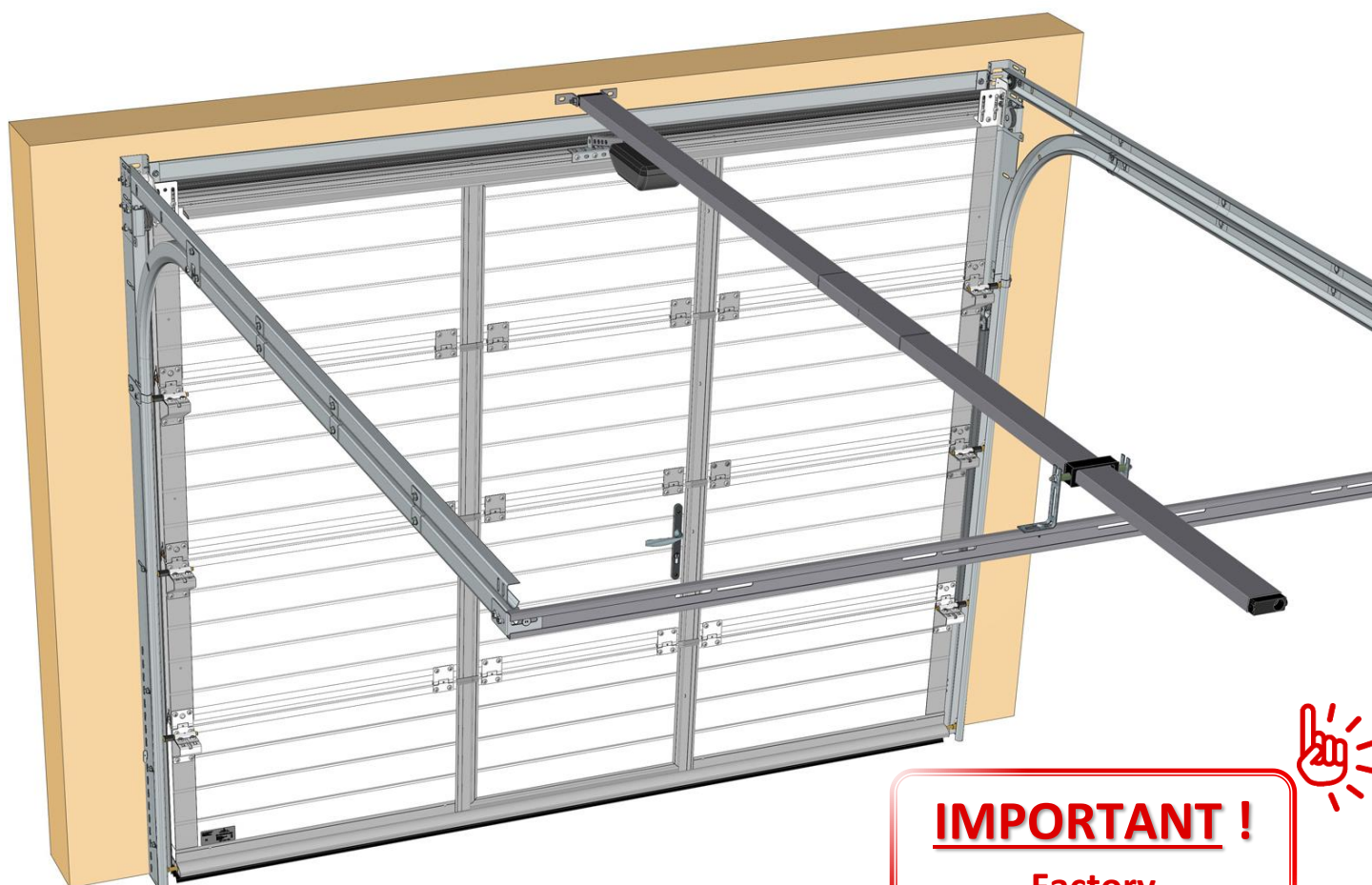


INSTALLATION

Residential garage doors Manual or Motorised



RE100 with Wicket door
with reduced 30 mm
or standard 60 mm threshold



IMPORTANT !
Factory
pre-tensioned springs



(Document reserved for installers)

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Installation instructions



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 extension 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

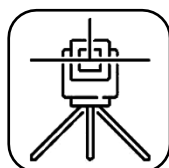
Panels mounting screws = 12 Nm

Min. working load per attachment point :

Rails = 40 daN

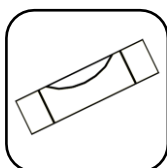
Before installation

Required equipment

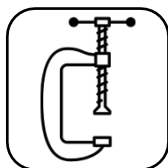


Laser level

or



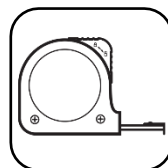
Spirit level



Clamps



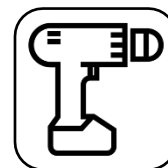
Plumb bob



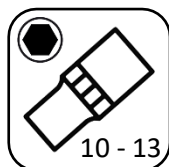
Tape measure



Utility knife



Electric
screwdriver



Sockets
10 - 13



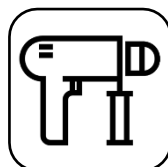
Cruciform bit



Flat keys
10 - 13



Allen keys
2,5 - 4



Perforator



Torx bit
30



Square
end-piece
SQ2



Phillips
screwdriver



Flat
screwdriver



Pencil



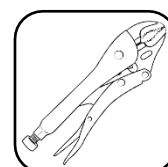
Grinder



Combination
pliers



Cutting
pliers



Locking
pliers



Steel drill bits
Ø2-4,2-4,5-10-13



Hammer



Rivet gun



Hacksaw



Silicone seal



Brush



Pot of grease



Ladder

Kit contents for each door configuration/option

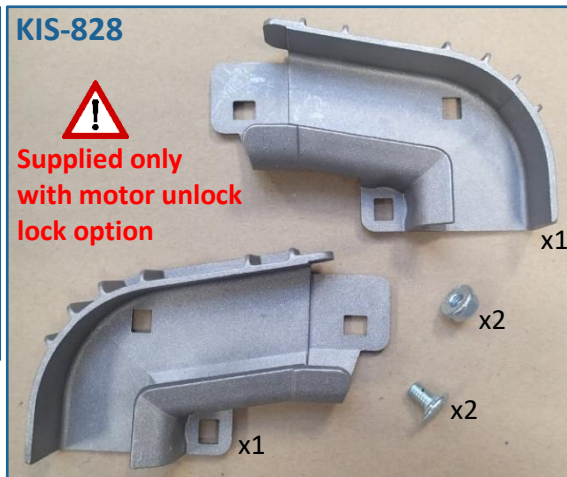
Kits for MOTORISED and MANUAL doors



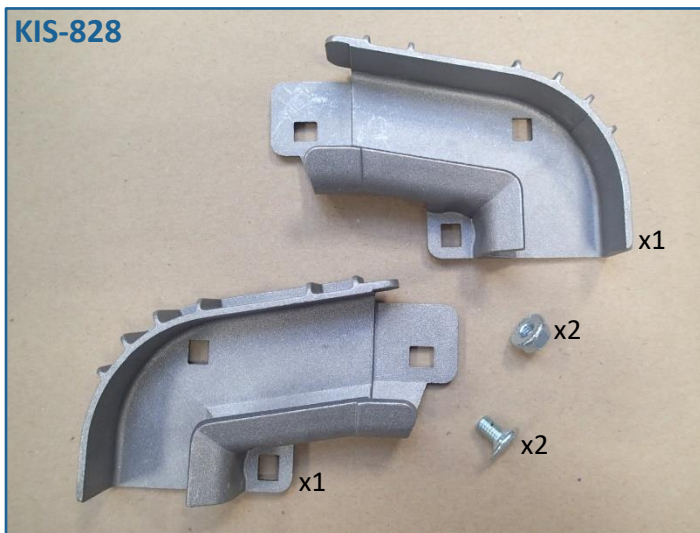
Kit supplied, if reduced 30 mm threshold

