

Manual No. 7033

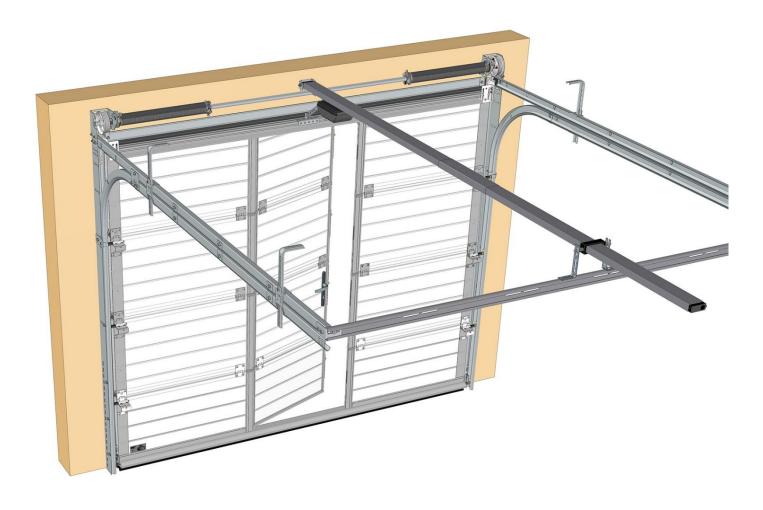
04/25

INSTALLATION

Residential garage doors Manual or Motorised



RT200 with Wicket door with reduced 30 mm or standard 60 mm threshold



(Document reserved for installers)

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Installation instructions



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.

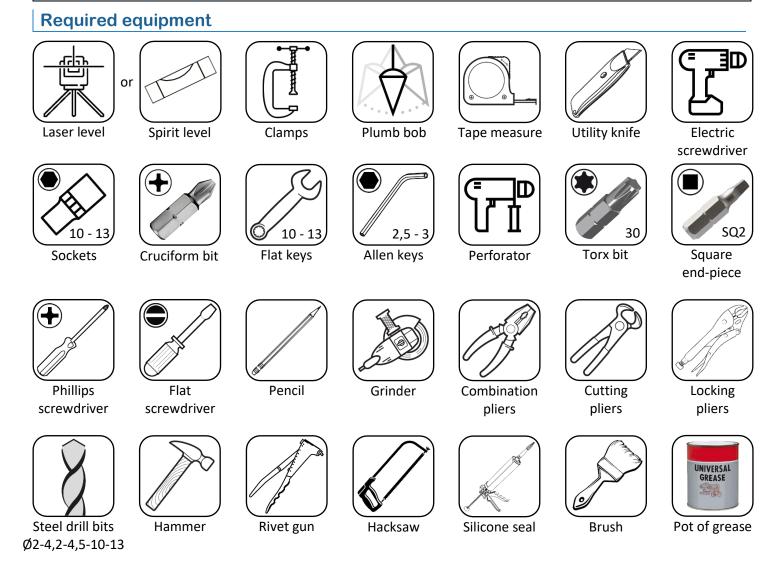
- Before beginning the assembly, read this manual carefully.
- This closure must be installed by a professional technician.
- All the parts delivered are specifically sized for this product. Adding and/or using other parts may be detrimental to safety and may affect the product's warranty.
- Any modification 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. Indeed, non-authorized persons such as children, 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

Panels mounting screws = 12 Nm

Min. working load per attachment point : Compensating shaft = 300 daN Rails = 40 daN

