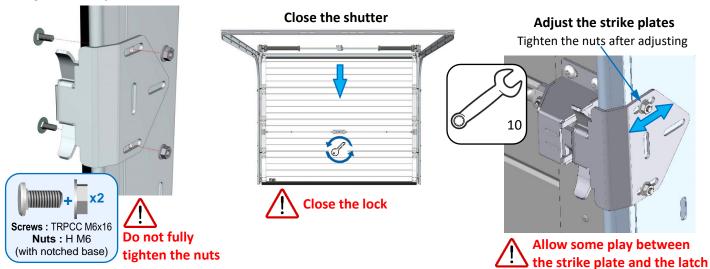


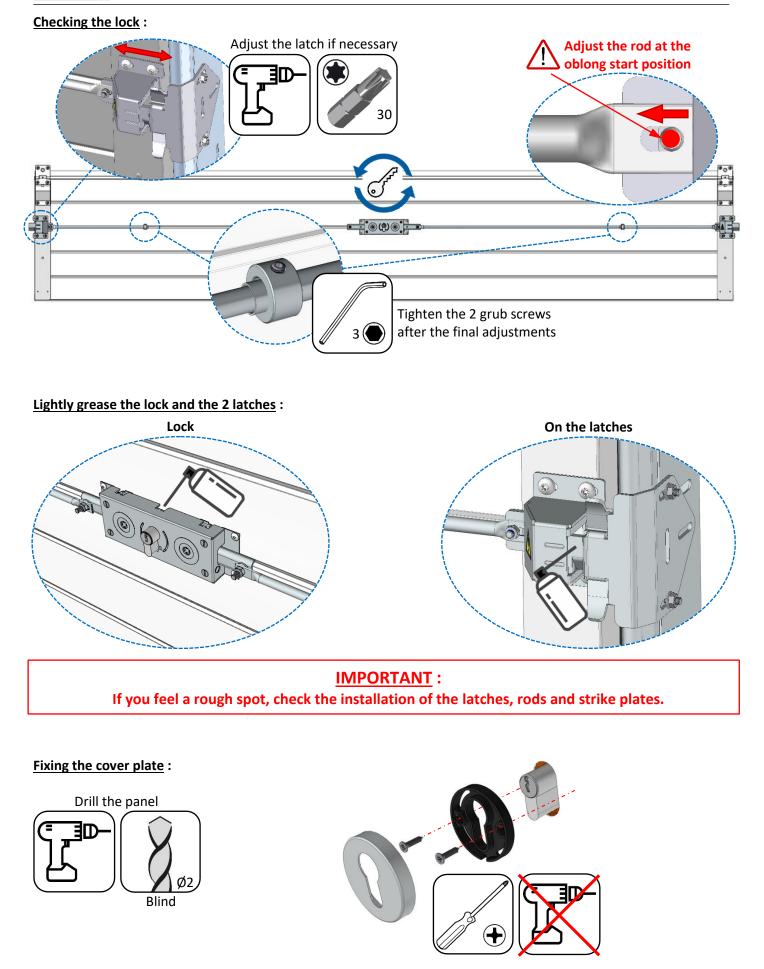




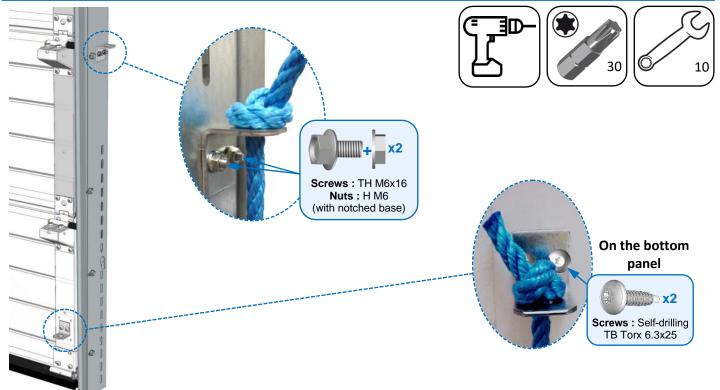


Fixing the strike plates :

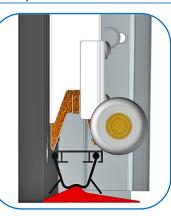




Installing the pull cord (if manual door)



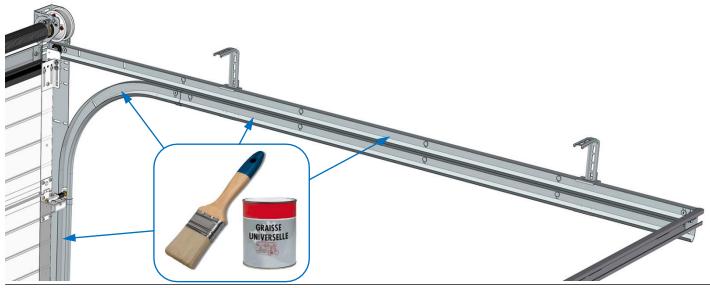
Weather seal (optional)



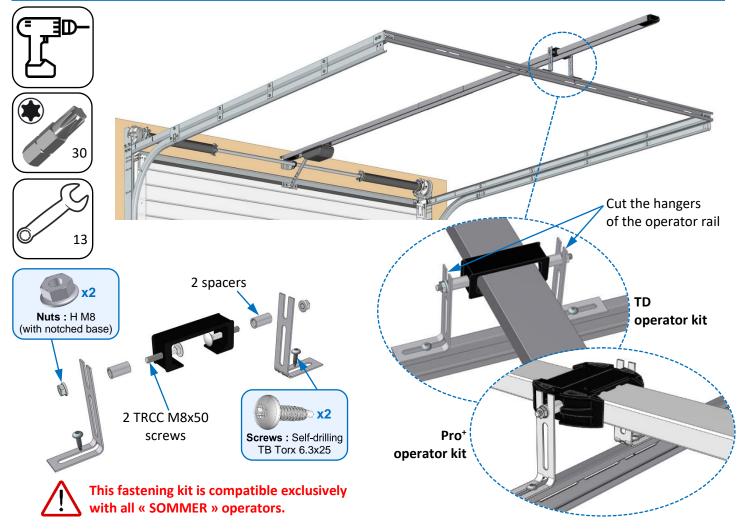
Weather seal section to be glued to the floor between the rails.

Refer to manual : Weather seal.

Greasing the bottom of the rails



Fixing the « SOMMER » operator to the back bar



In case of incorrect manual functioning

- Check that the vertical rails are plumb and that there is a 56 mm gap between the rails and the edge of the panel.
- Check that the bottoms of the vertical rails are at the same horizontal level.
- Check that the horizontal rails are aligned in relation to the vertical rails and that there is a **56 mm** gap between the rails and the edge of the panel.
- Check that the horizontal rails are perfectly aligned with each other, and that they are perpendicular to the header and level.
- With the door raised to roughly 1.00 m height, check that the shutter is perfectly level.
- Check that the lateral seals have not been compressed and that the sealing of the shutter is even.

IMPORTANT:

If the shutter is incorrectly adjusted and is flattened too tightly against the lateral seals, the door will not function correctly.

 Adjust the compensation setting by 1/4 turn on the springs. This will enable correct manual operation of the shutter.

Please note :

Difference in tolerated tension between the springs = 1/2 turn. After being operated several hundreds of times, it may be necessary to retighten the springs slightly.

If one or more of the anti-fall guards is blocked, contact a trained installer.