Only, if 60 mm threshold

Kits for MOTORISED doors

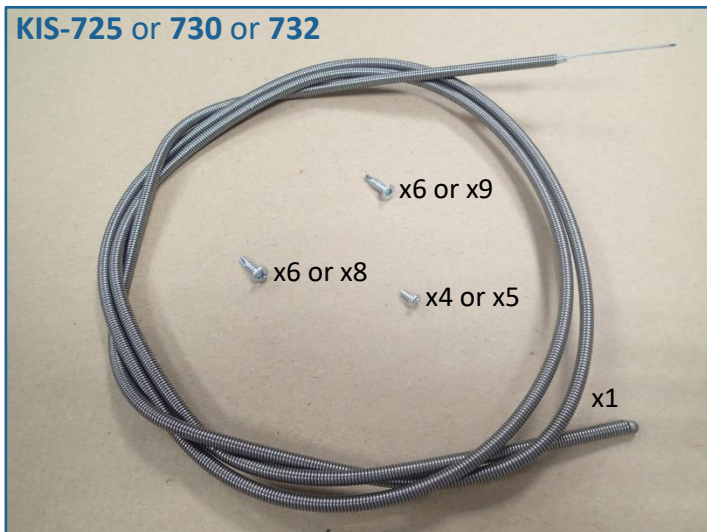


Kits for MANUAL doors

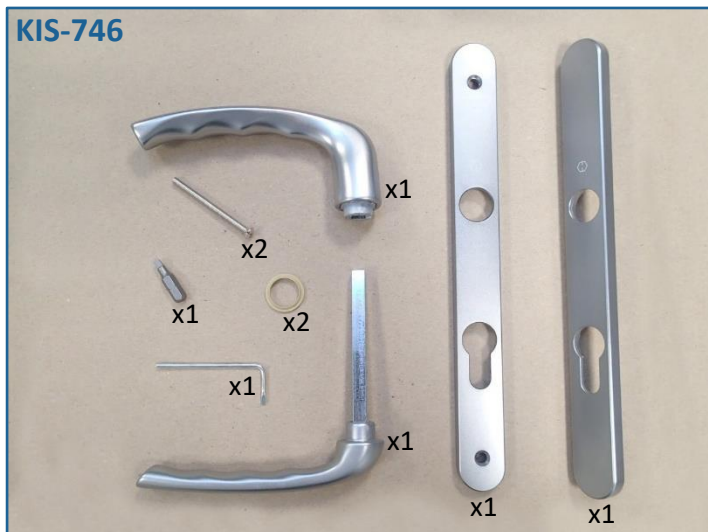


Wicket door parts

KIS-725 or 730 or 732



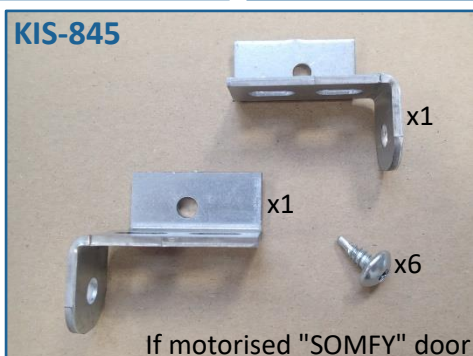
KIS-746



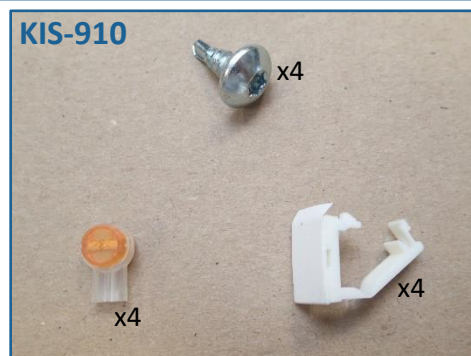
KIS-750



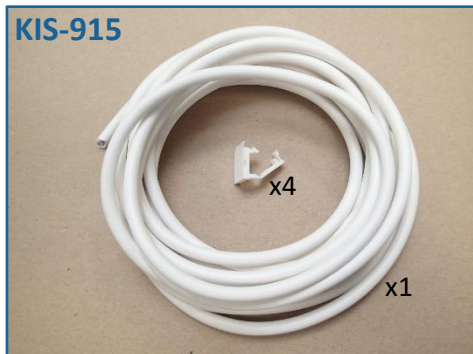
KIS-845



KIS-910



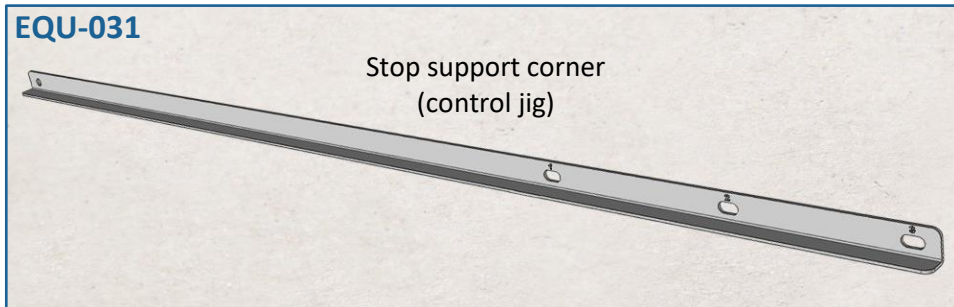
KIS-915



KIS-760

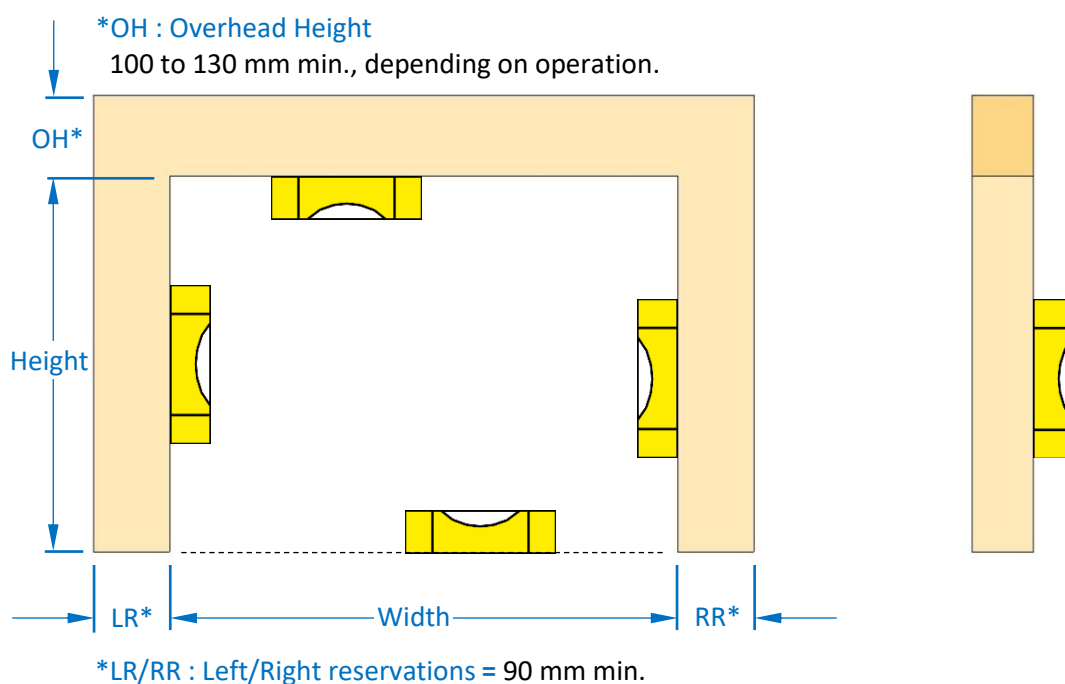
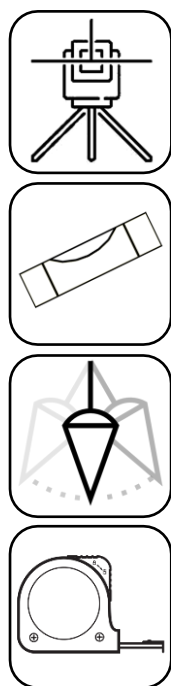


EQU-031

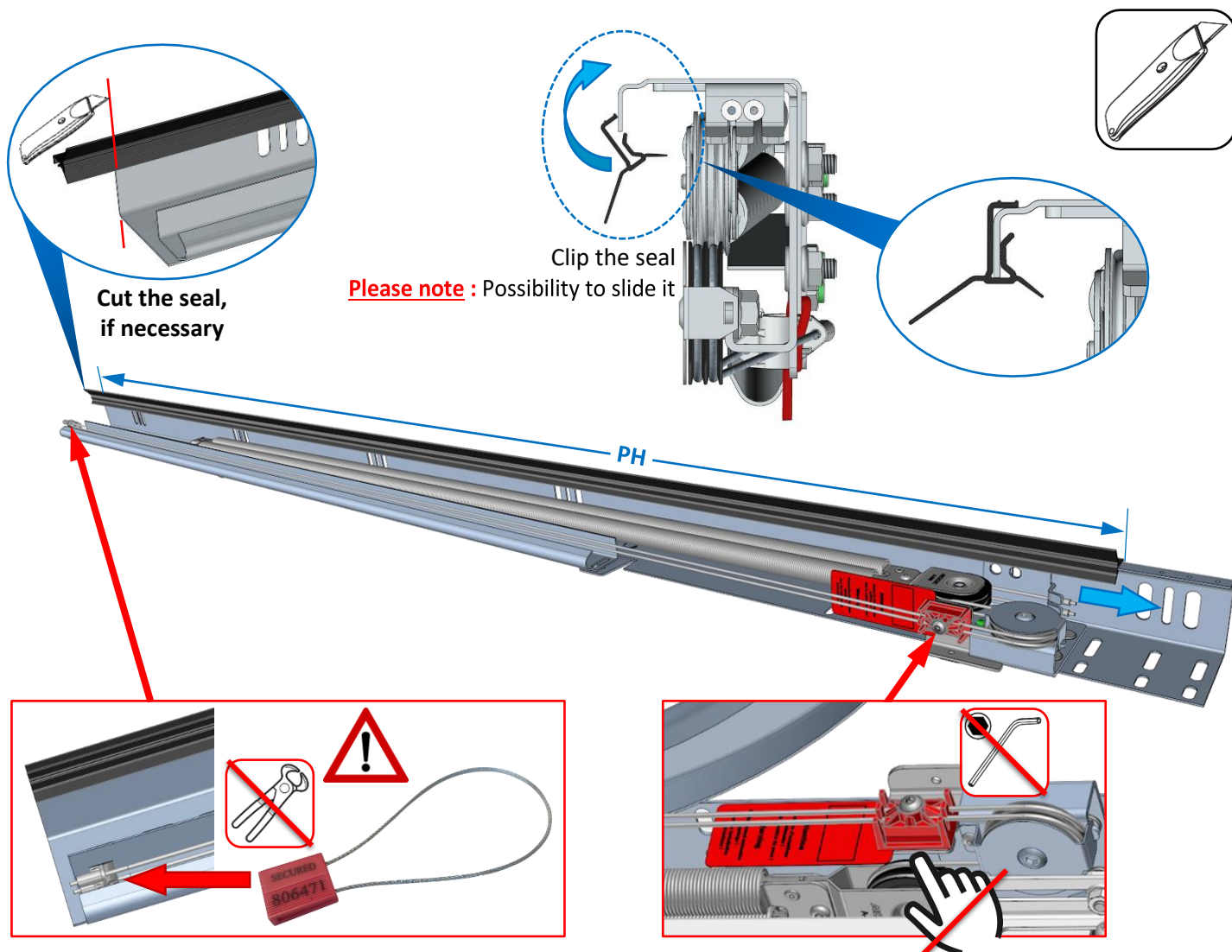


Vertical rail installation

Checking the bay

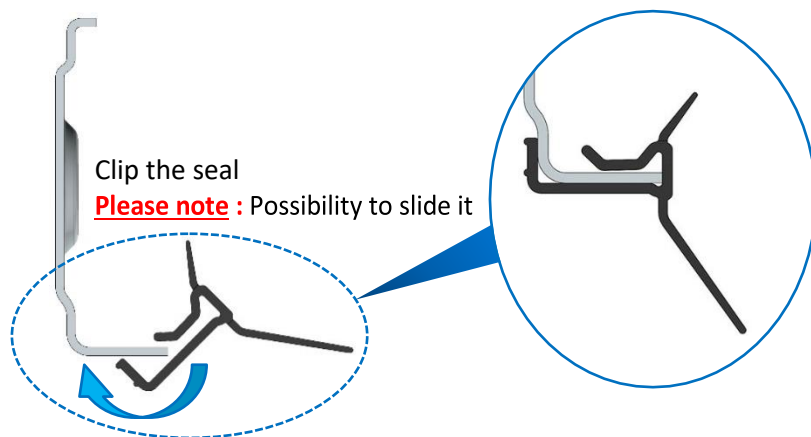
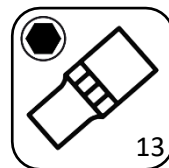
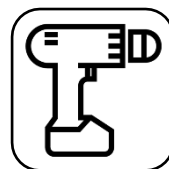
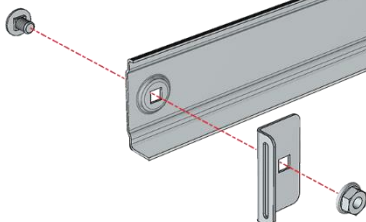
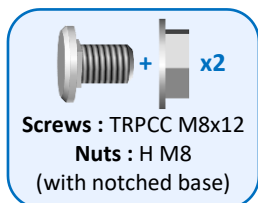


Mounting of vertical seals

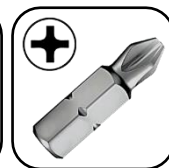
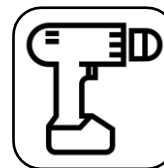
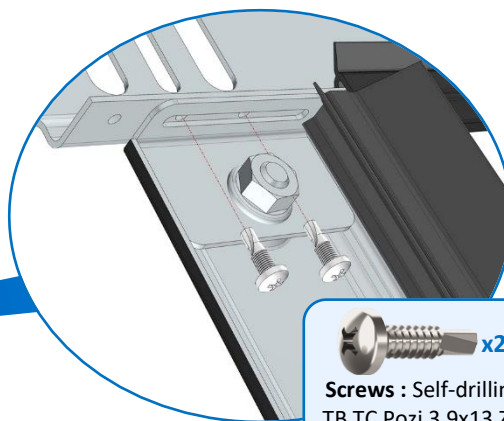
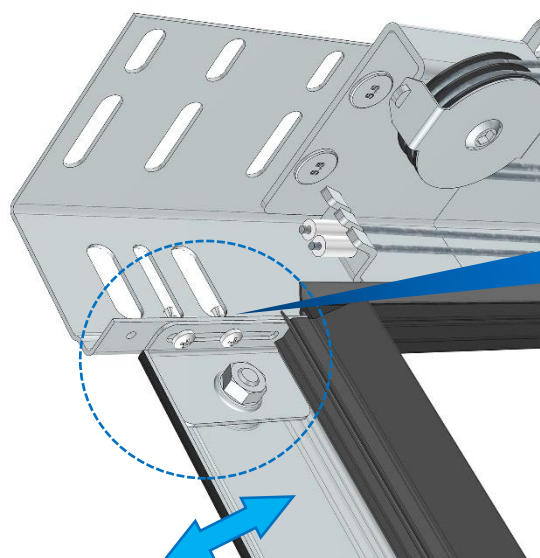


Mounting the brackets and the seal on the cross-member

Remove the protective film, before starting the assembly.