Before installation





Ladder





Kits for MOTORISED doors





Kits for MANUAL doors





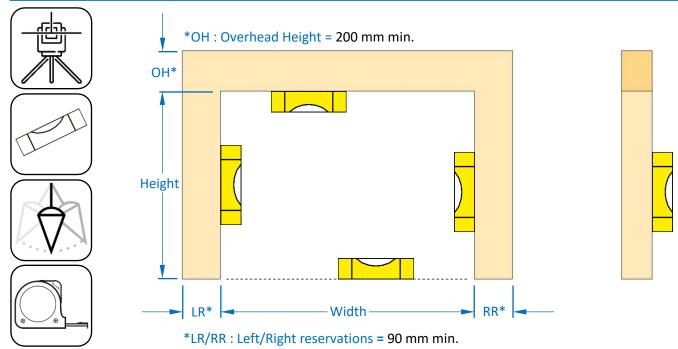
Wicket door parts



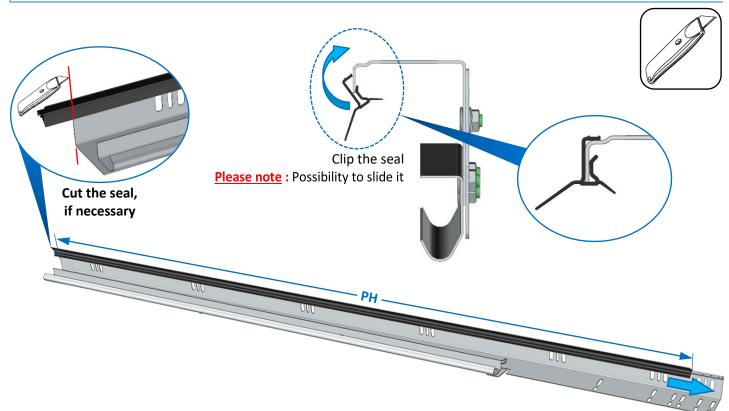
x1

Vertical rail installation

Checking the bay

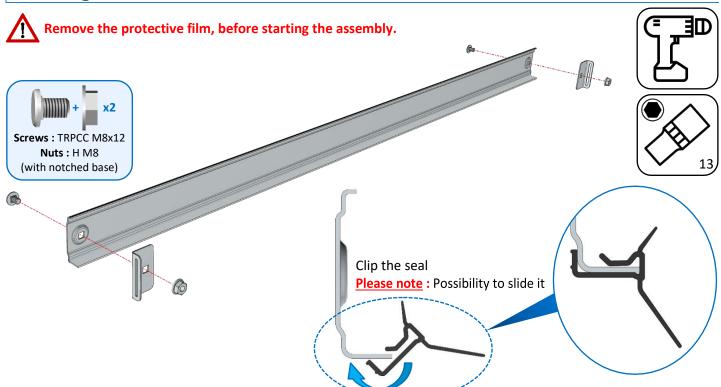


Mounting of vertical seals

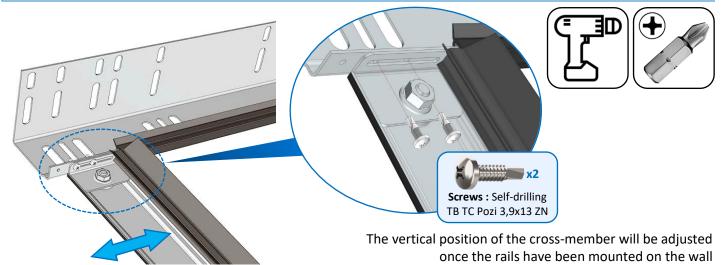






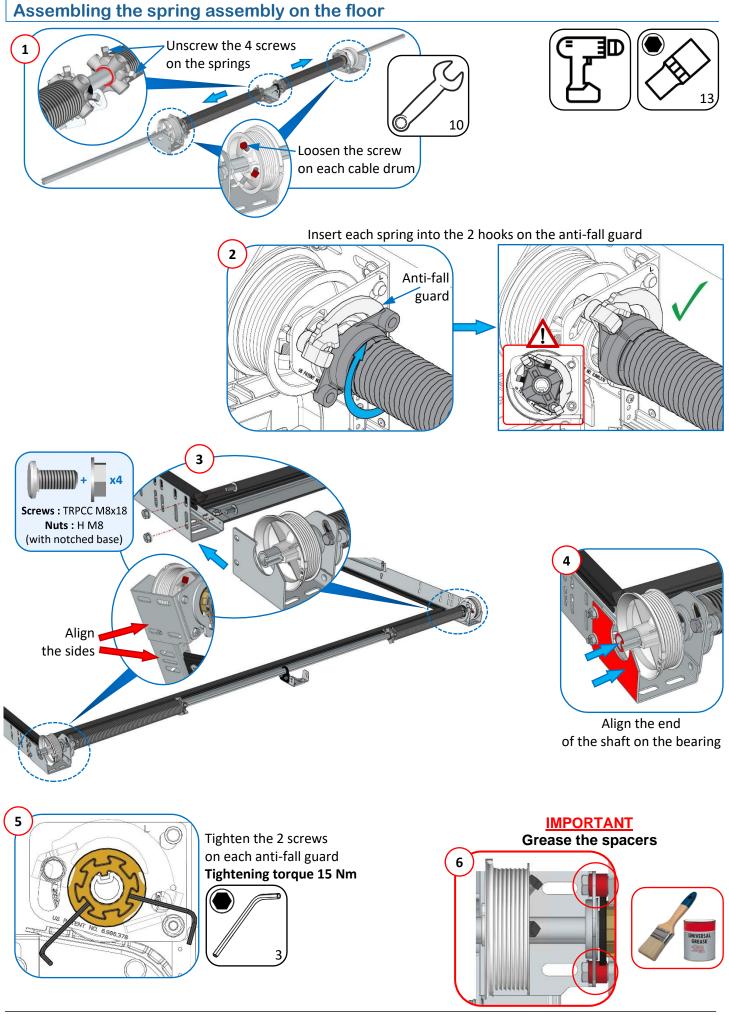


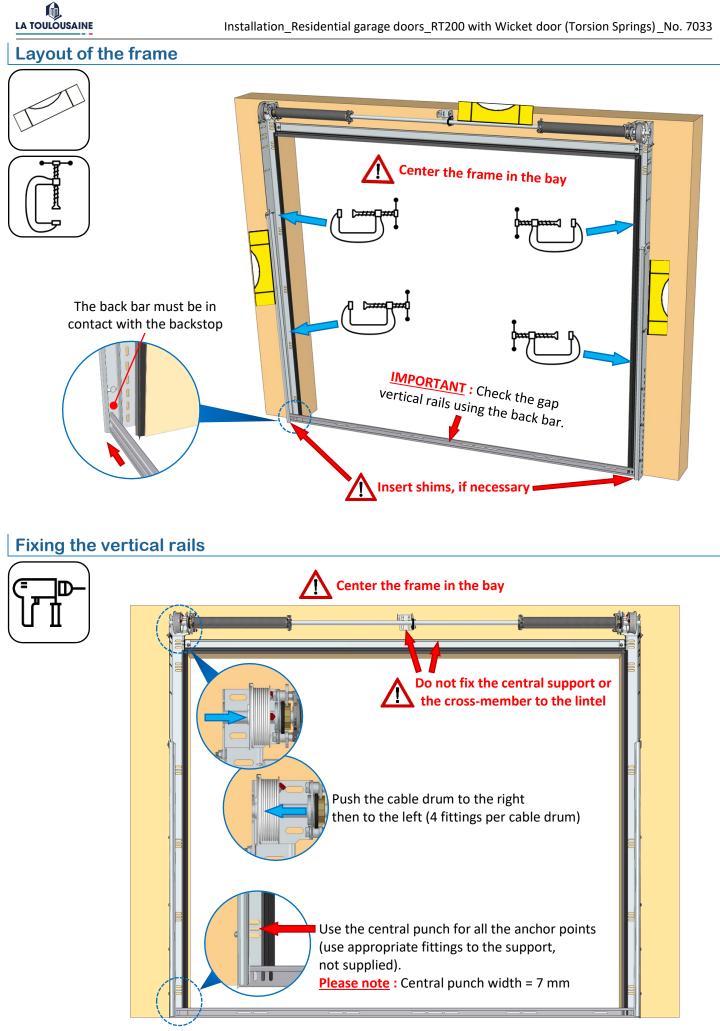
Fixing of the cross-member to the floor



Repeat the process with the other vertical rail



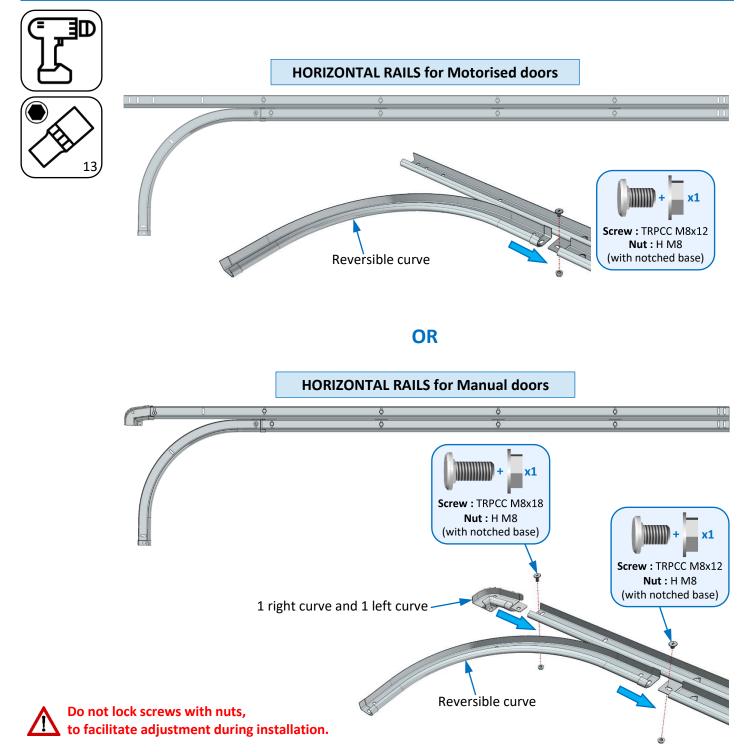




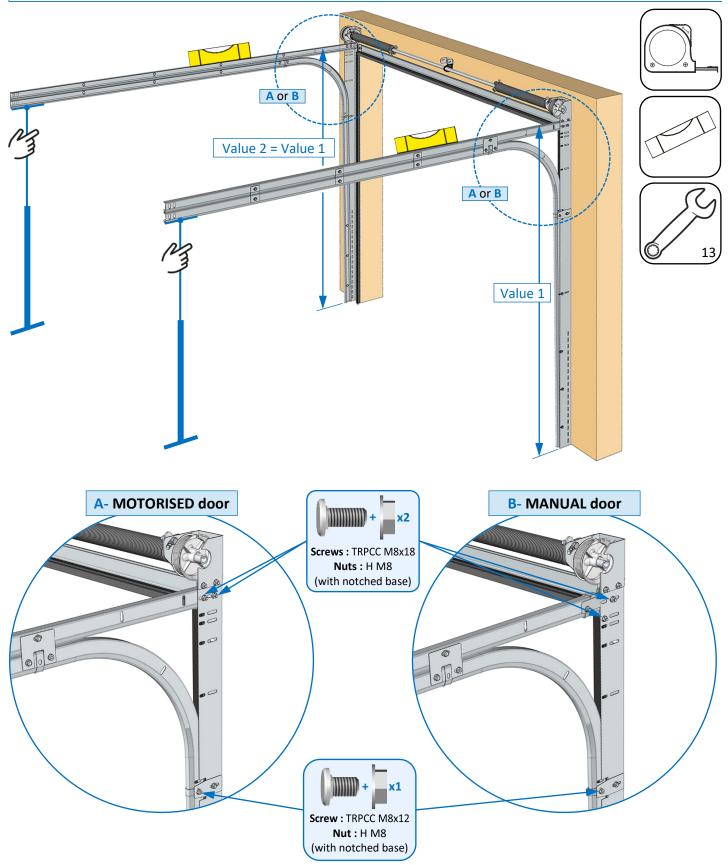
Repeat the process on the opposite side

Horizontal rail installation

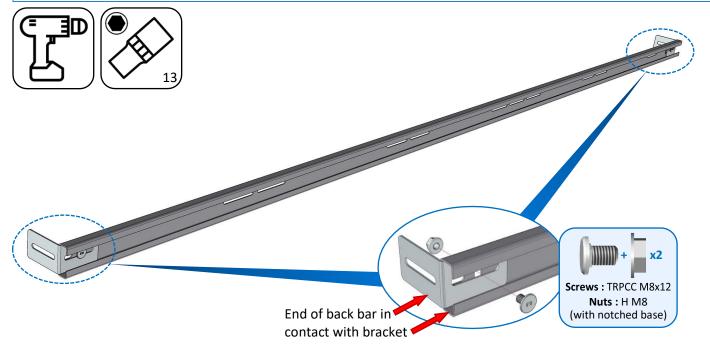
Assembling of curves



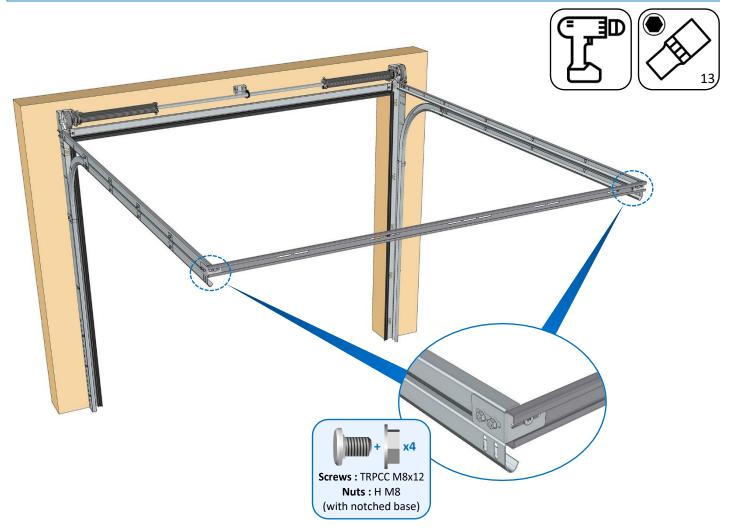


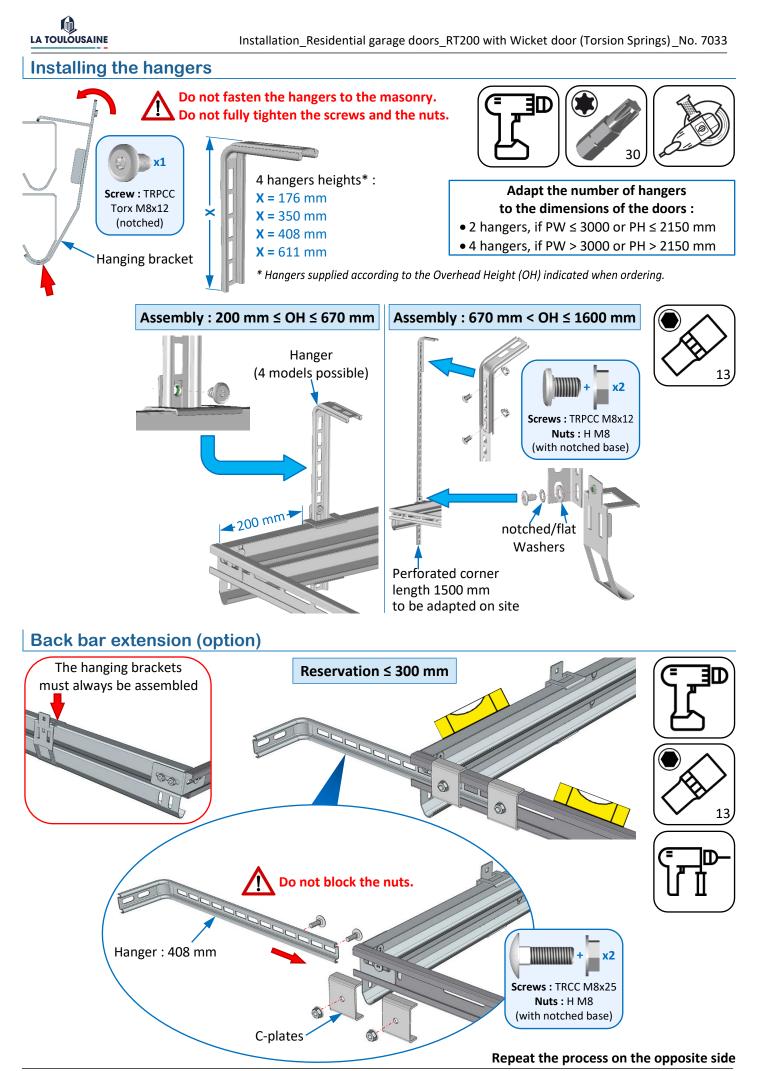


Assembling the back bar brackets

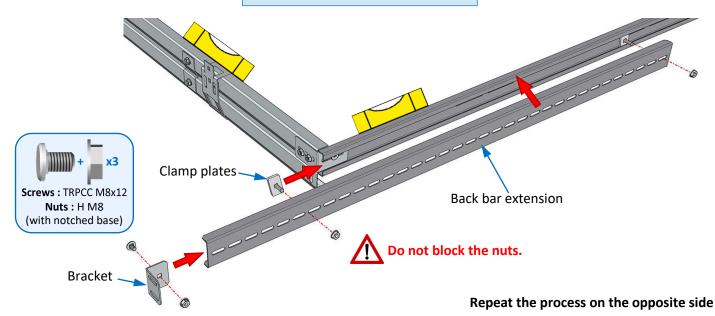


Installing the back bar

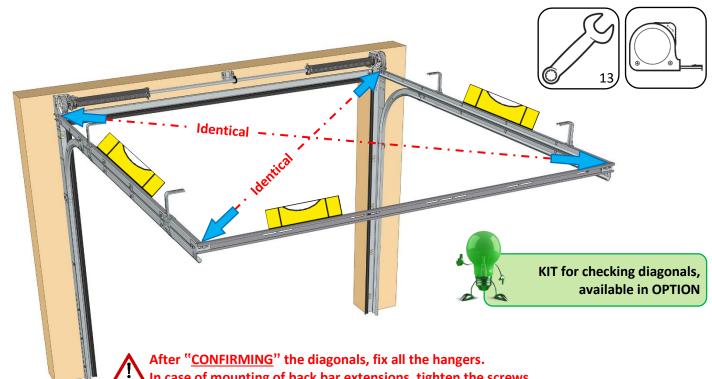




300 mm < Reservation ≤ 1000 mm

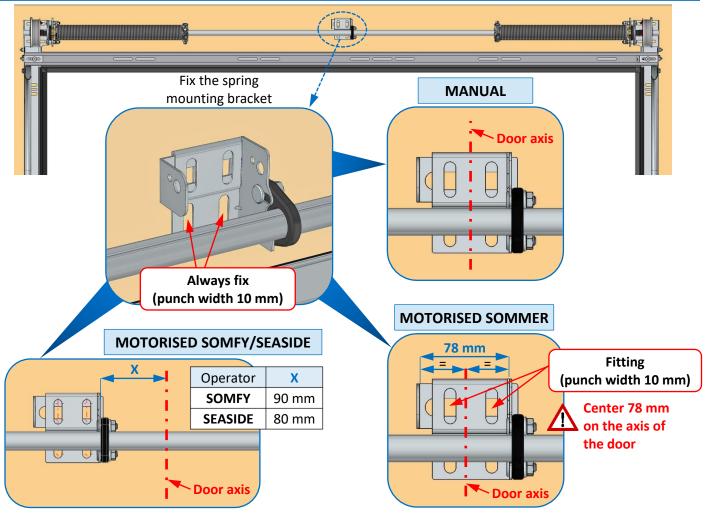


Checking the diagonals



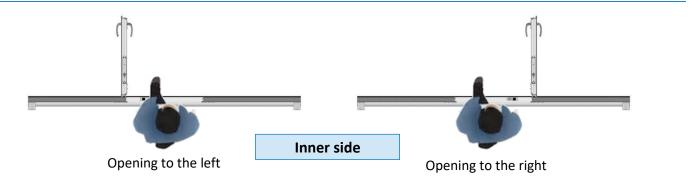
In case of mounting of back bar extensions, tighten the screws.