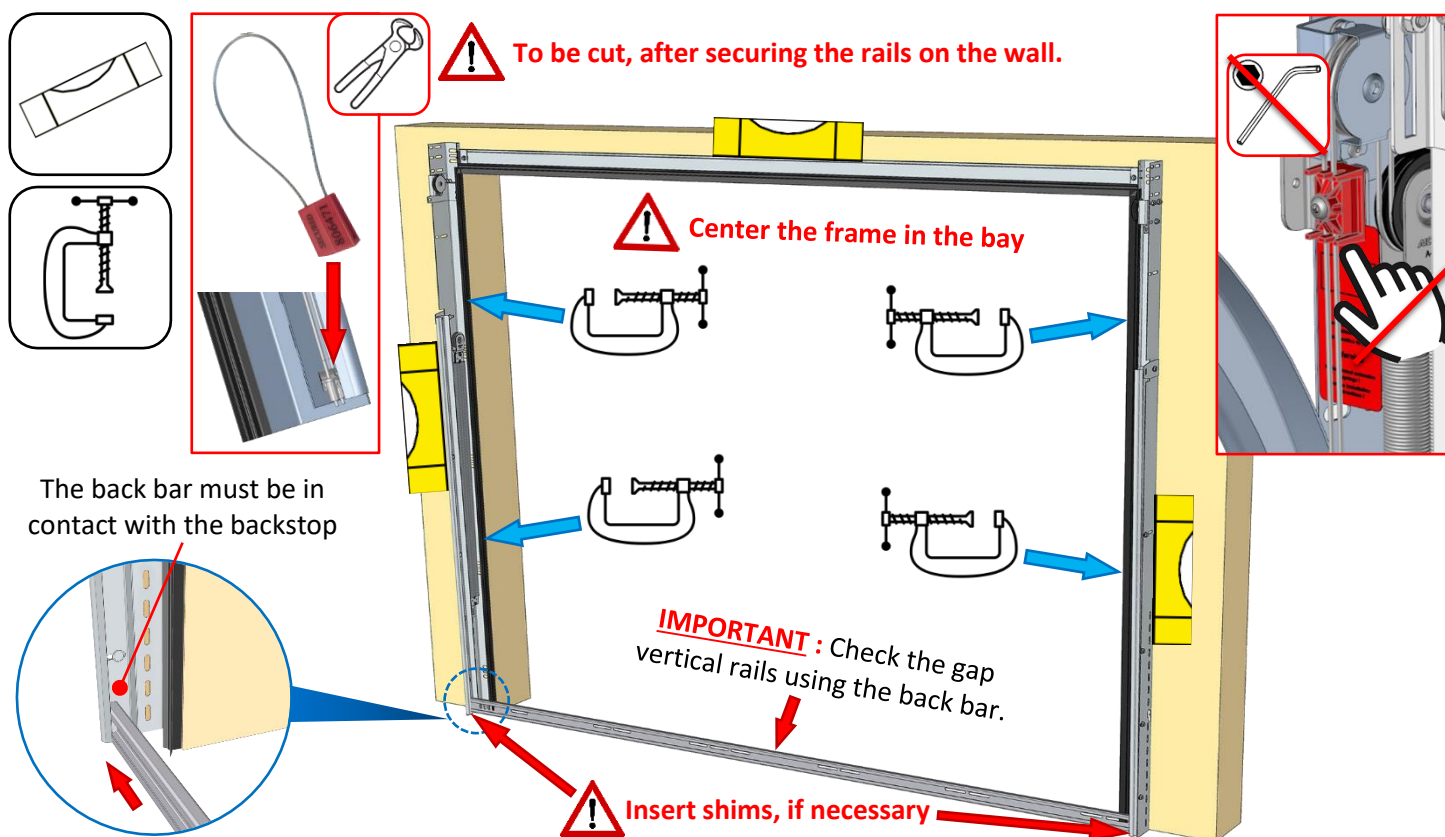
Fixing of the cross-member to the floor



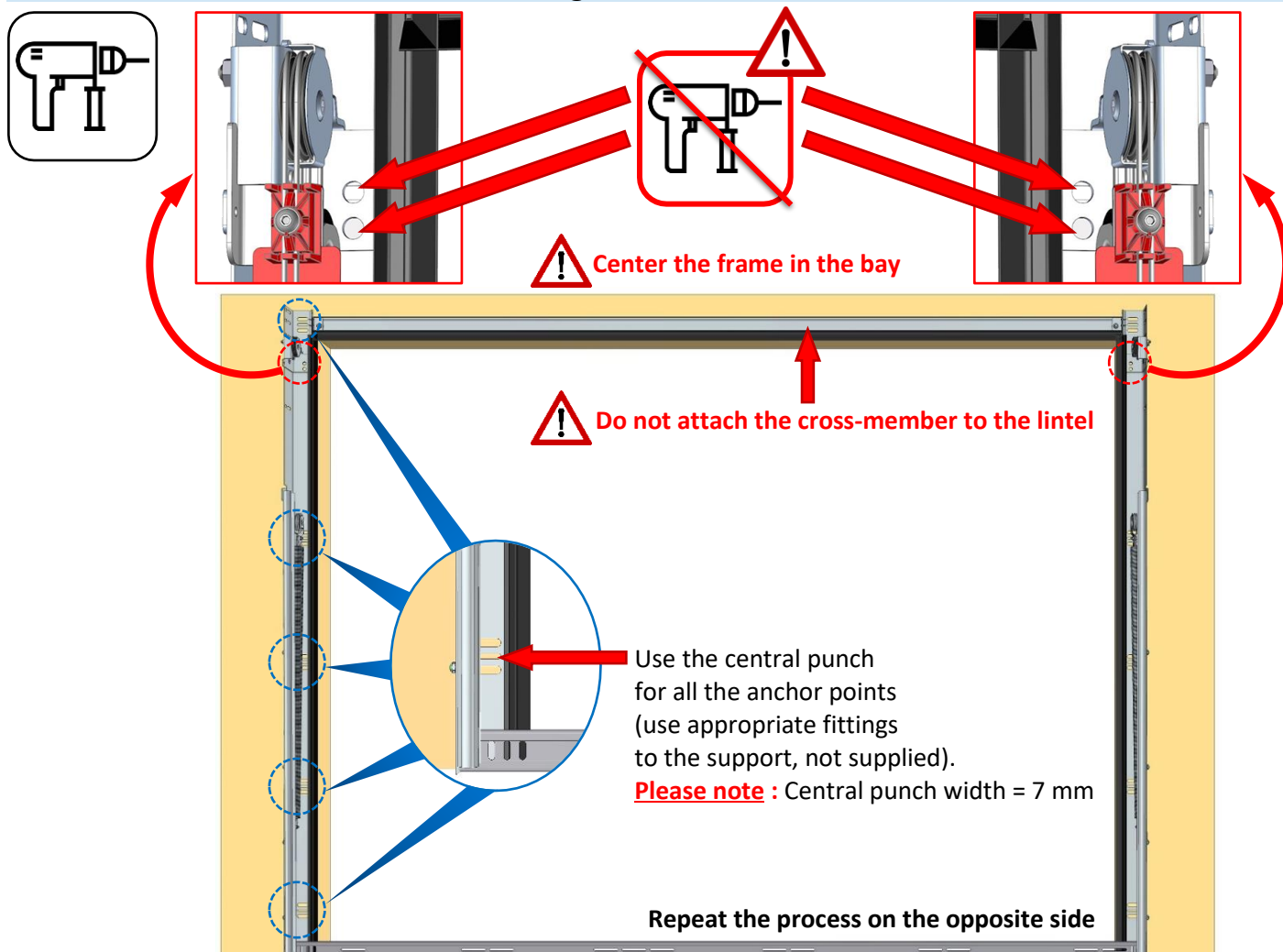
The vertical position of the cross-member will be adjusted once the rails have been mounted on the wall

Repeat the process with the other vertical rail

Layout of the frame

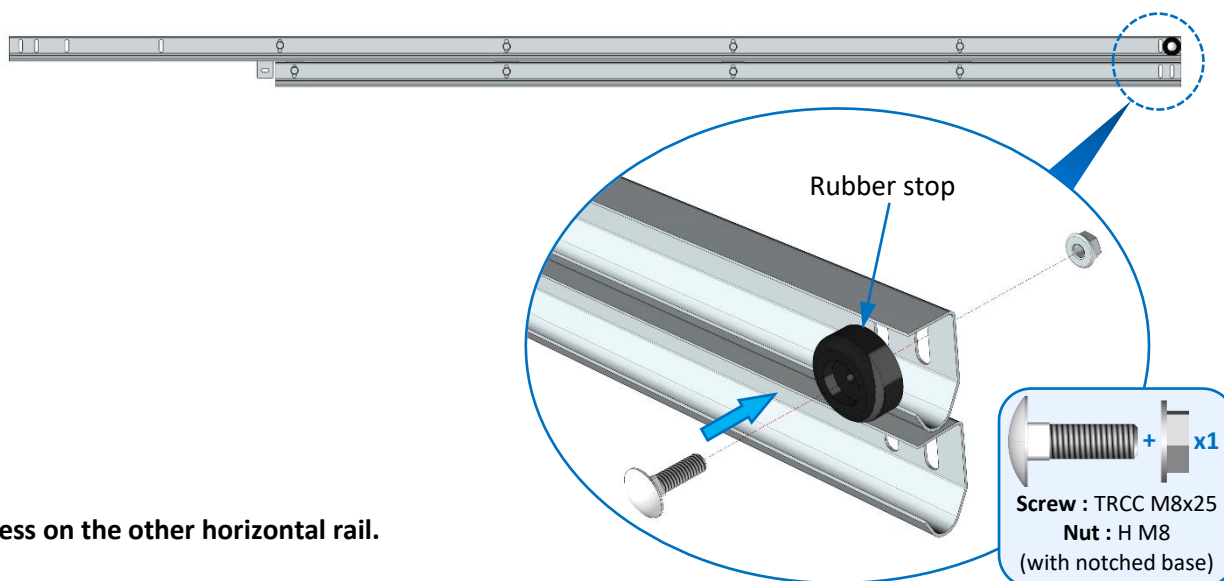
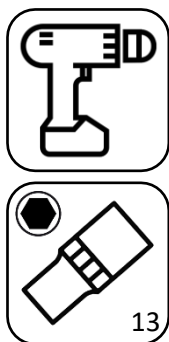


Fixing the vertical rails



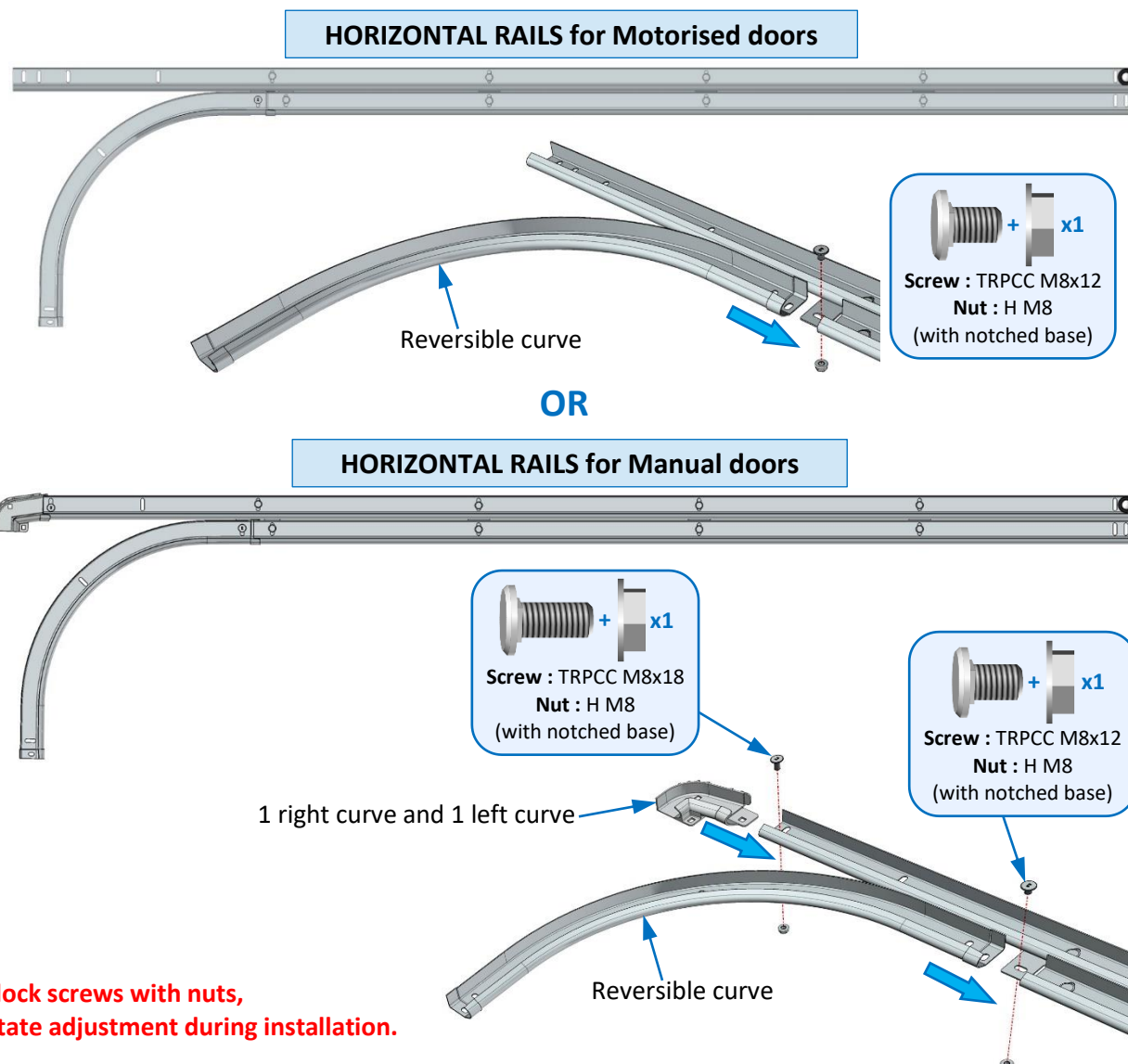
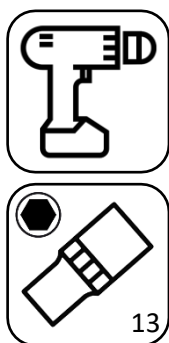
Horizontal rail installation

Mounting of the stops (motorised doors)



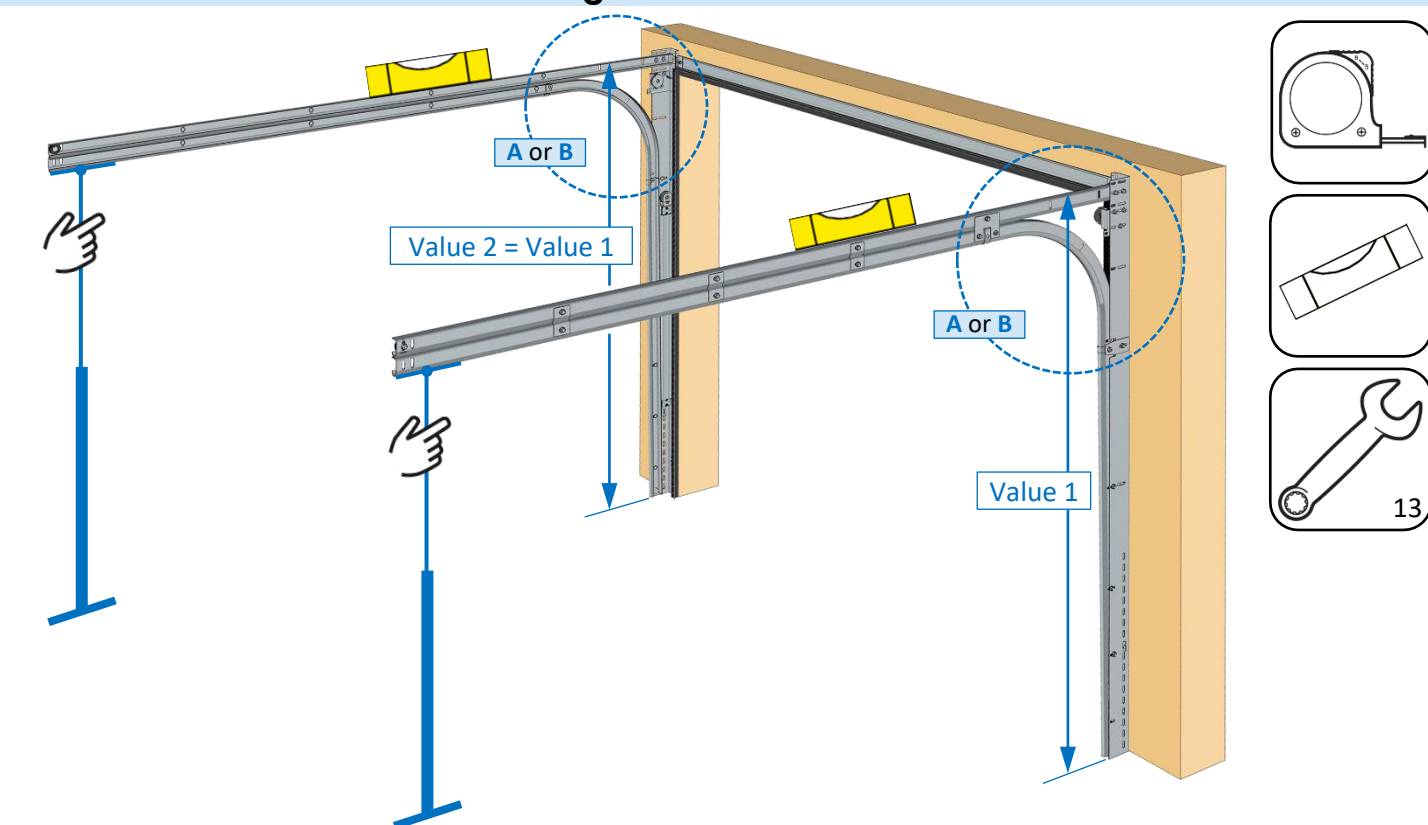
Repeat the process on the other horizontal rail.