Installing the spring mounting bracket (operator support)

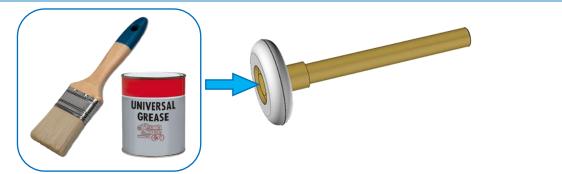


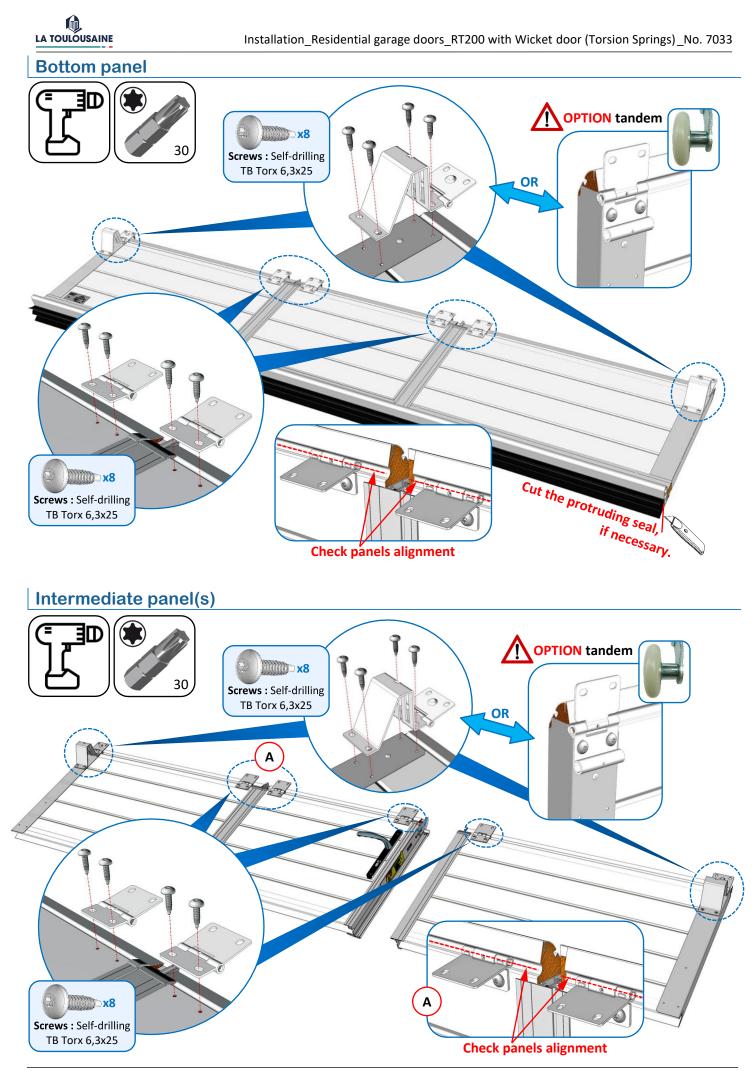
Panels preparation

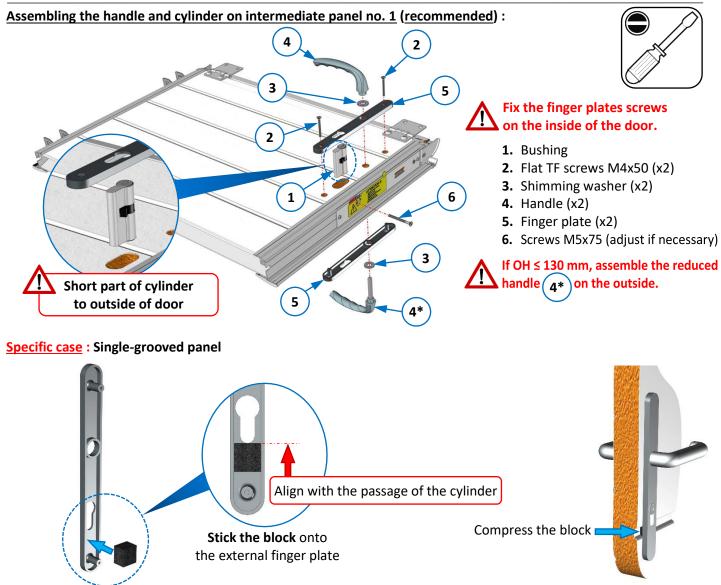
Identifying the opening direction



Grease all roller shafts

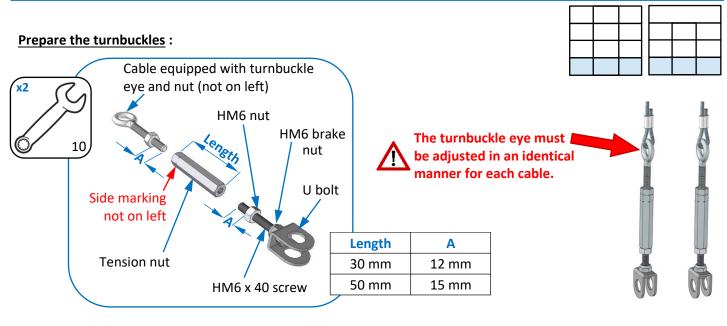




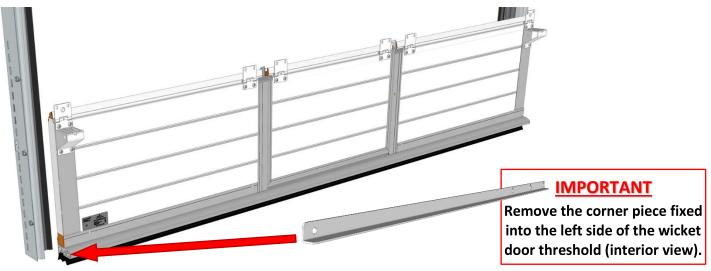


Mounting of the panels

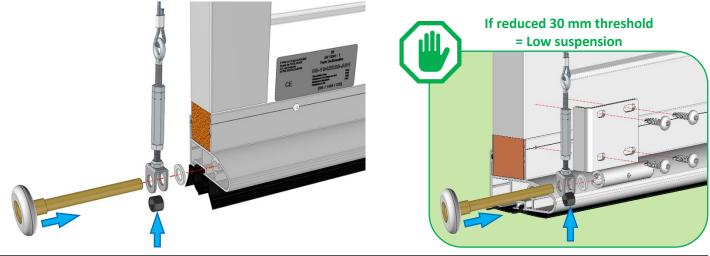
Bottom panel installation illustrated with standard 60 mm threshold Specific informations, if reduced 30 mm threshold



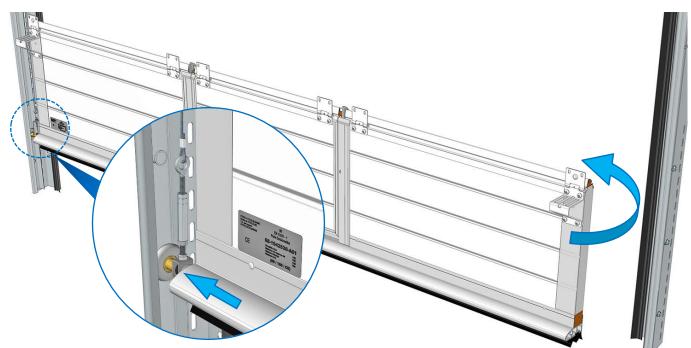
Position the panel in front of the rails :



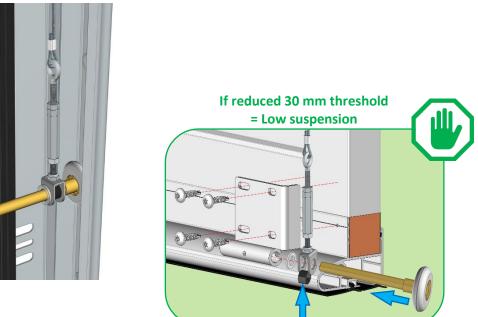
Insert the « cable hook » and « roller » in the LEFT side of the threshold :



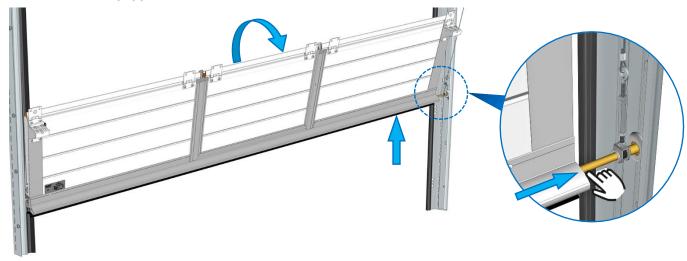
Insert the roller « equipped with the tensioner » in the LEFT vertical rail :



Insert the « roller » and « assembled tensioner » in the RIGHT vertical rail :

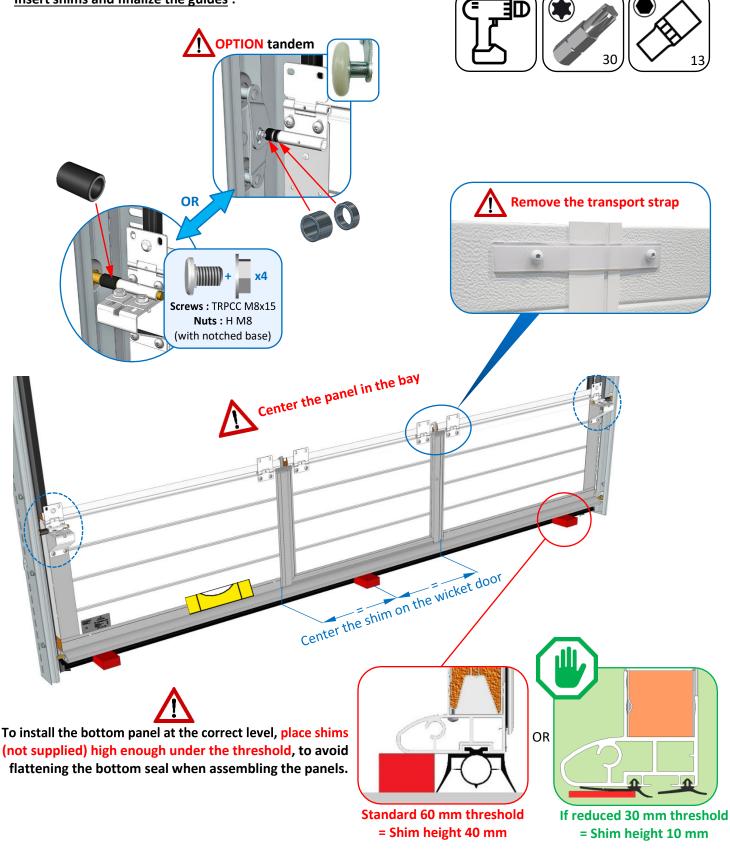


Insert the roller « equipped with the tensioner » in the threshold :

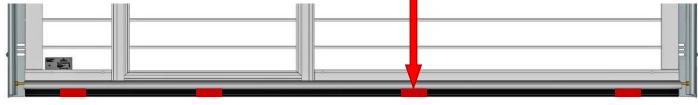


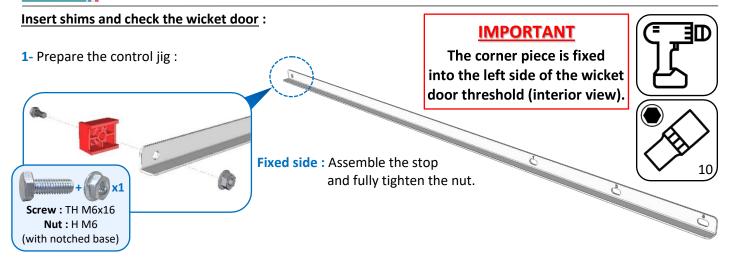


Insert shims and finalize the guides :



<u>Please note</u> : If the wicket door is off center, add 1 shim under the longest side.



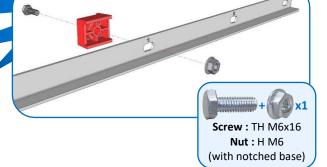


2- Position the jig on the threshold of the wicket door :

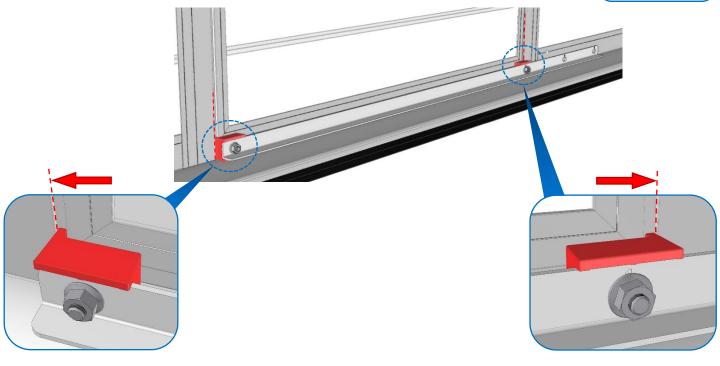
Mobile side :

Position the stop on the corner piece according to the wicket door width ; assemble it and fully tighten the nut.

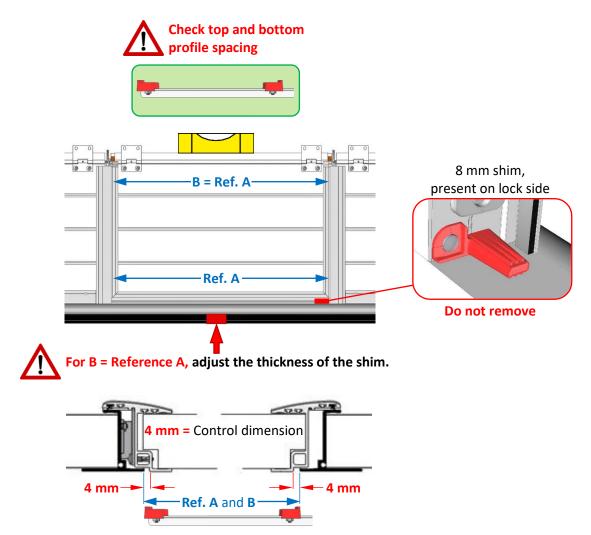
Wicket door width	Position of the stop
L (659 mm)	1
XL (789 mm)	2
XXL (900 mm)	3

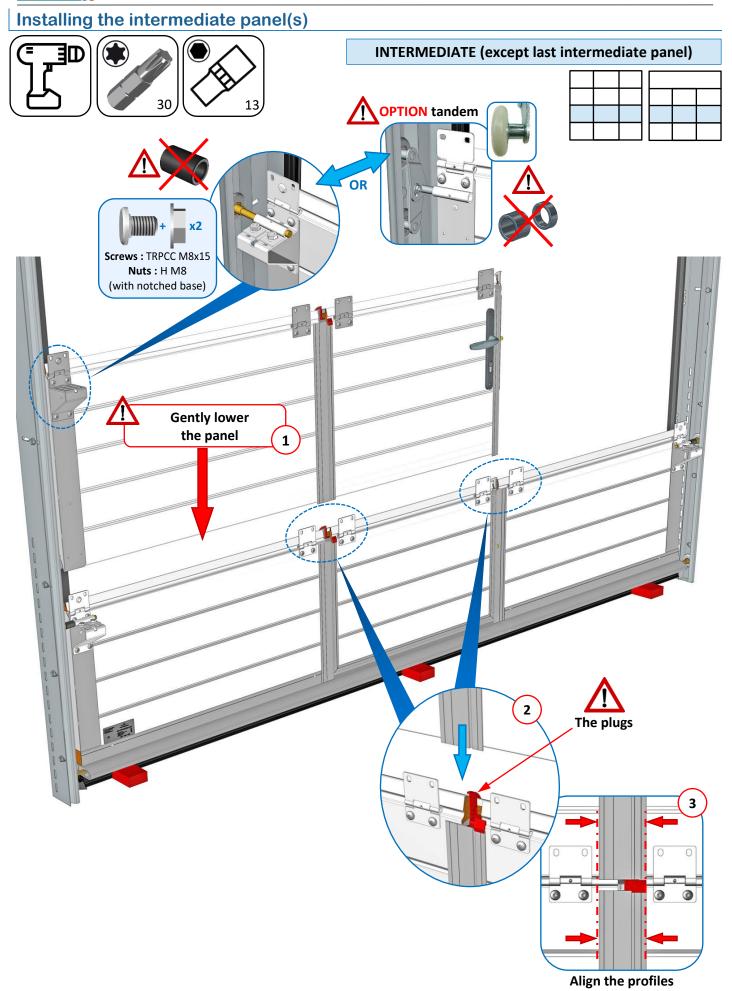


<u>Please note</u> : The stops must but up against the frame :



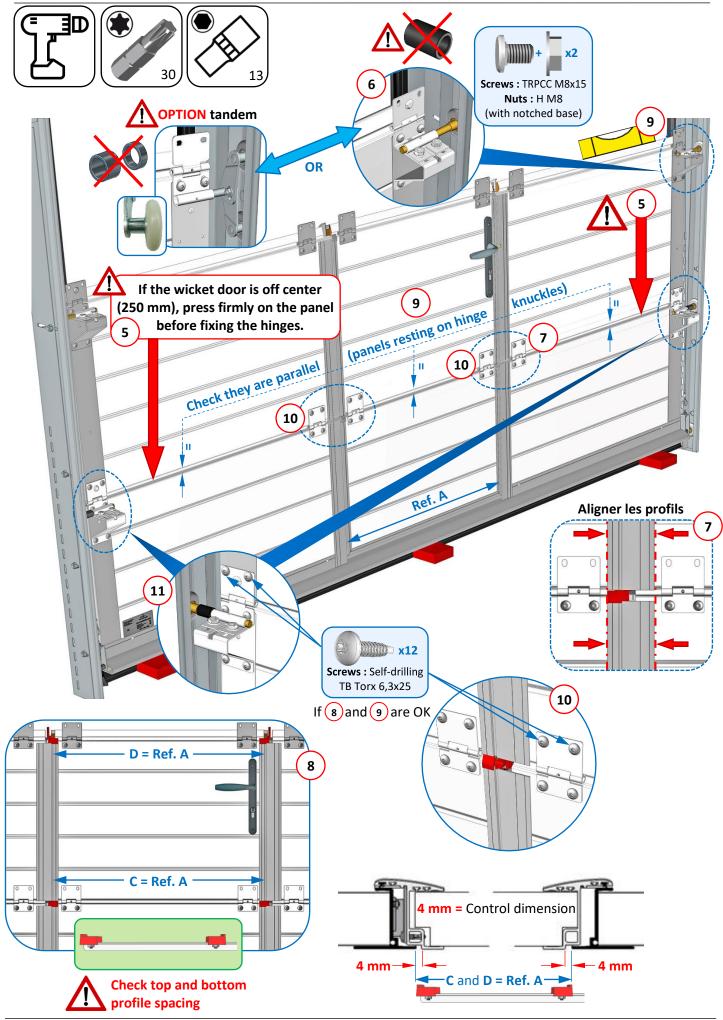
3- Use the jig to check the distance between the frames :

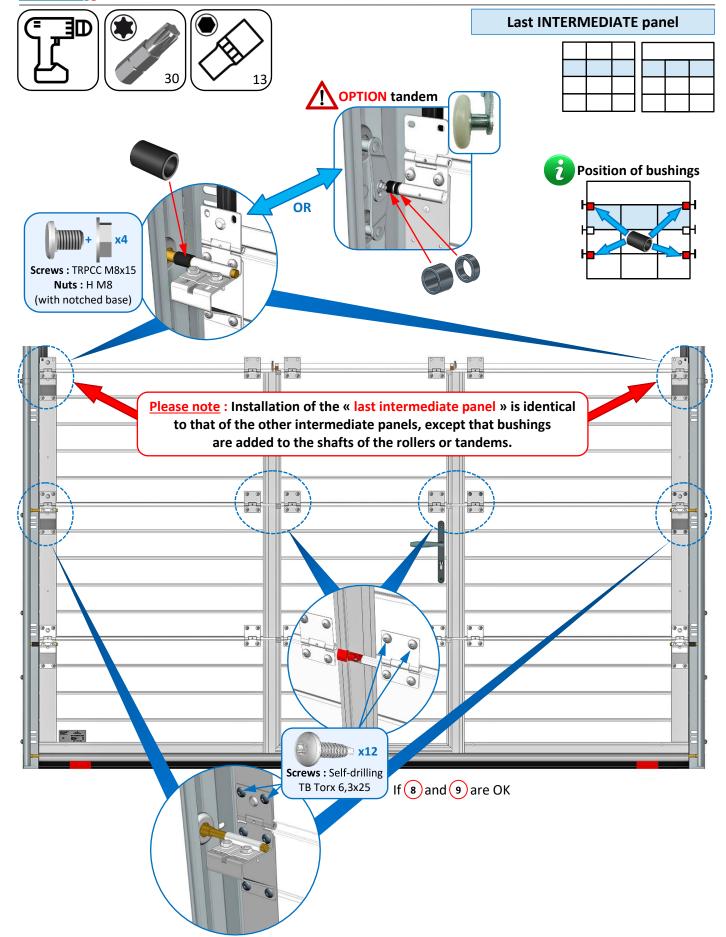


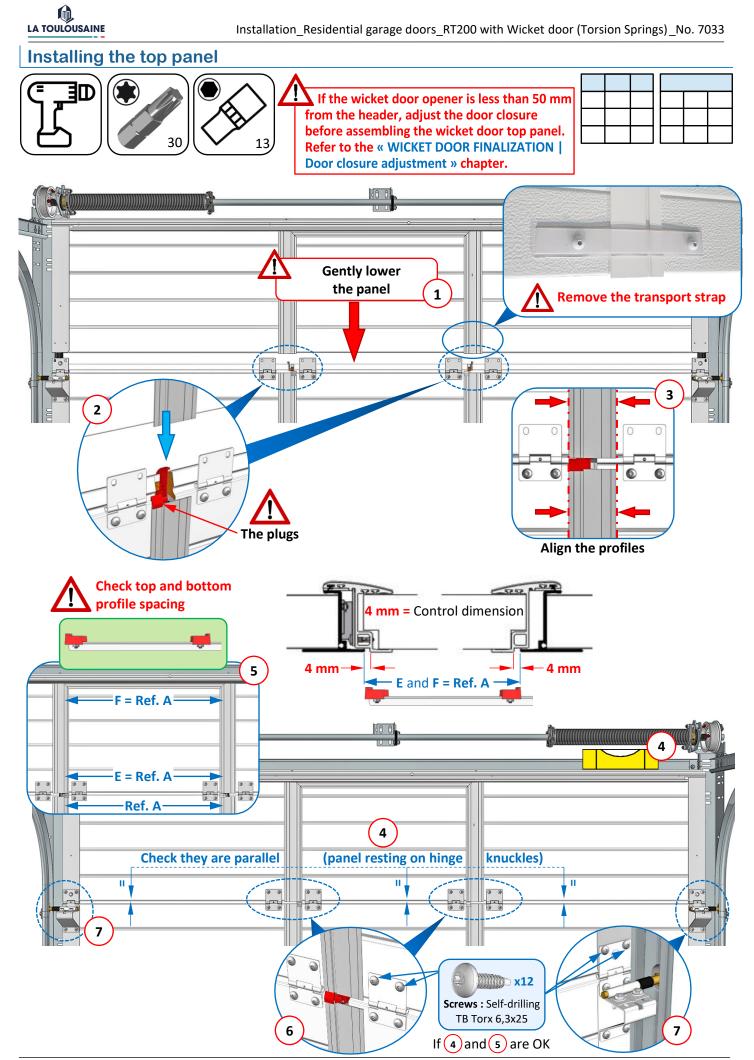


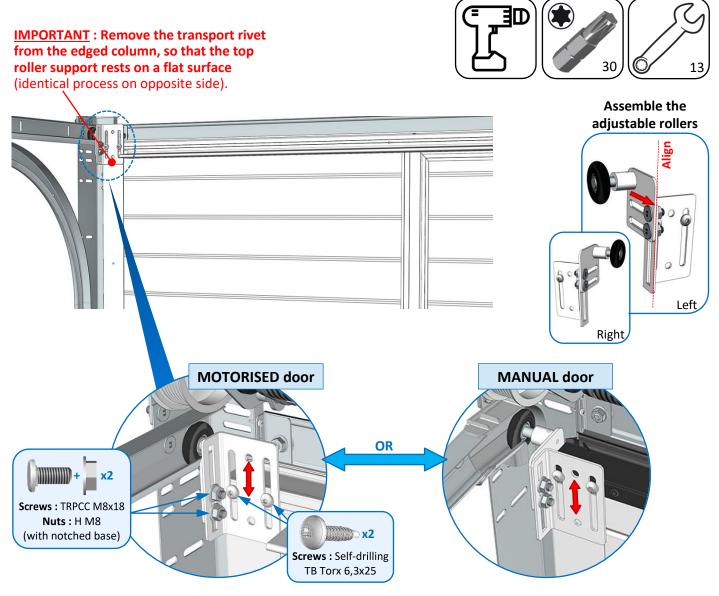


Installation_Residential garage doors_RT200 with Wicket door (Torsion Springs)_No. 7033