Assembling of curves



Do not lock screws with nuts,
to facilitate adjustment during installation.

Fixing the horizontal rails



A- MOTORISED door

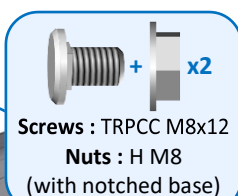
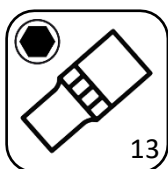
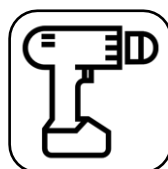
B- MANUAL door

Screws : TRPCC M8x18
Nuts : H M8
(with notched base)

Cut the clamp
left & right side

Screw : TRPCC M8x12
Nut : H M8
(with notched base)

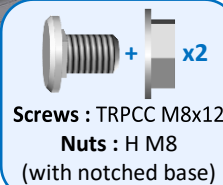
Assembling the back bar brackets



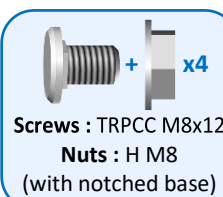
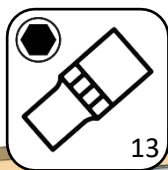
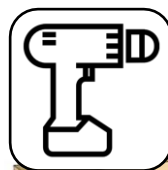
End of back bar in
contact with bracket

MANUAL door : OH < 130 mm
MOTORISED door (Sommer) : OH < 130 mm

Back bar end aligned
with end of bracket



Installing the back bar



MANUAL door

OH < 130 mm

or

OH ≥ 130 mm

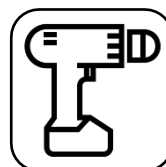
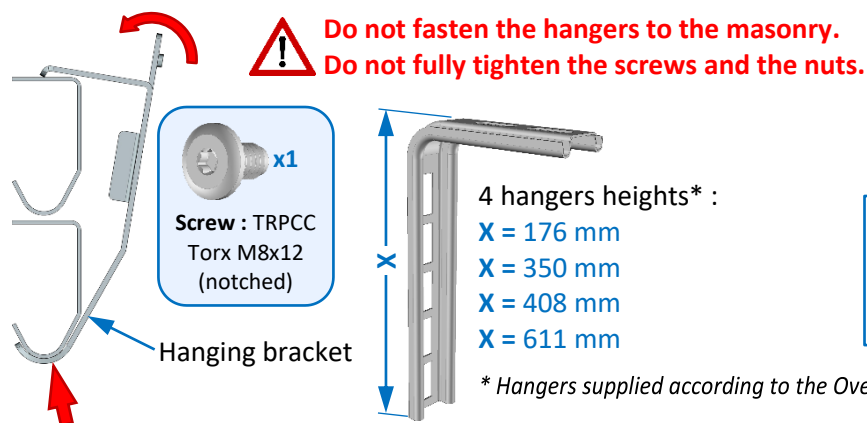
MOTORISED door

OH < 130 mm
Sommer operator only

or

**All operators
except Sommer OH < 130 mm**

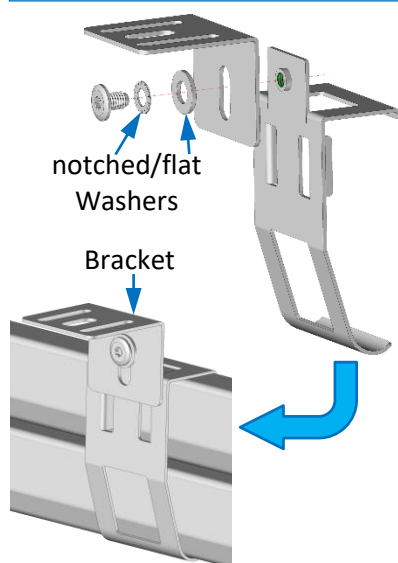
Installing the hangers



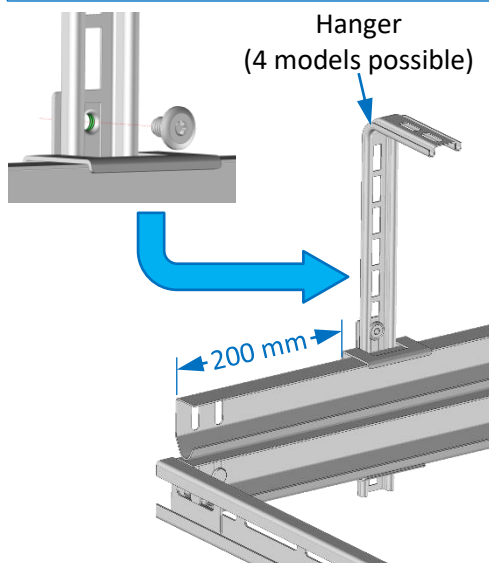
Adapt the number of hangers to the dimensions of the doors :

- 2 hangers, if $PW \leq 3000$ or $PH \leq 2150$ mm
- 4 hangers, if $PW > 3000$ or $PH > 2150$ mm

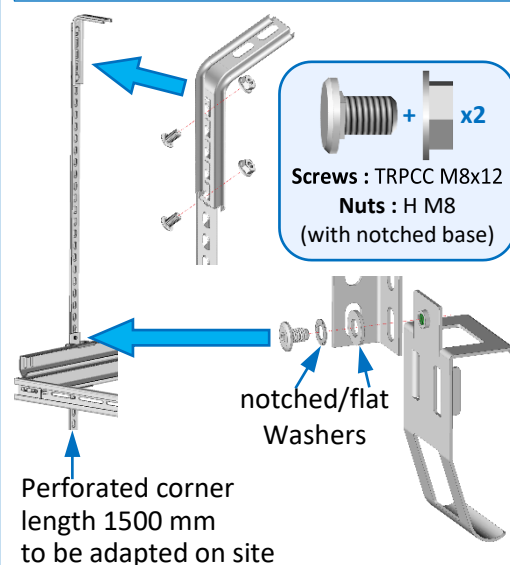
Assembly : $OH \leq 115$ mm



Assembly : $115 \text{ mm} < OH \leq 670$ mm

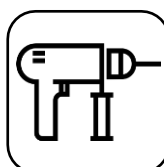
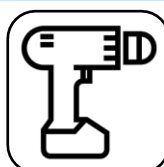
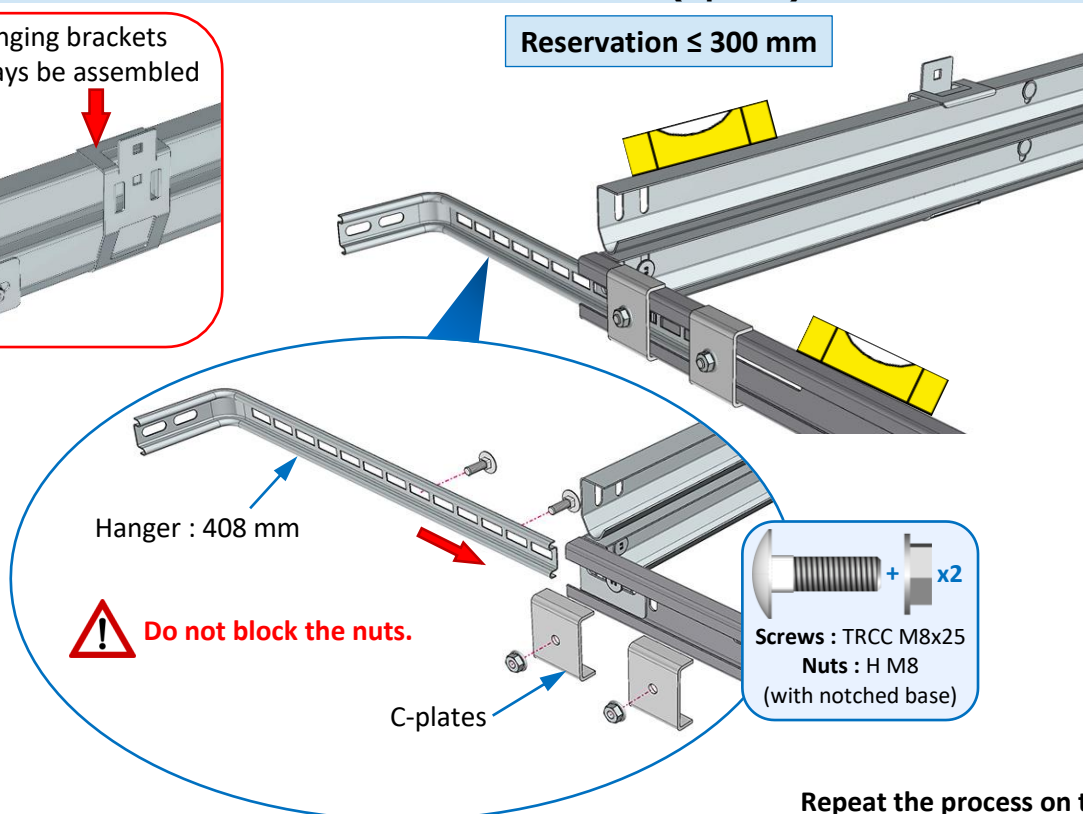
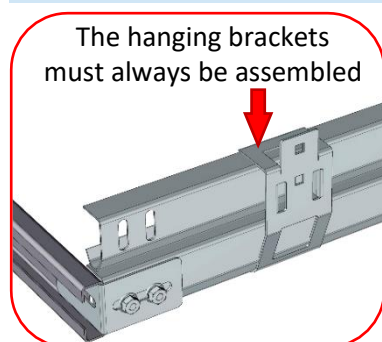


Assembly : $670 \text{ mm} < OH \leq 1600$ mm



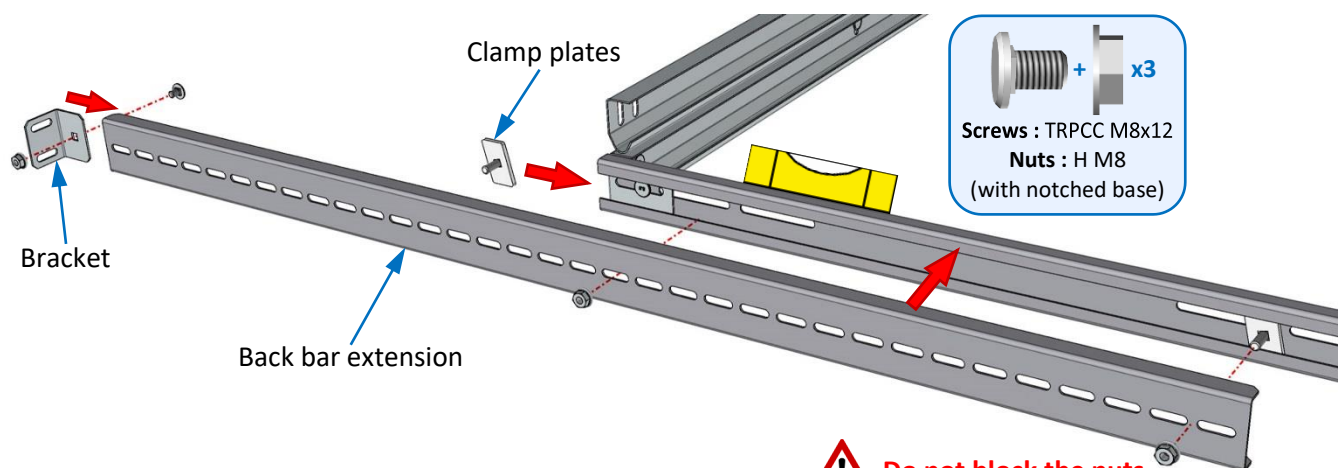
Back bar extension (option)