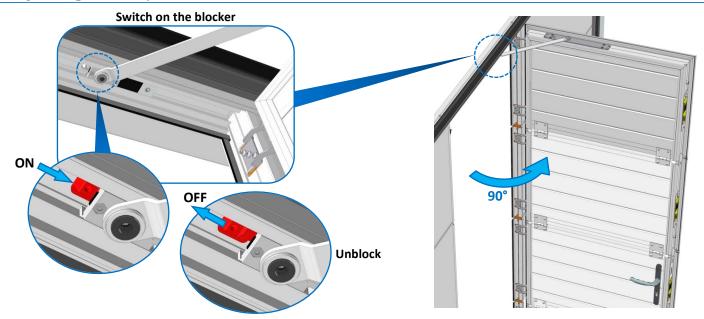




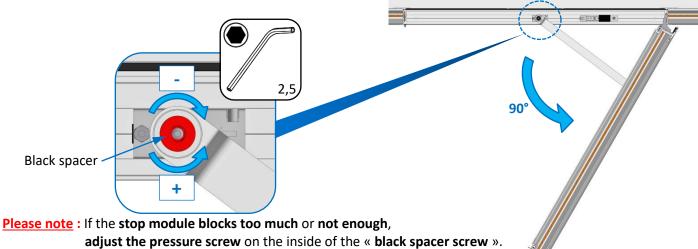
Repeat the process on the opposite side

Wicket door finalization

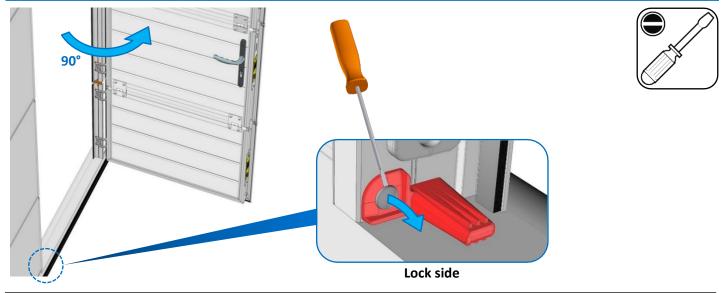
Adjusting the stop module

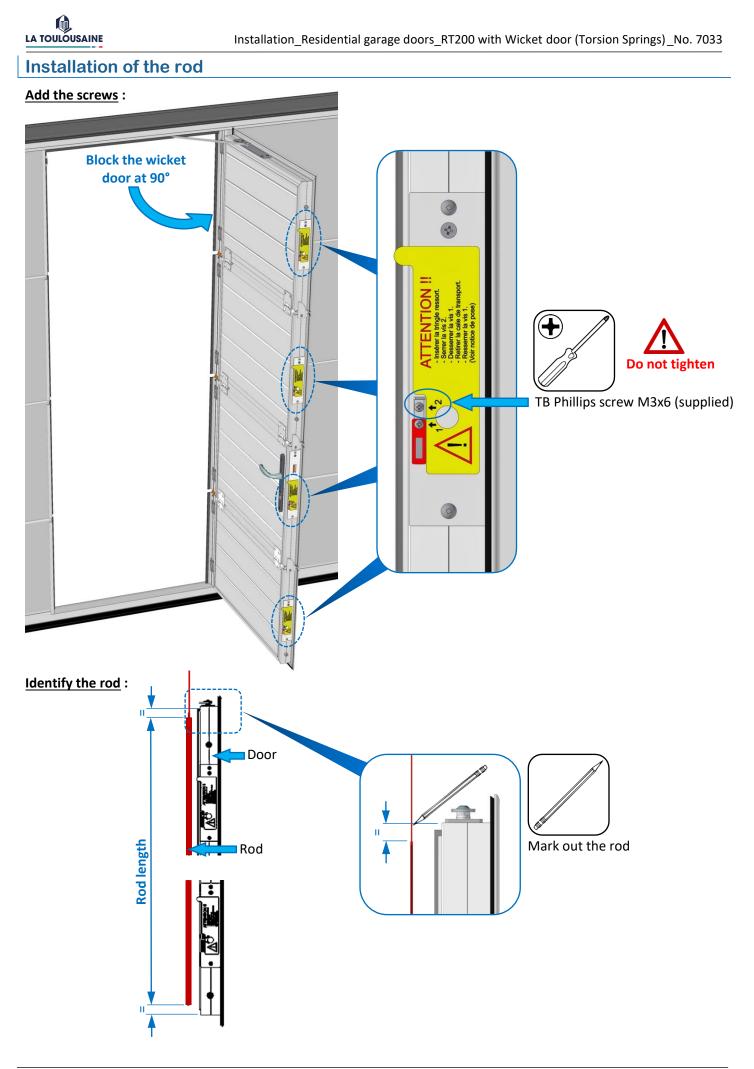


Test the stop module : Block the wicket door.

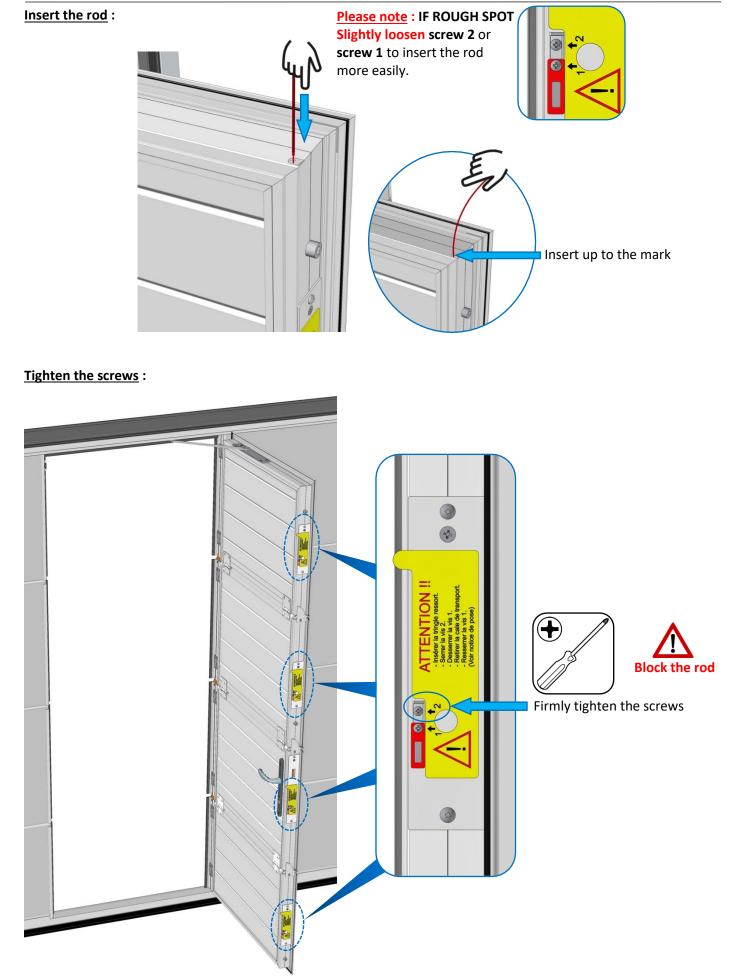


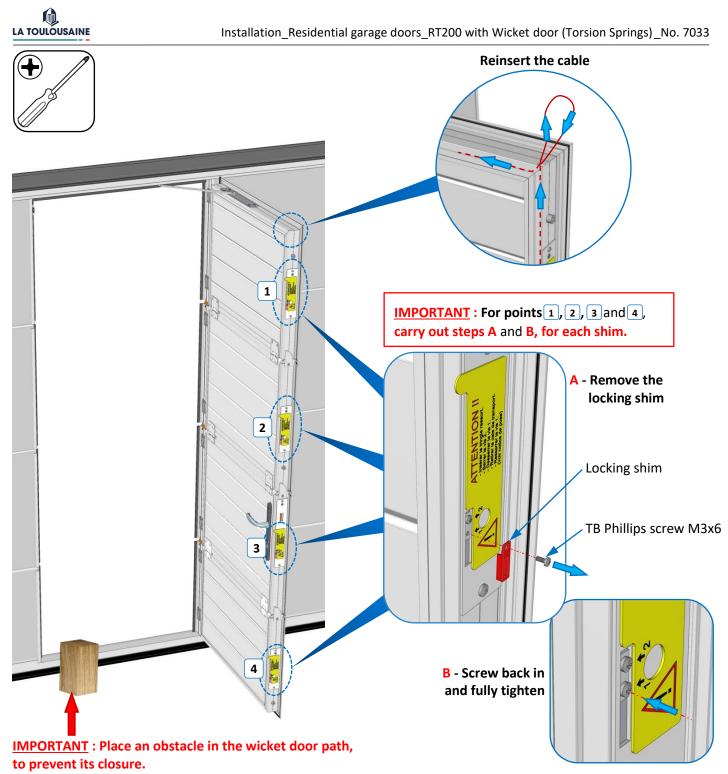
Remove the shim



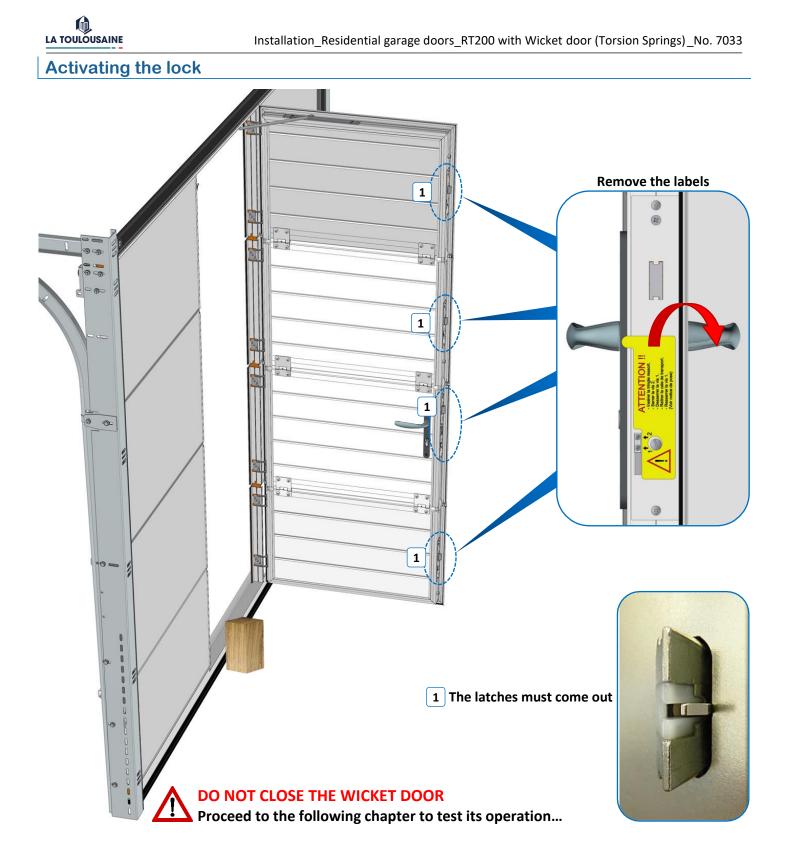






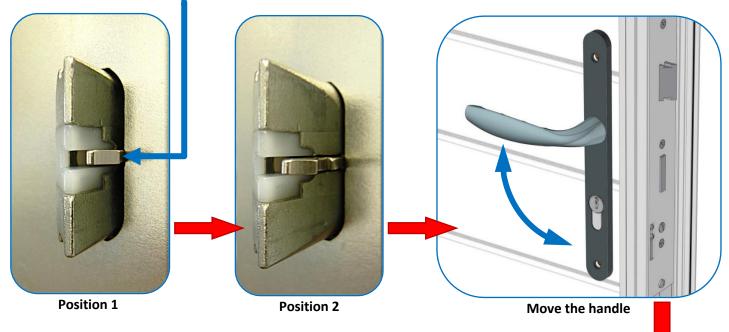


Leave it there until completing the « box operation tests ».