Reservation ≤ 300 mm



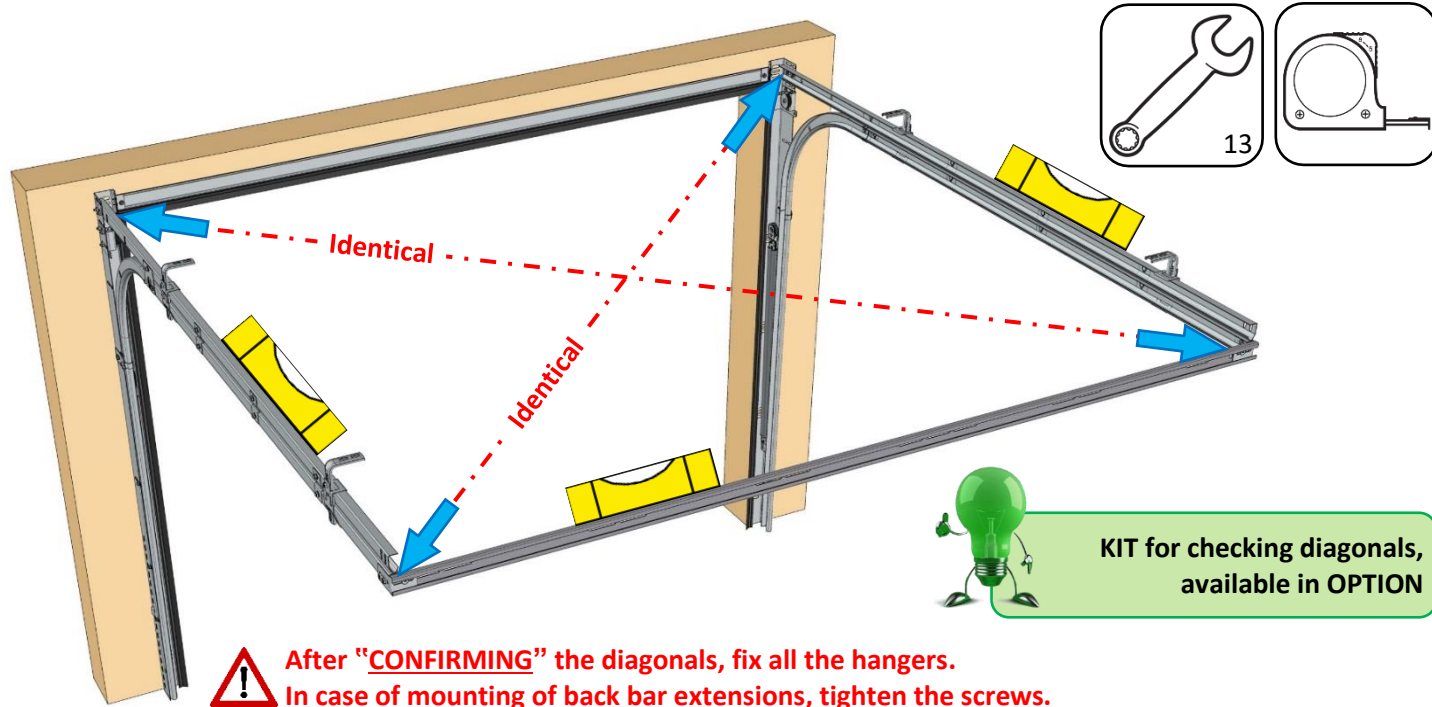
Repeat the process on the opposite side

300 mm < Reservation ≤ 1000 mm



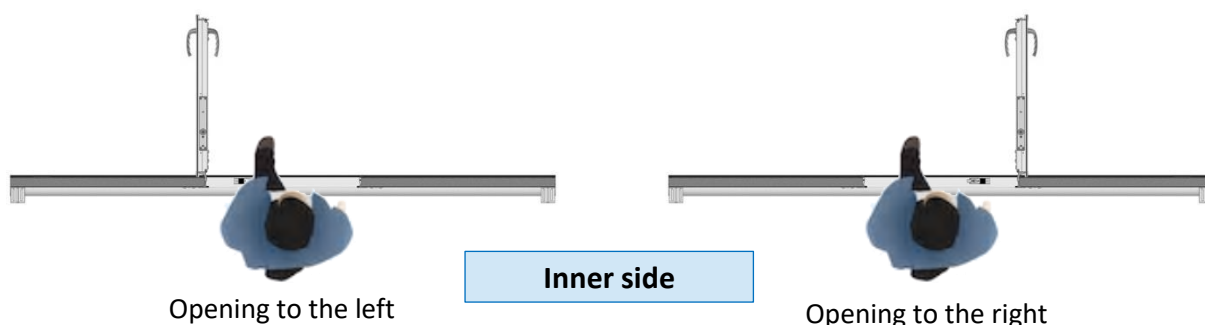
Repeat the process on the opposite side.

Checking the diagonals

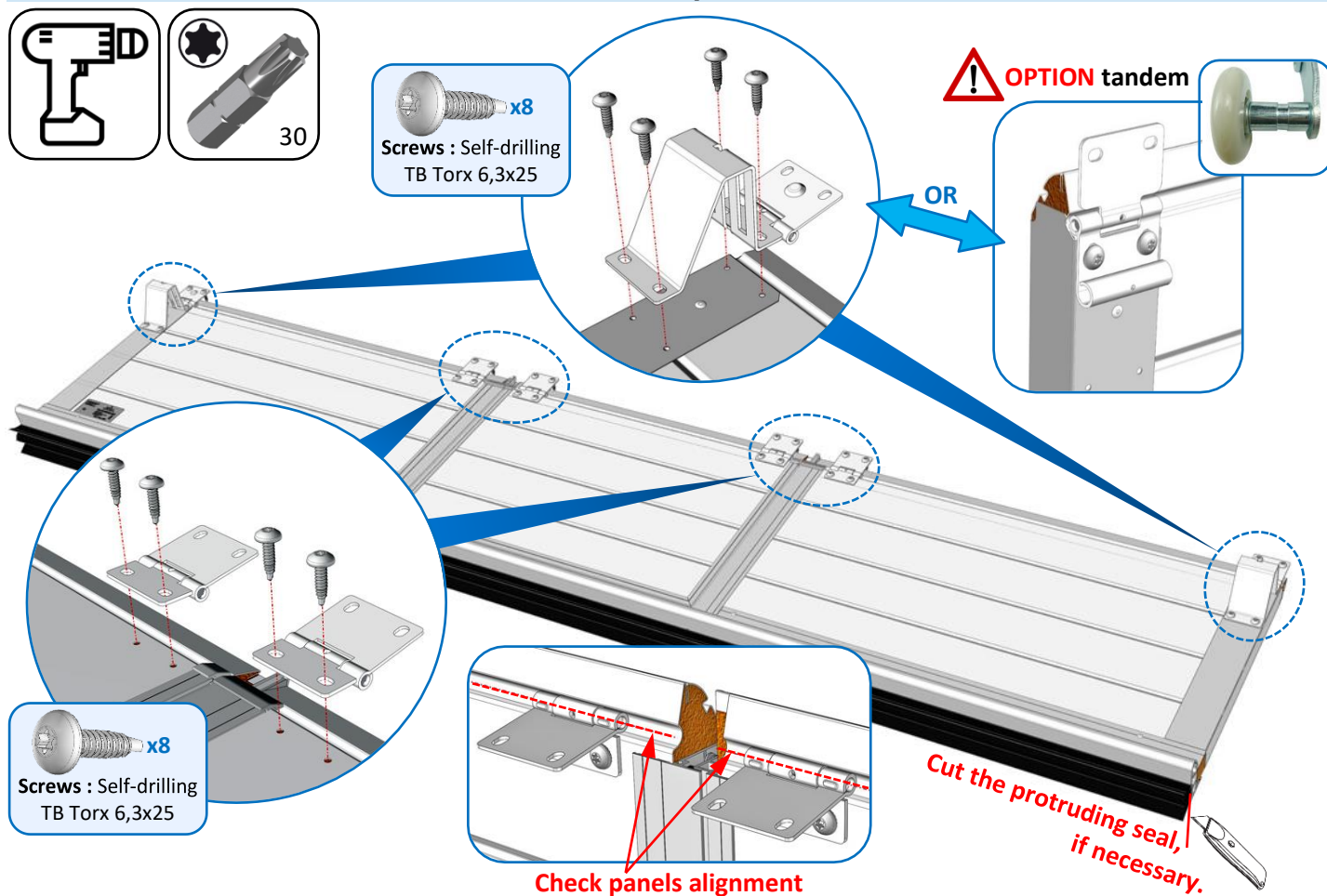


Panels preparation

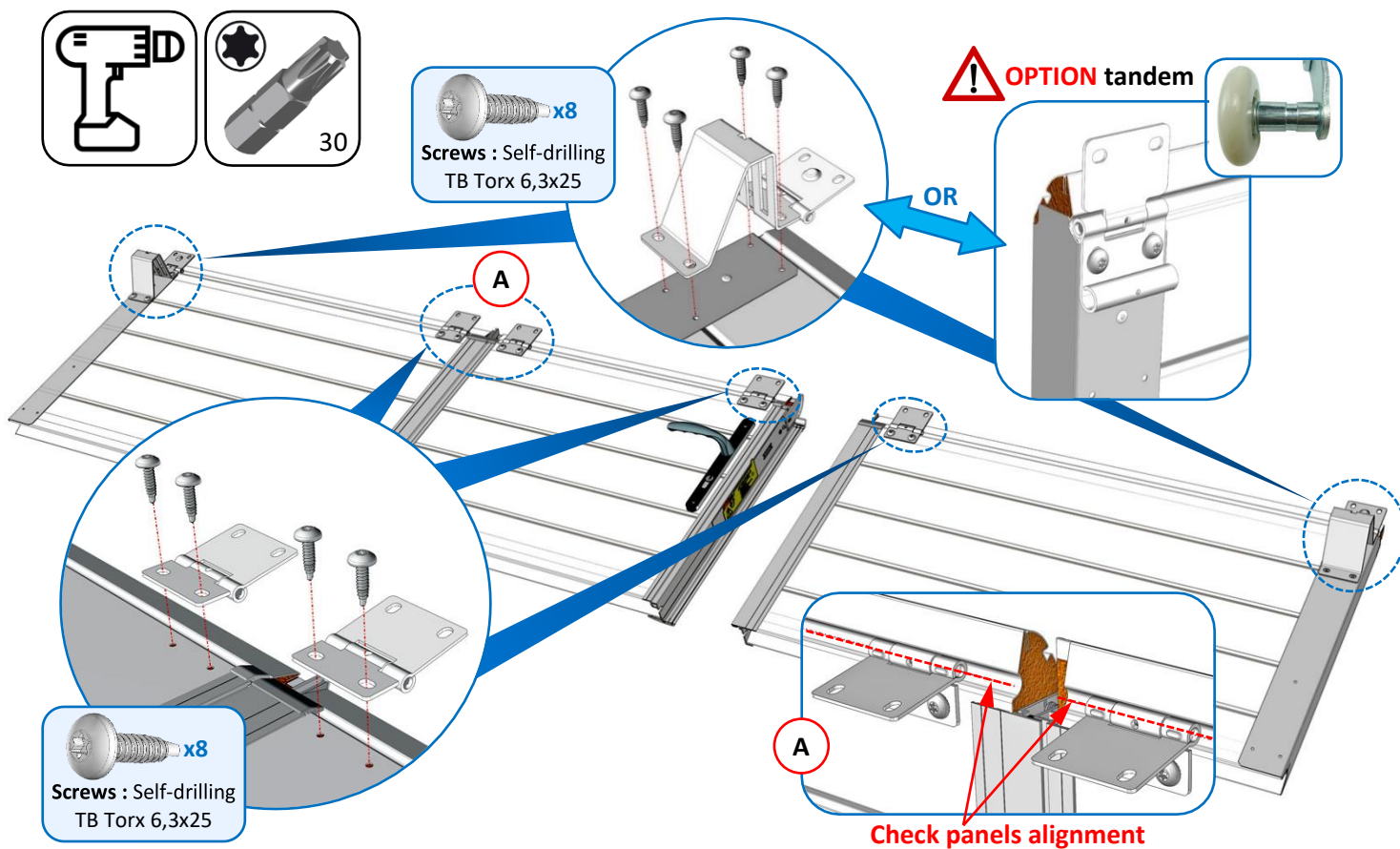
Identifying the opening direction



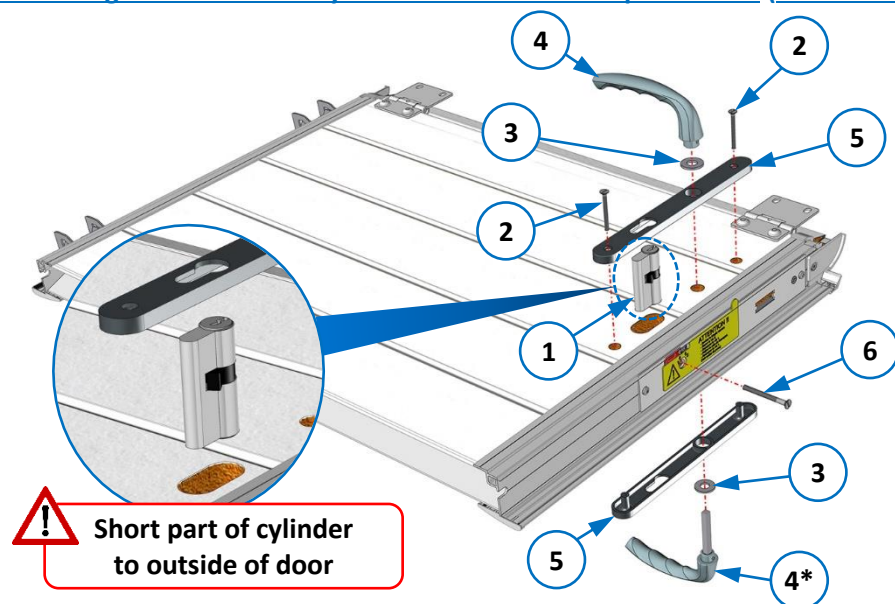
Bottom panel



Intermediate panel(s)



Assembling the handle and cylinder on intermediate panel no. 1 (recommended) :



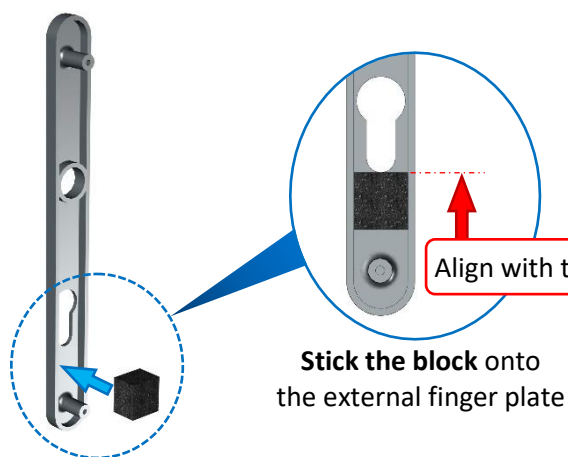
! Fix the finger plates screws on the inside of the door.

1. Bushing
2. Flat TF screws M4x50 (x2)
3. Shimming washer (x2)
4. Handle (x2)
5. Finger plate (x2)
6. Screws M5x75 (adjust if necessary)

! If OH ≤ 130 mm, assemble the reduced handle 4* on the outside.

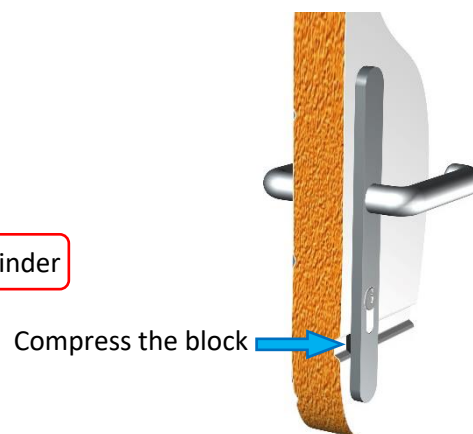
! Short part of cylinder to outside of door

Specific case : Single-grooved panel



Align with the passage of the cylinder

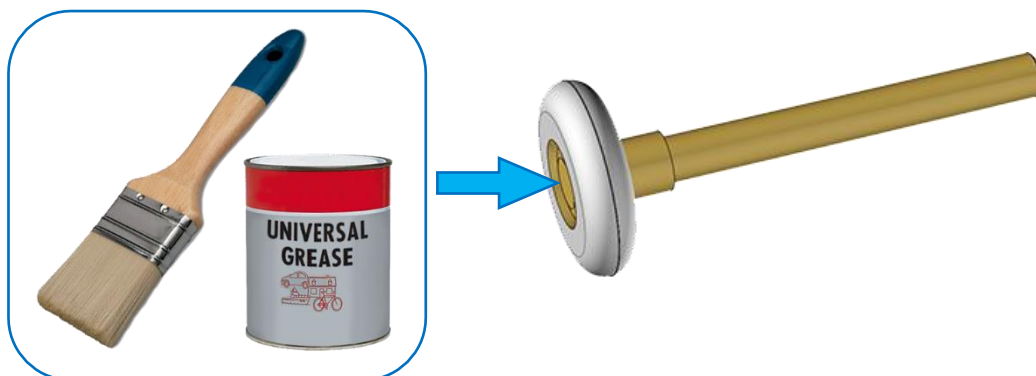
Stick the block onto the external finger plate



Compress the block

Mounting of the panels

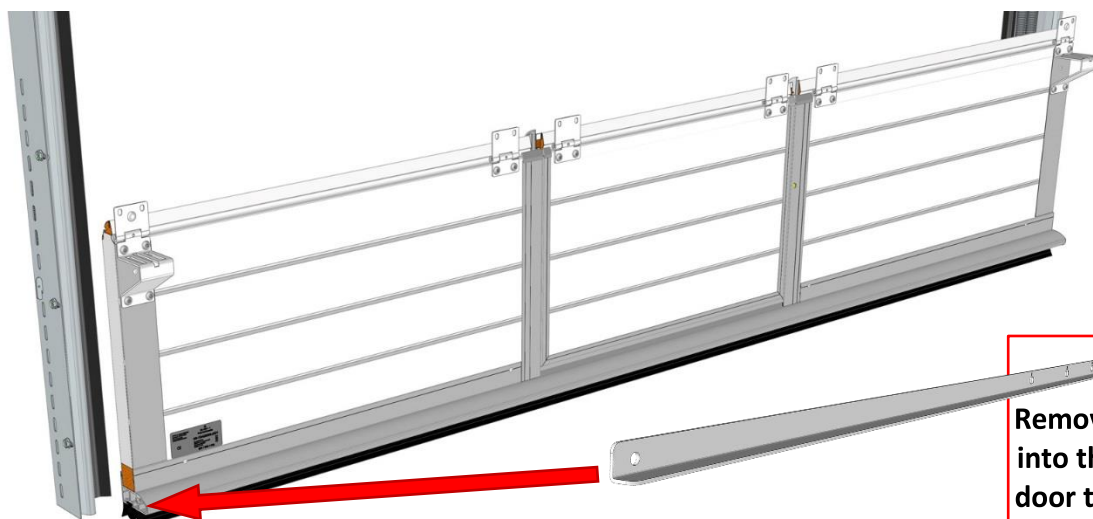
Grease all roller shafts



Bottom panel installation illustrated with standard 60 mm threshold

 Specific informations, if reduced 30 mm threshold

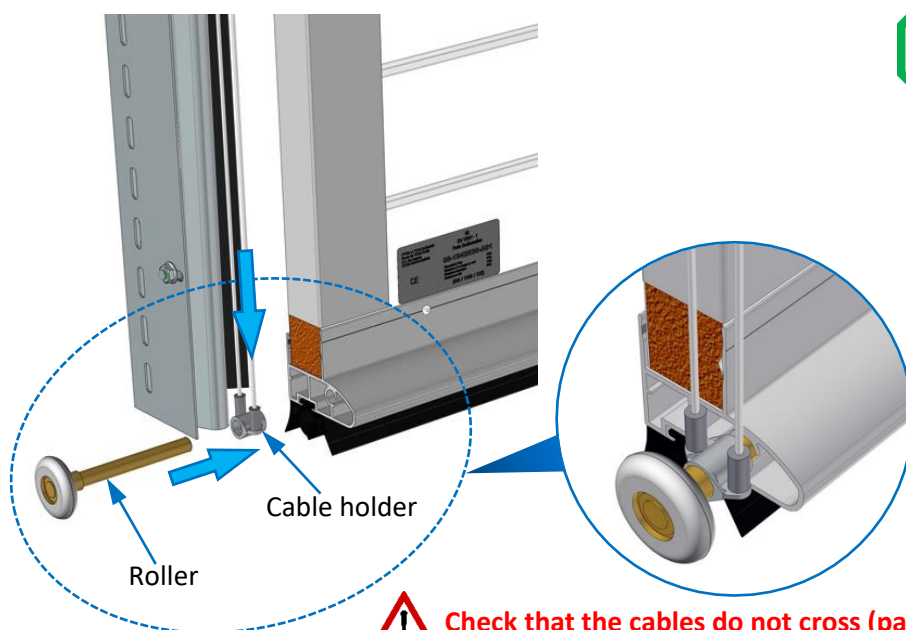
Position the panel in front of the rails :



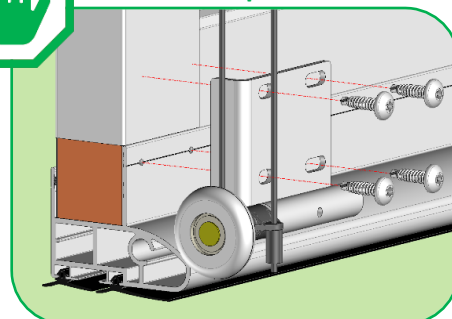
IMPORTANT

Remove the corner piece fixed into the left side of the wicket door threshold (interior view).

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

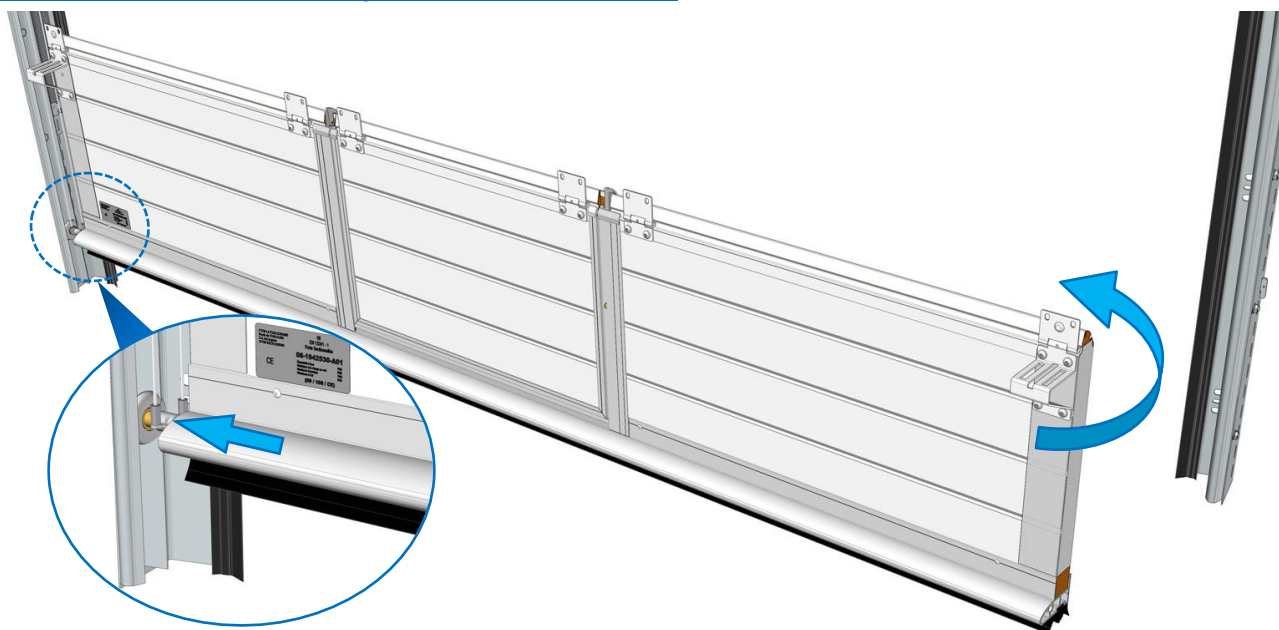


If reduced 30 mm threshold
= Low suspension

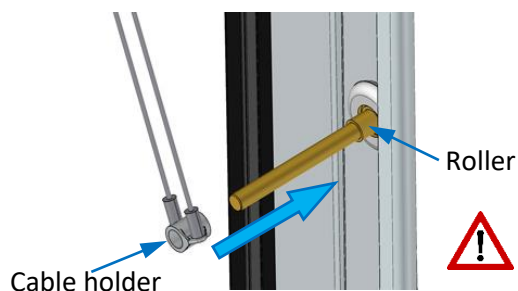


 Check that the cables do not cross (parallel cables).

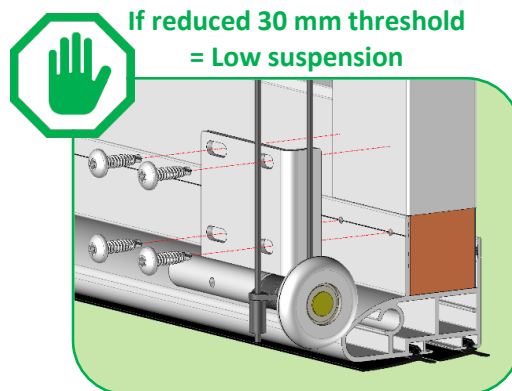
Insert the « roller/cable holder assembly » in the LEFT vertical rail :



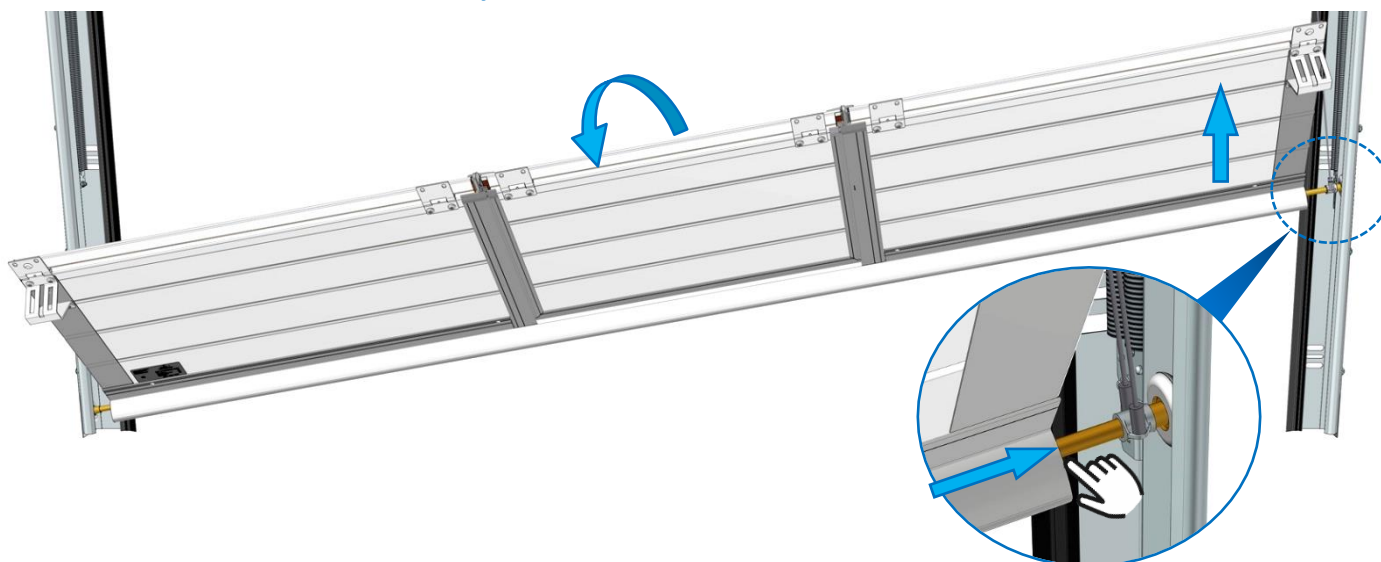
Insert the « roller » and « cable holder » in the RIGHT vertical rail :



⚠ Check that the cables do not cross (parallel cables).



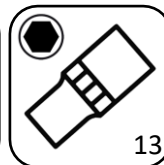
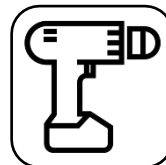
Insert the « roller/cable holder assembly » in the threshold :



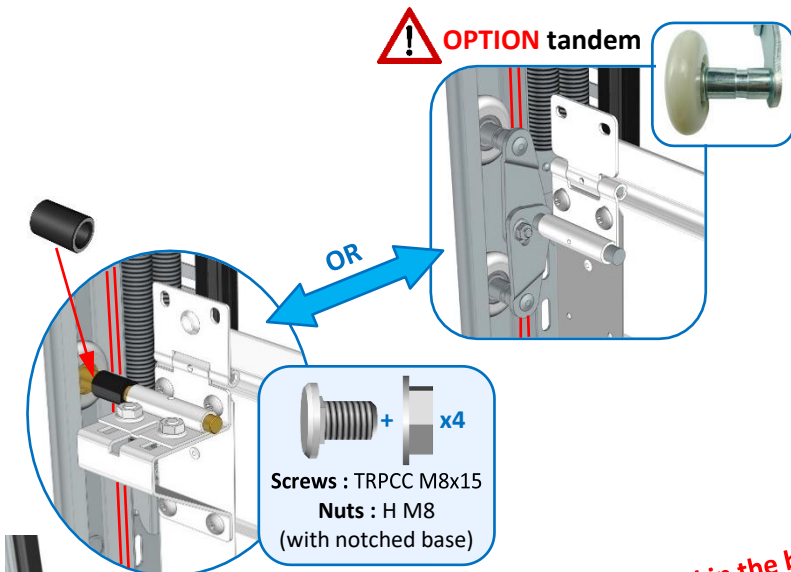


When mounting each panel :
Do not jam cables between panels and rails.