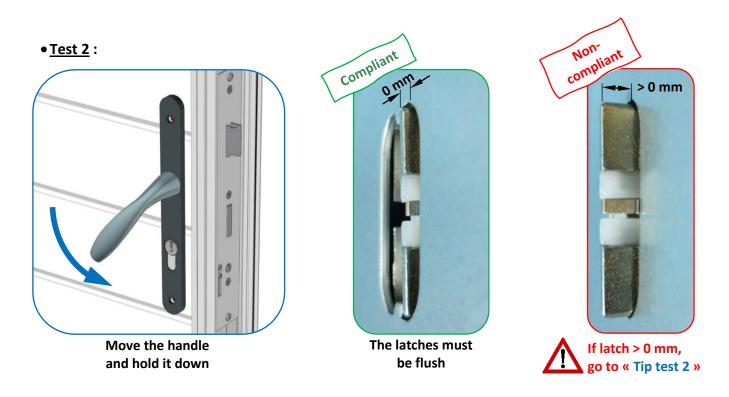
Boxes operation test

• Test 1 : For all boxes, press the release mechanism, the latches must come out at POSITION 2.



IMPORTANT: All the latches must go in and come out simultaneously and then return to POSITION 1.

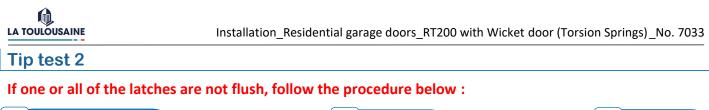
Repeat the test 2 to 3 times...

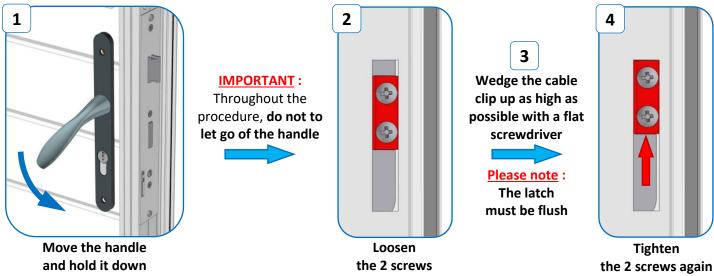




If the latches are not all functioning correctly, do not shut the wicket door, call Customer Services. IF YOU SHUT THE WICKET DOOR, IT WILL BE IMPOSSIBLE TO OPEN IT AGAIN.



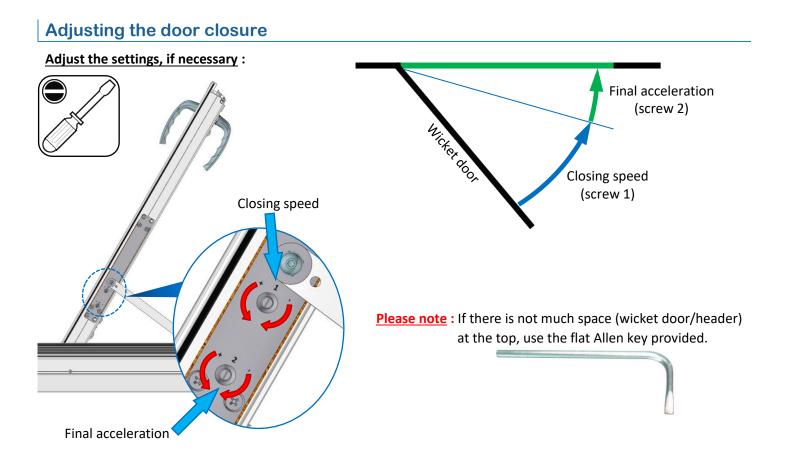




Before closing the wicket door, **check** that **the latches are flush** when holding the handle down. <u>Please note</u>: If the **wicket door becomes stuck** after closure, refer to the **« Solution »** chapter on the following page.

If necessary, check and tighten the centralizers again



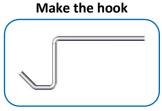


Solution « if the lock is stuck »

Depending on the specific case, it may be necessary to cut the spring rod between the panels.

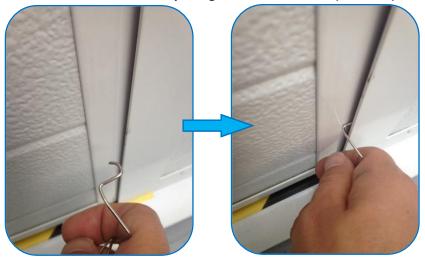
Identify the blocked part inside :

Lower the handle and gently push the door on each panel to identify the blocked area.



Actual size

Slide the hook into the opening of the wicket door (lock side)



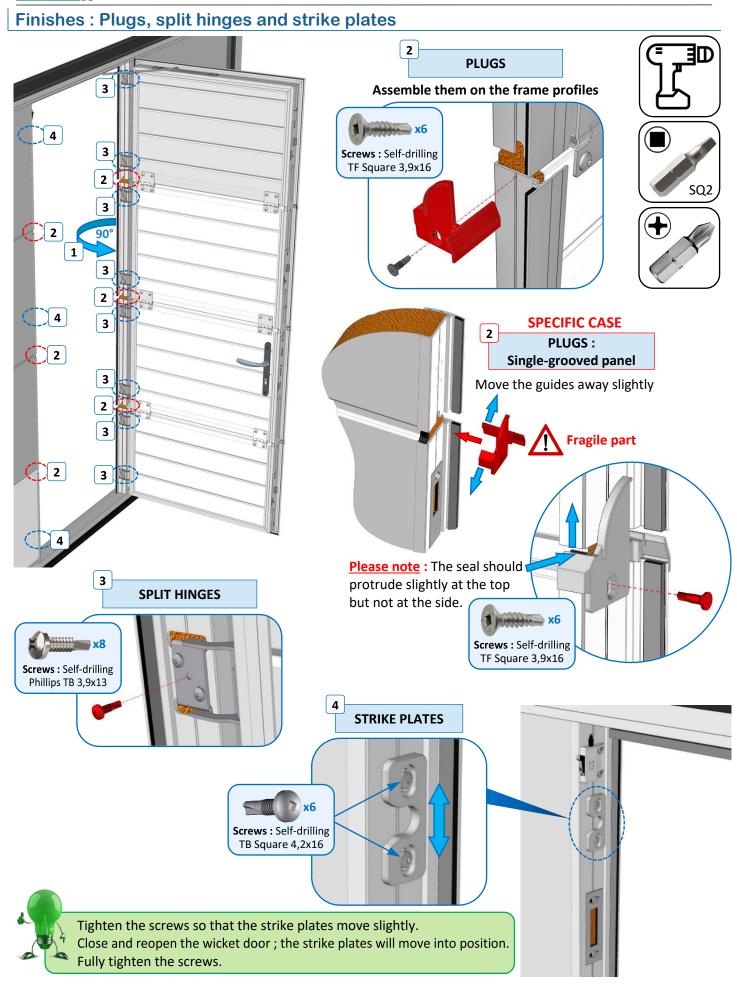
Then carry out the steps below, to hook one of the locks while holding the handle down.







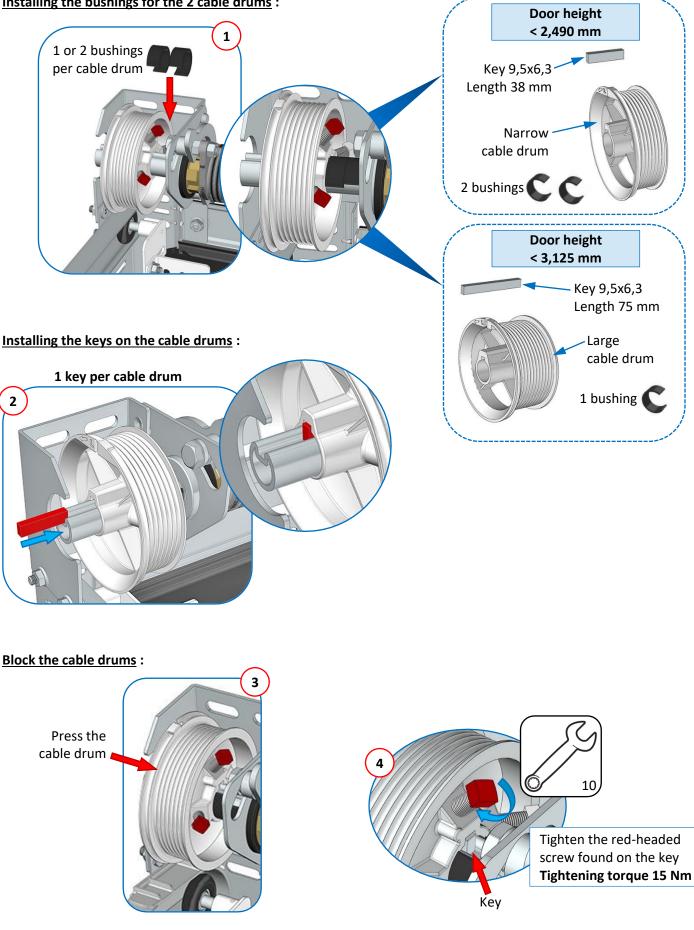
Once open, return to the « **Box operation test** » chapter and **set the latches correctly by following the test steps.**