Insert shims and finalize the guides :



OPTION tandem



Remove the transport strap

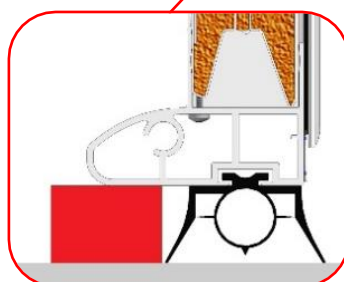


Center the panel in the bay

Center the shim on the wicket door



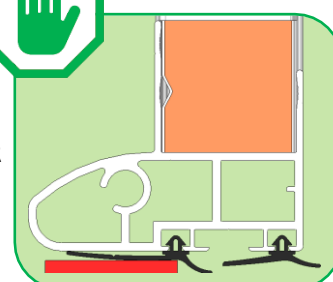
To install the bottom panel at the correct level, **place shims (not supplied) high enough under the threshold** to avoid flattening the bottom seal when assembling the panels.



**Standard 60 mm threshold
= Shim height 40 mm**

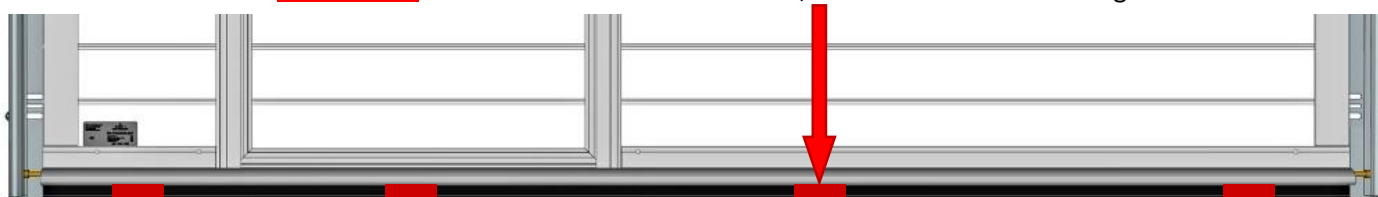


OR



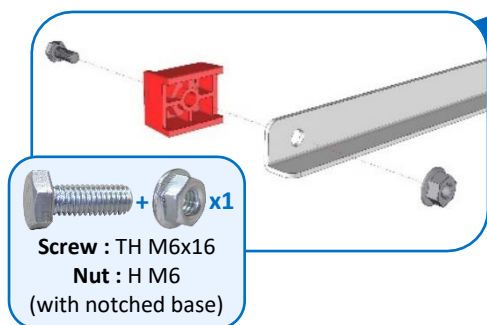
**If reduced 30 mm threshold
= Shim height 10 mm**

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



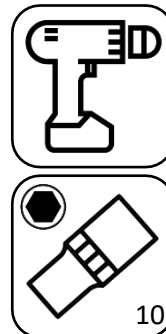
Insert shims and check the wicket door :

1- Prepare the control jig :

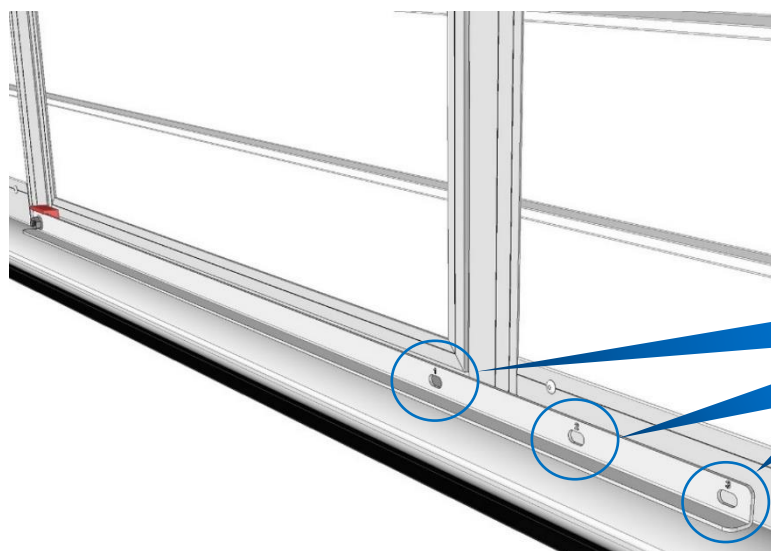


Fixed side : Assemble the stop and fully tighten the nut.

IMPORTANT
The corner piece is fixed into the left side of the wicket door threshold (interior view).



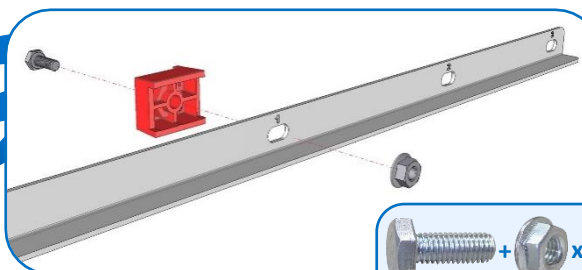
2- Position the jig on the threshold of the wicket door :



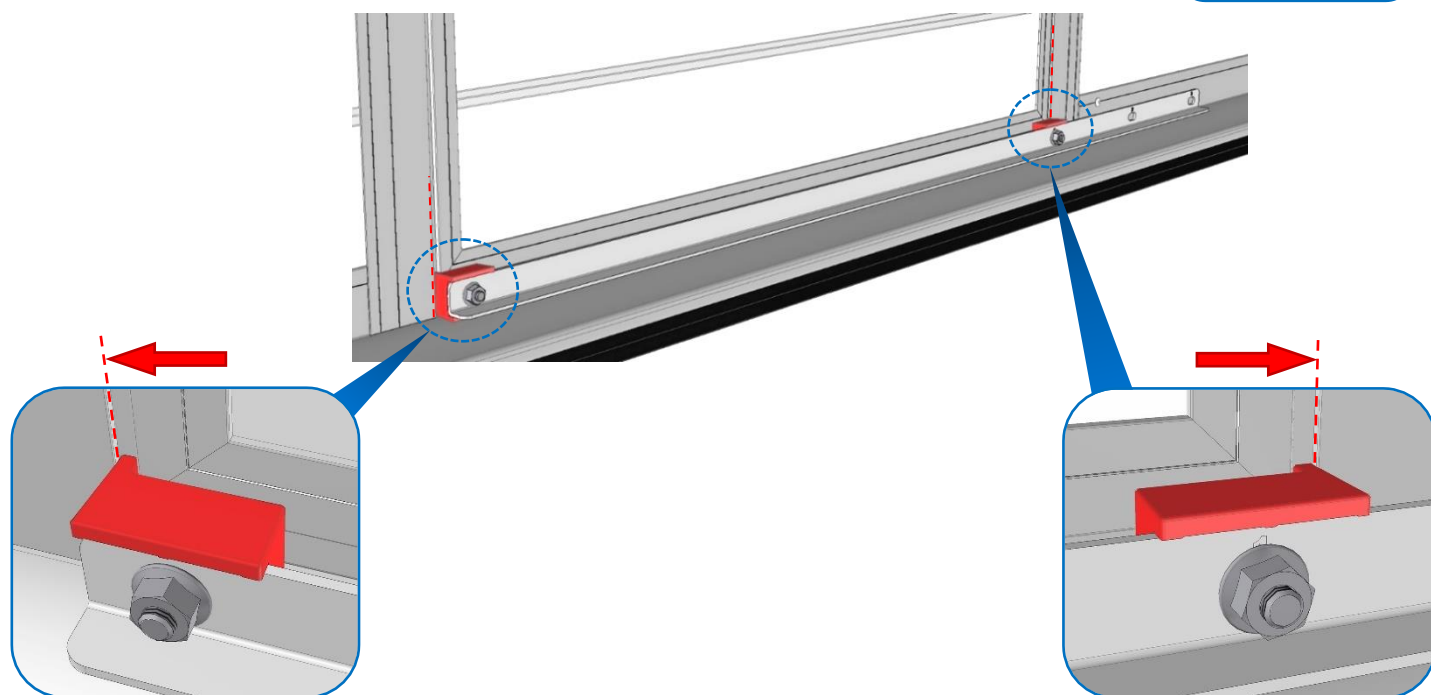
Mobile side :

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



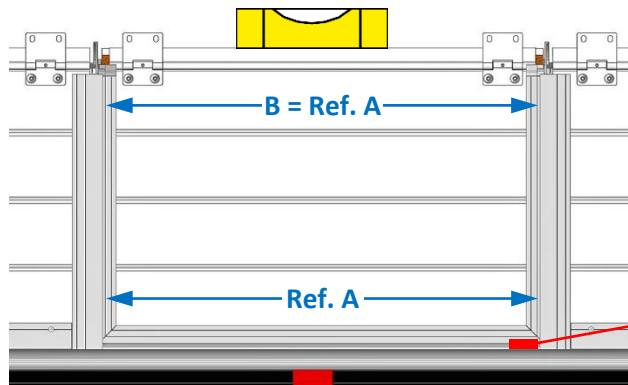
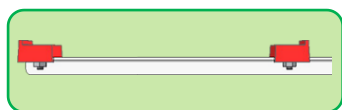
Please note : The stops must but up against the frame :



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



Check top and bottom profile spacing



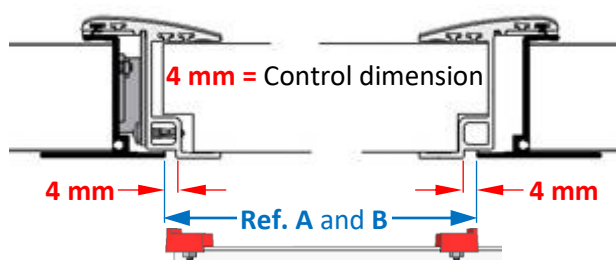
8 mm shim,
present on lock side



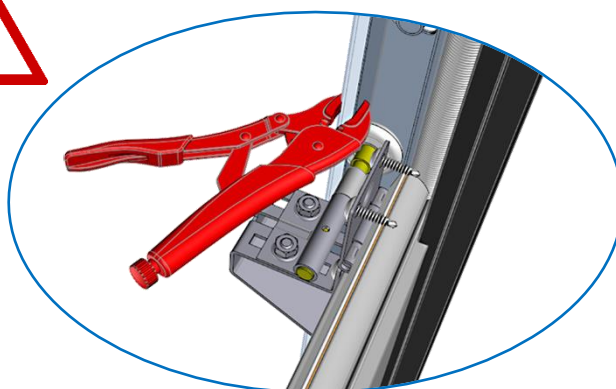
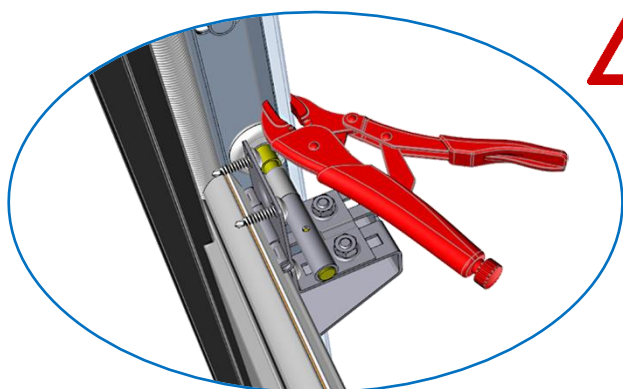
Do not remove



For B = Reference A, adjust the thickness of the shim.