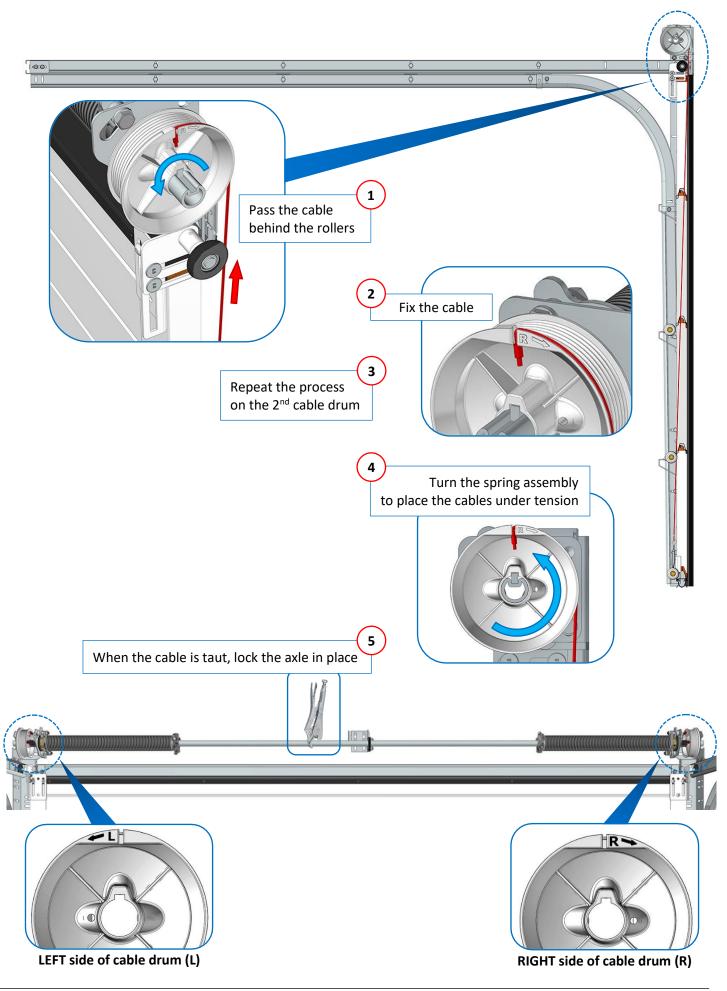
Cable installation

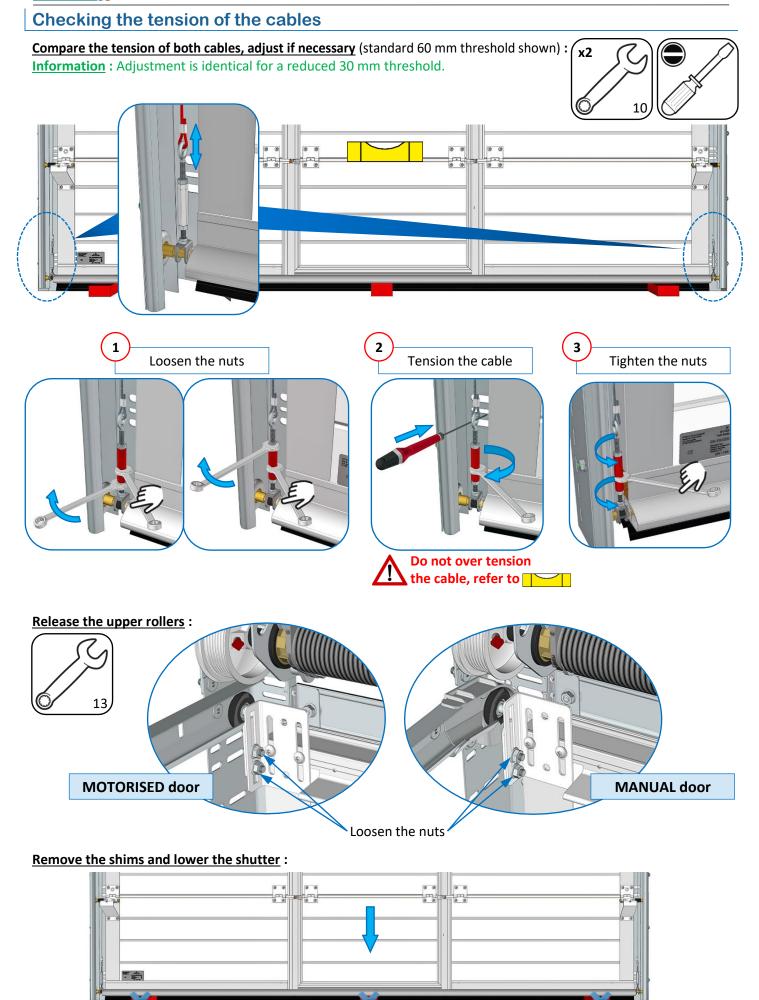
Positioning the cable drums





Routing the cables around the cable drums





Spring adjustments

Spring tension

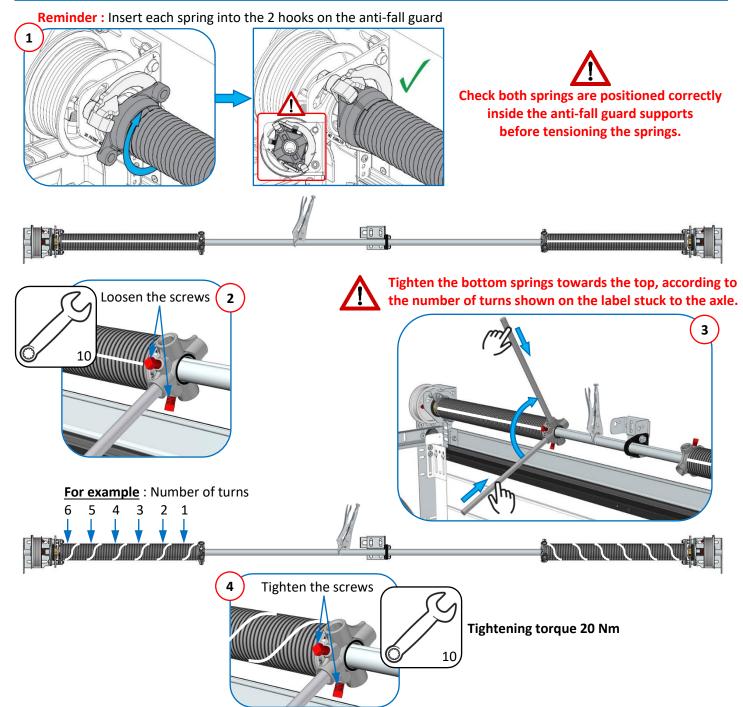
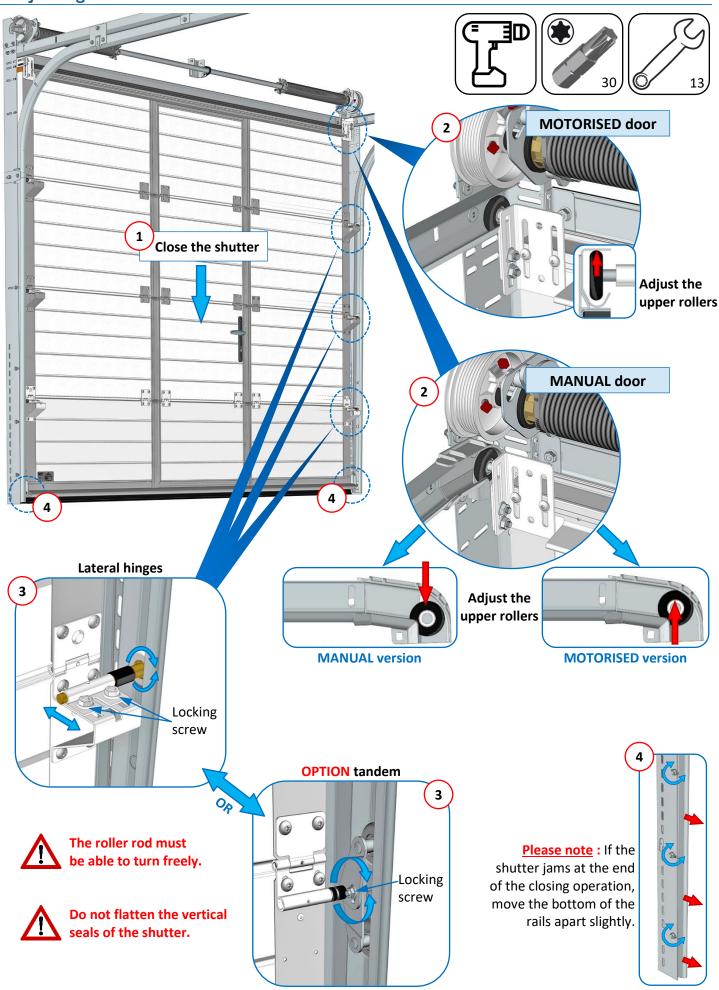


Table for number of spring tension turns

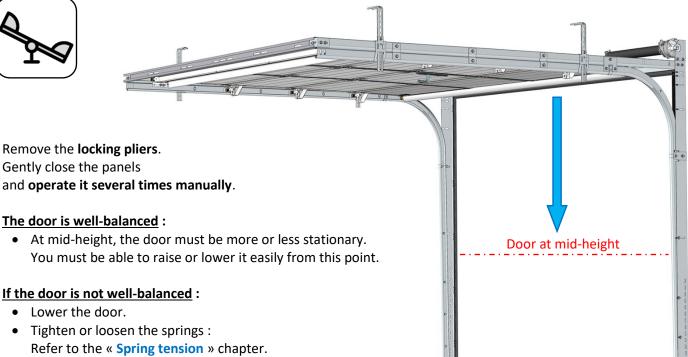
≤ 1,820 6 From 1,821 to 1,998 6,5 From 1,999 to 2,209 7 From 2,210 to 2,347 7,5 From 2,348 to 2,519 8 From 2,520 to 2,714 8,5 From 2,715 to 2,885 9 From 2,886 to 3,000 9,5	Passage height (mm)	Number of tension turns	Number of turns shown on the right bearing
From 1,999 to 2,209 7 From 2,210 to 2,347 7,5 From 2,348 to 2,519 8 From 2,520 to 2,714 8,5 From 2,715 to 2,885 9	≤ 1,820	6	
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 1,821 to 1,998	6,5	Adjust the settings
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 1,999 to 2,209	7	
From 2,348 to 2,519 8 if necessary From 2,520 to 2,714 8,5 If necessary From 2,715 to 2,885 9 If necessary	From 2,210 to 2,347	7,5	
From 2,520 to 2,714 8,5 From 2,715 to 2,885 9	From 2,348 to 2,519	8	
	From 2,520 to 2,714	8,5	
From 2,886 to 3,000 9,5	From 2,715 to 2,885	9	
	From 2,886 to 3,000	9,5	





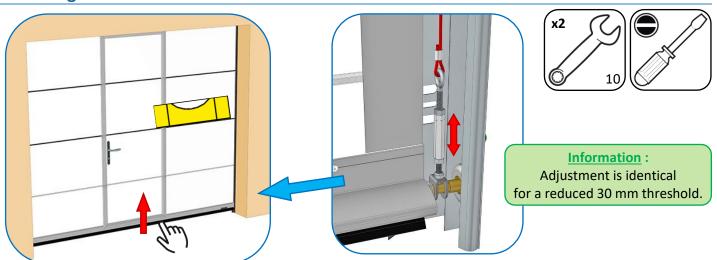
Checking the balance





Finishes

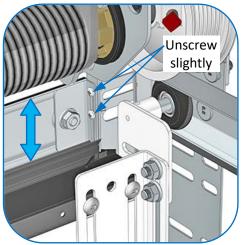
Leveling the shutter



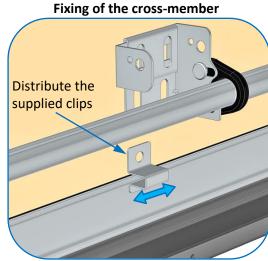
To adjust the tensioner, refer to the « Checking the tension of the cables » chapter.

Adjusting and fixing of the cross-member

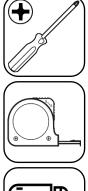
Adjusting of the cross-member



Repeat the process on the opposite side

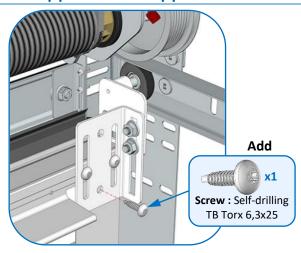


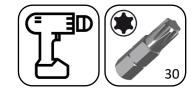
Use appropriate fittings for the support (screws and pins not supplied)





Fixing the upper roller supports



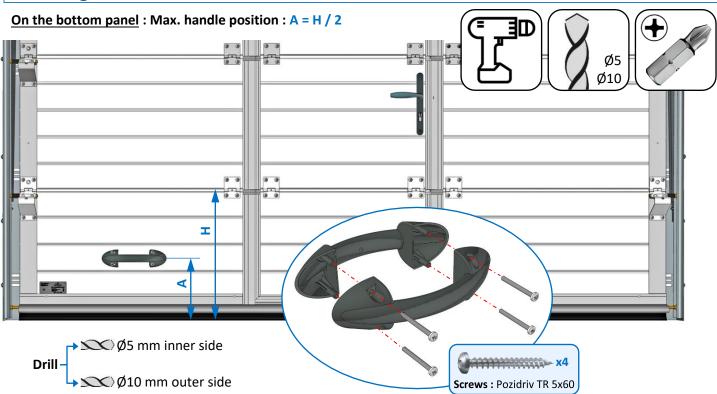


Repeat the process on the opposite side

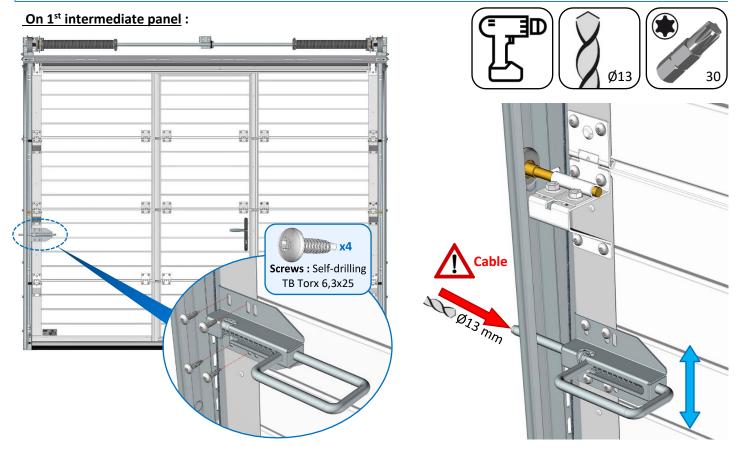
Installation of opening stop (if manual door)

• Refer to the instruction for installation of the opening stop.

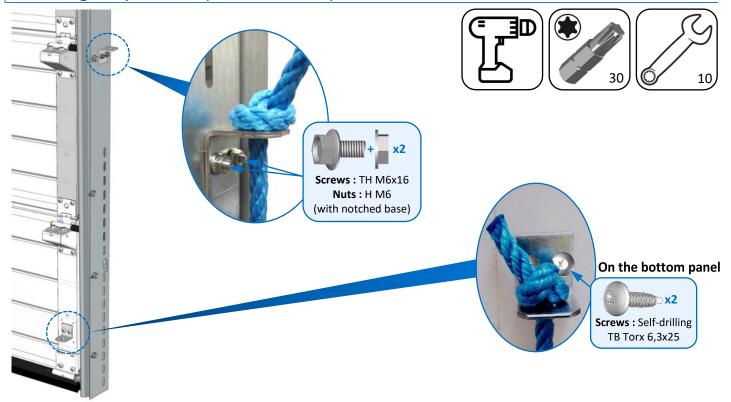
Mounting the handle



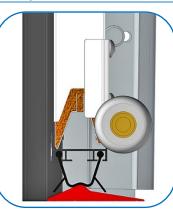
Mounting the latch (optional on motorised doors)



Installing the pull cord (if manual door)



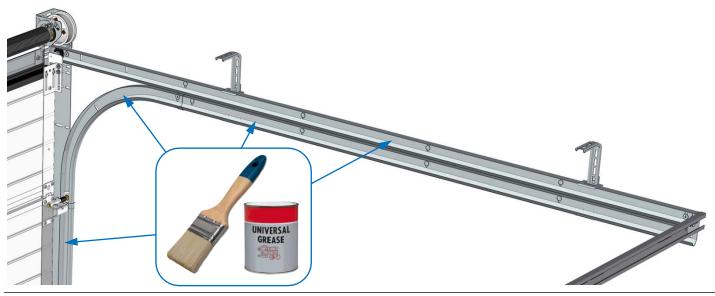
Weather seal (optional)



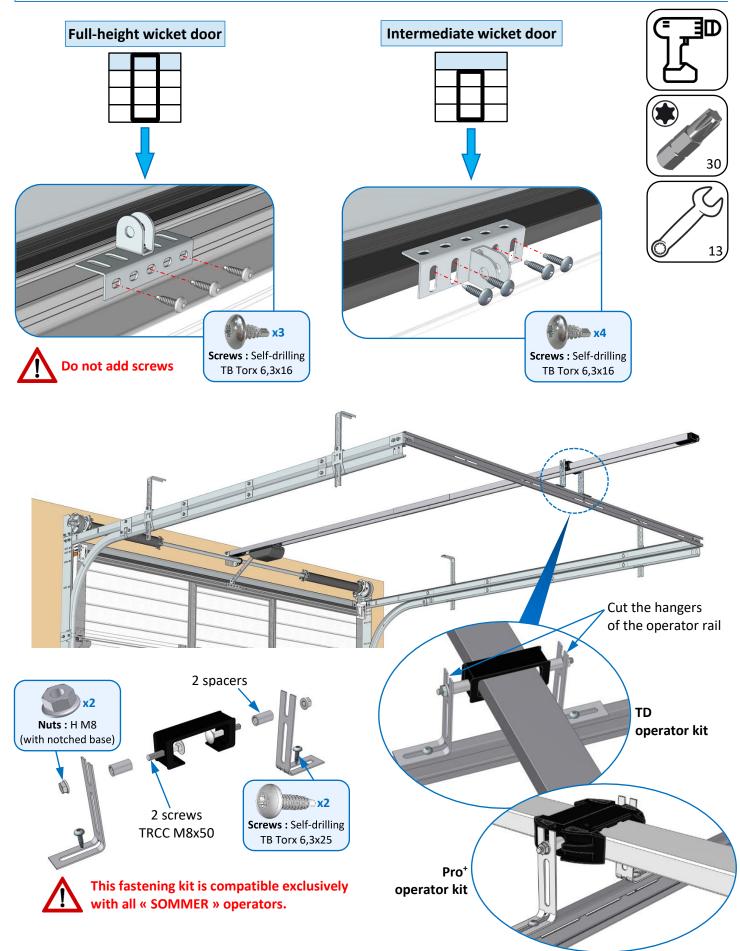
Weather seal section to be glued to the floor between the rails.

Refer to manual : Weather seal.

Greasing the bottom of the rails

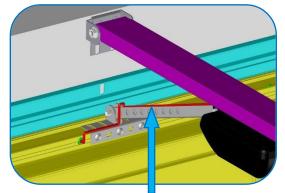


Fixing the « SOMMER » operator to the back bar

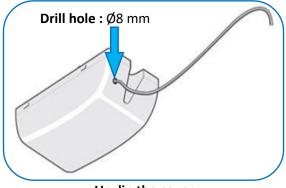


Micro switch & contact radio

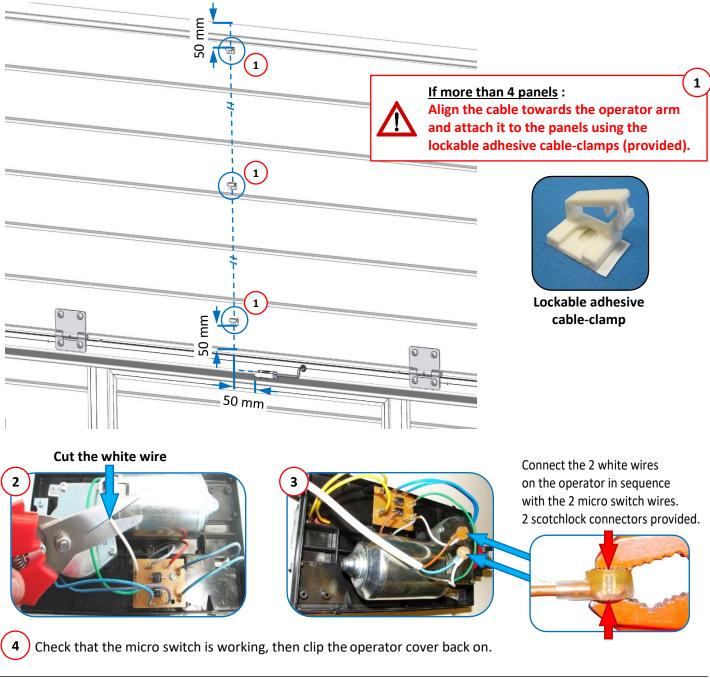
Connecting the safety micro switch to the TD operator (wiring)

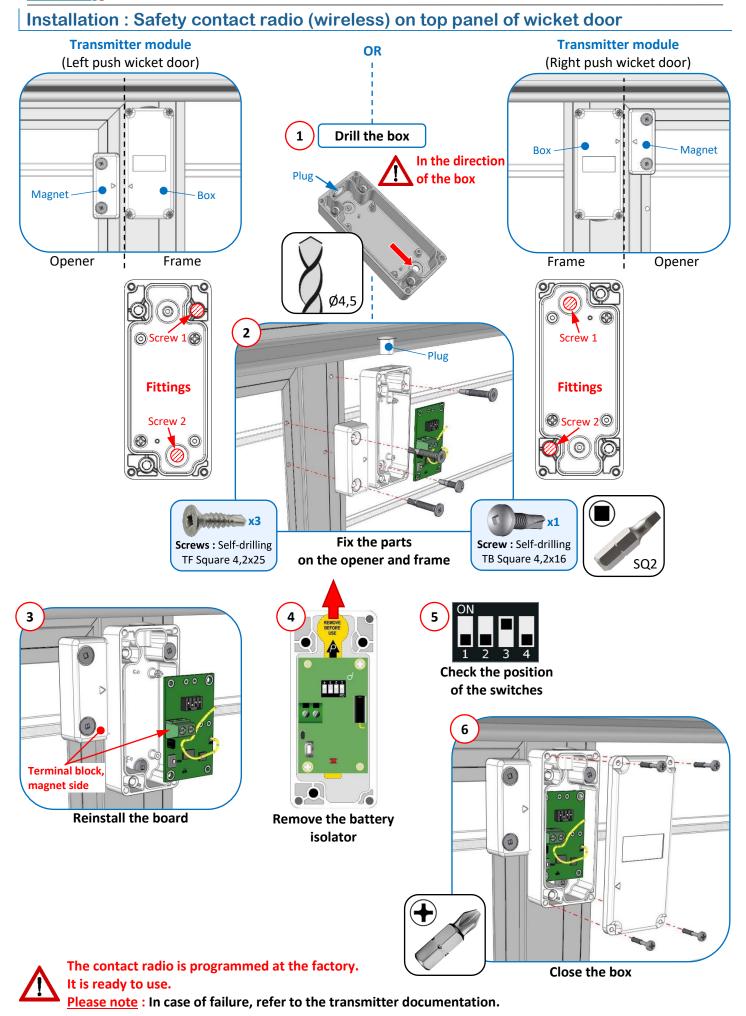


If there are 3 or 4 panels : Pass the electric cable of the micro switch along the length of the operator arm.



Unclip the cover

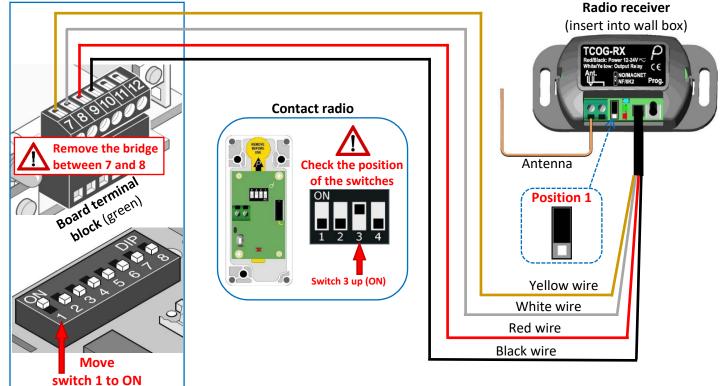




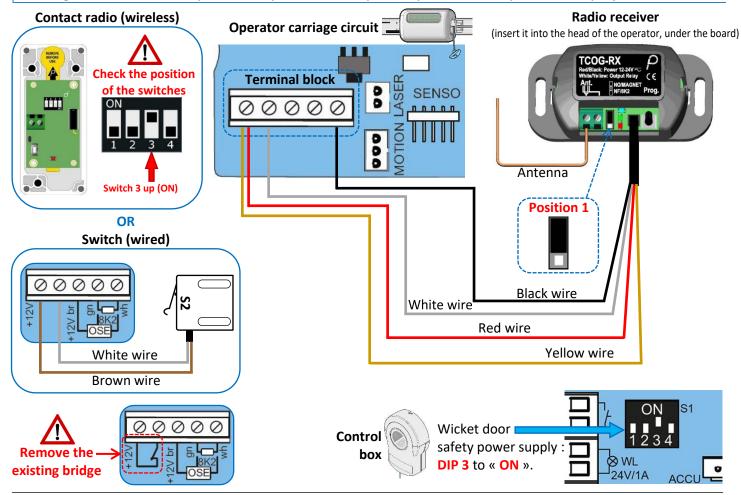
Connection

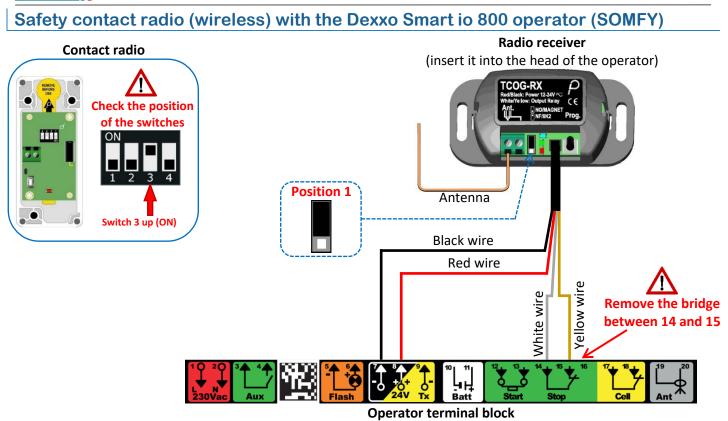
Safety contact radio (wireless) with the TD operators (SOMMER)

Operator box



Safety contact radio (wireless) or switch (wired) with Pro⁺ (SOMMER) operators





Safety contact radio (wireless) with the Dexxo Optimo RTS operator (SOMFY)