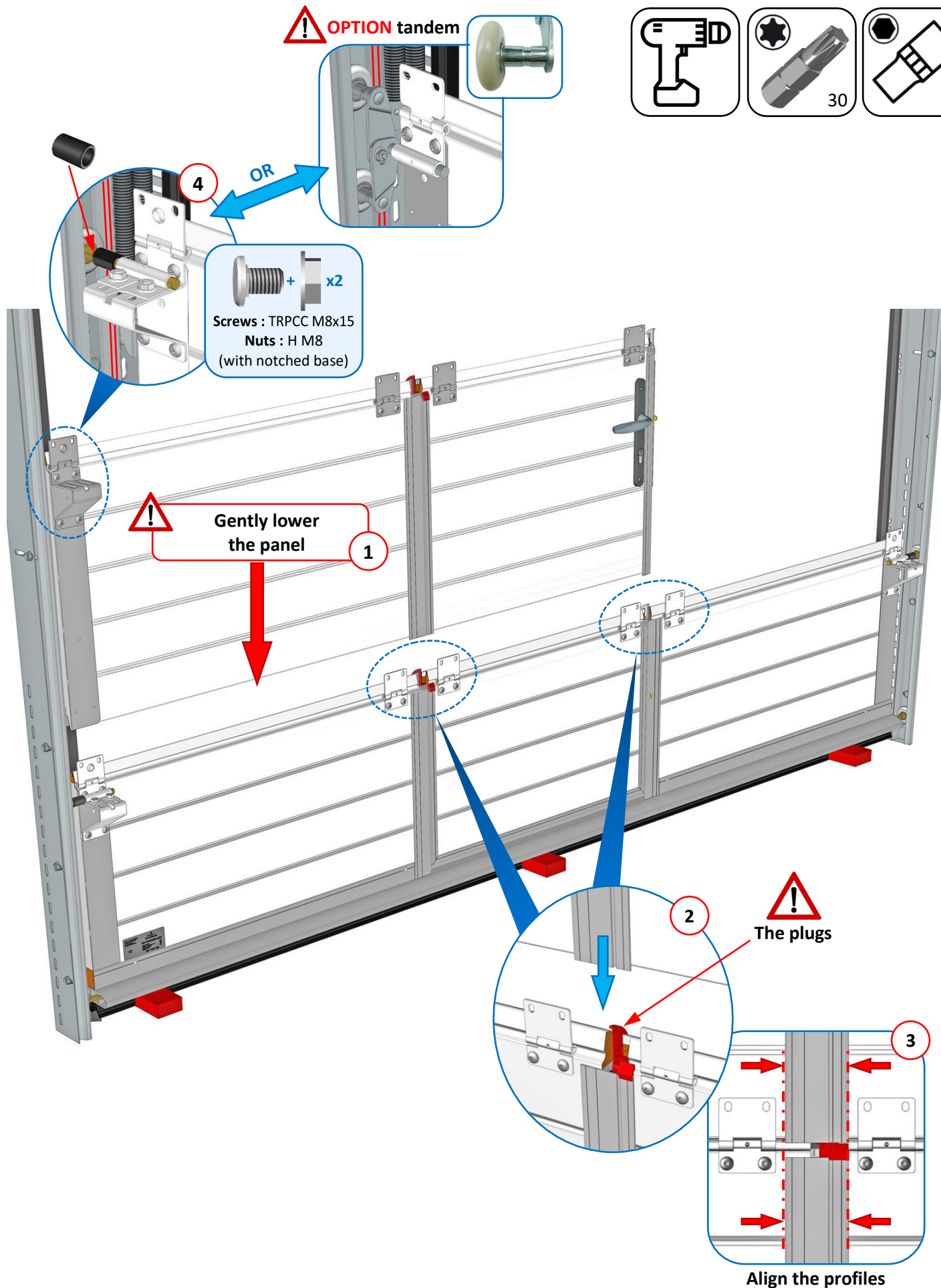
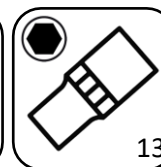
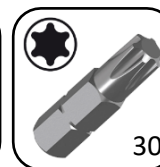
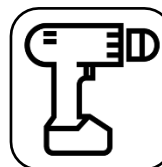


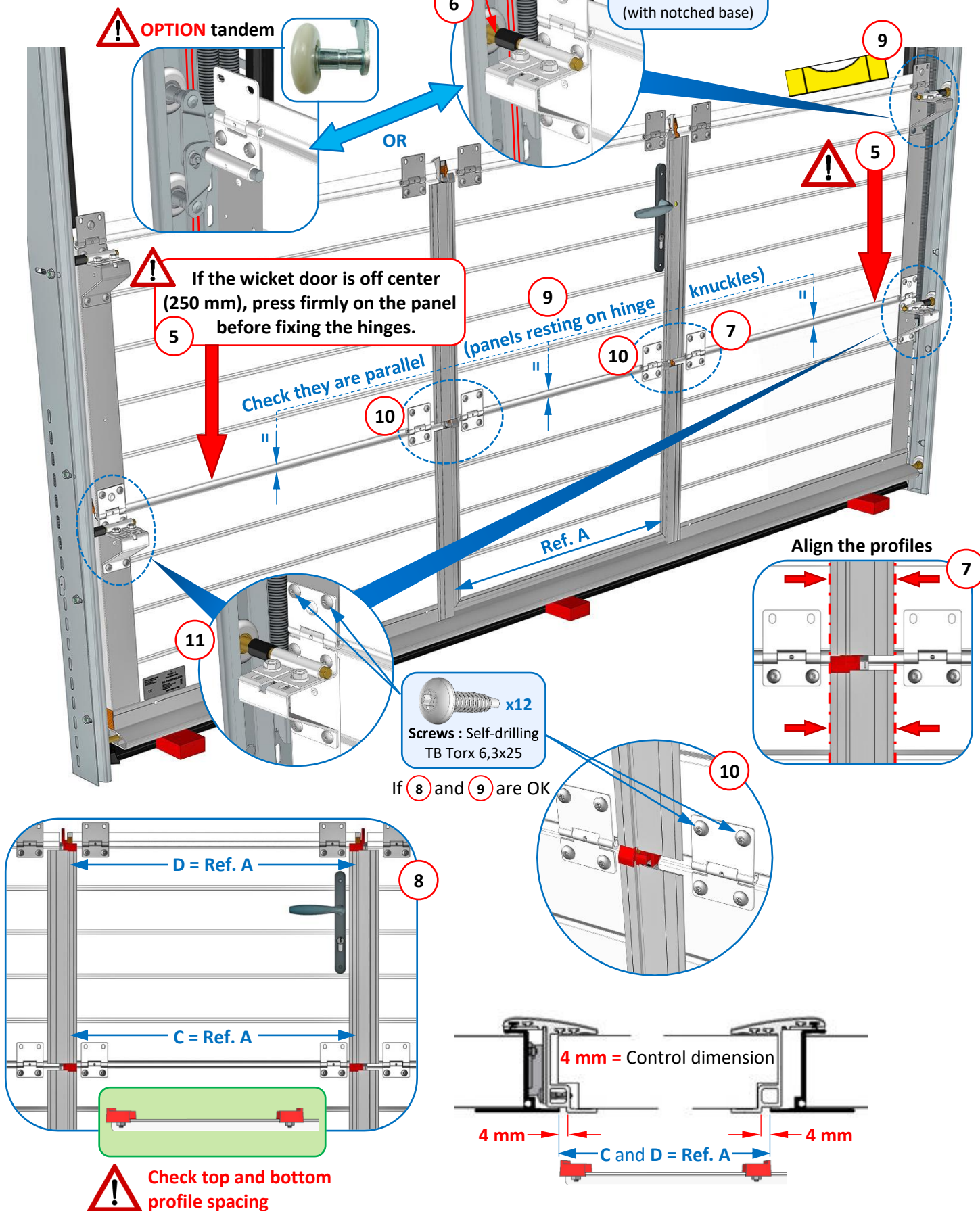
Secure mounting of the panels on both sides



Installing intermediate panel 1

! OPTION tandem



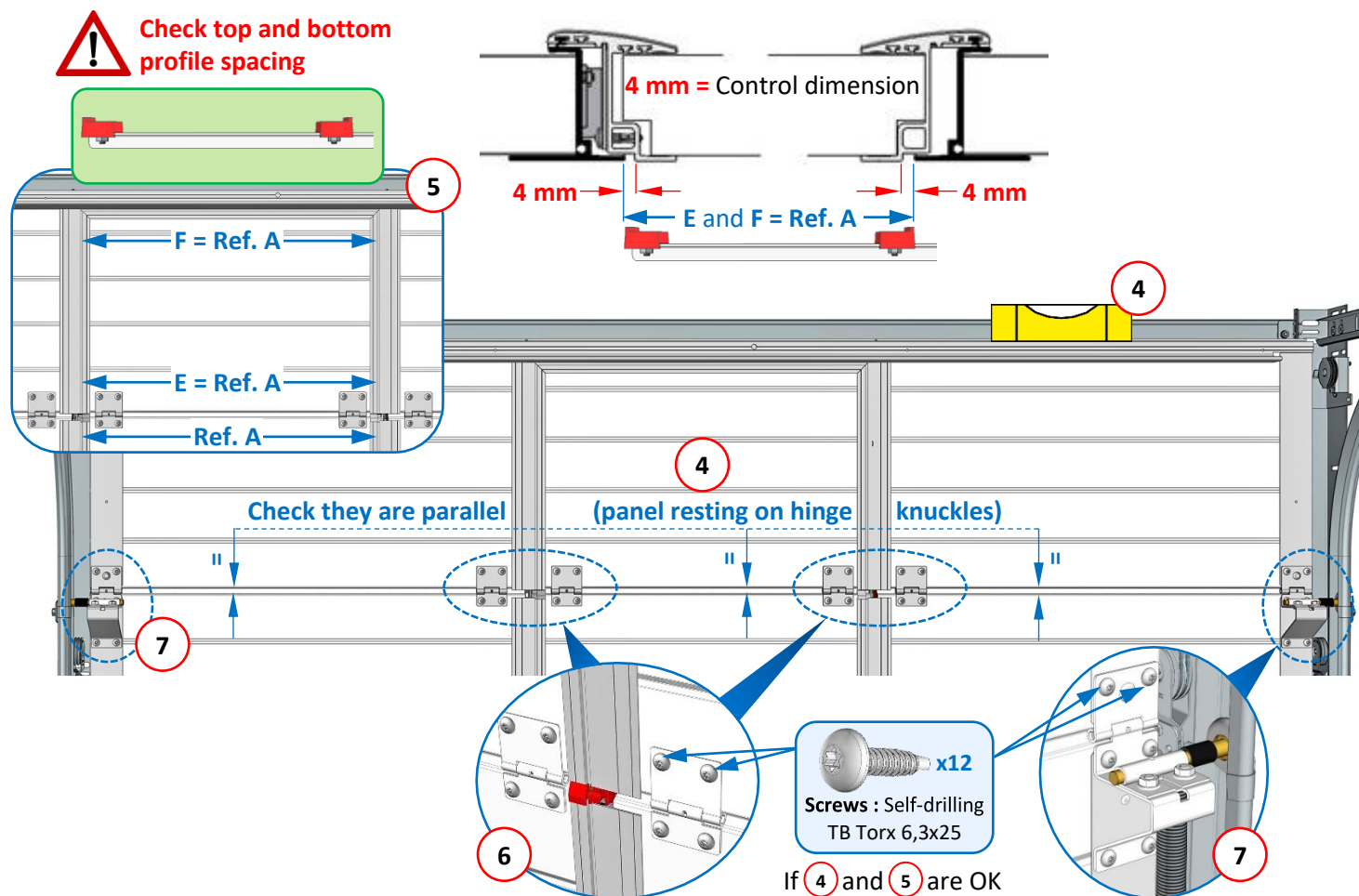
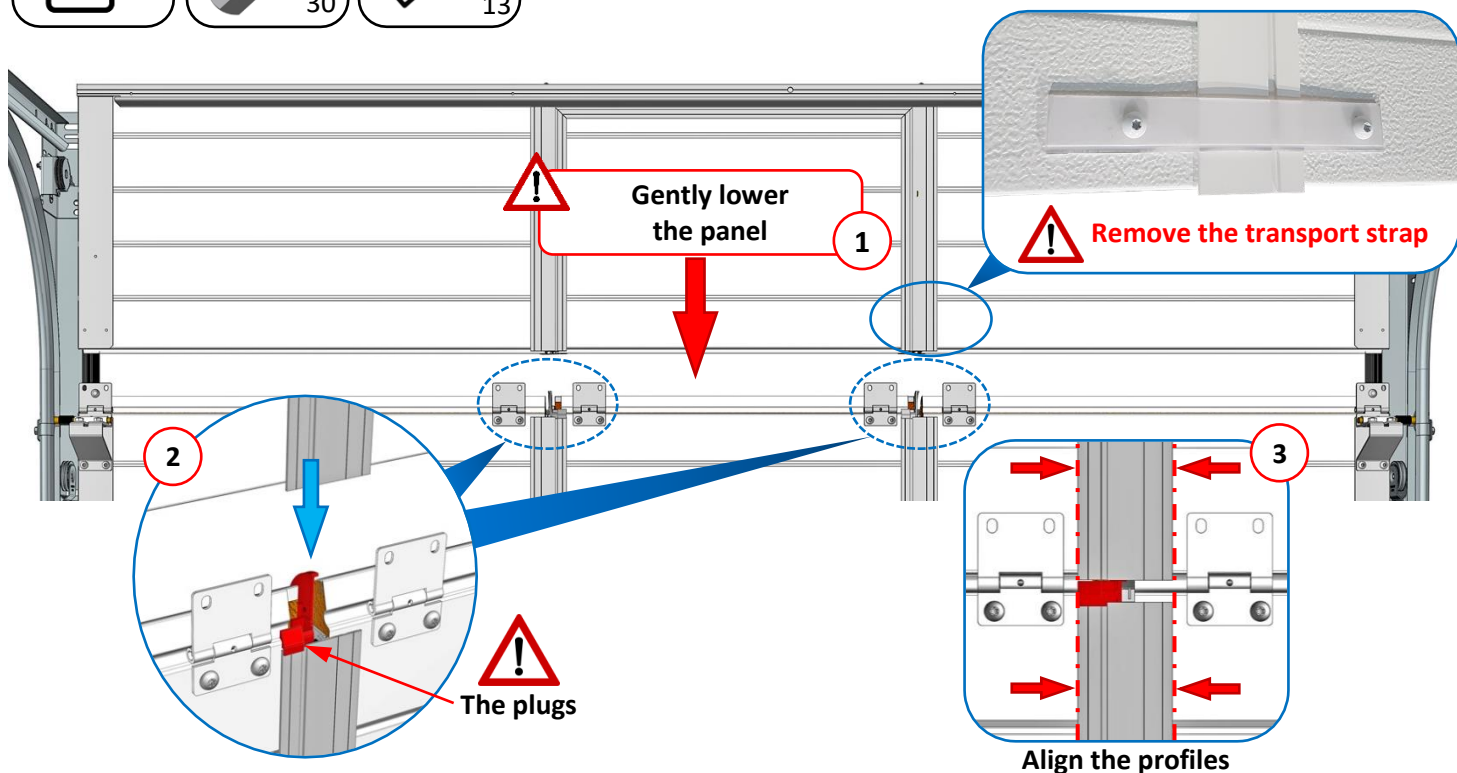


Please note : If installing intermediate panel 2, follow the same procedure as for intermediate panel 1.

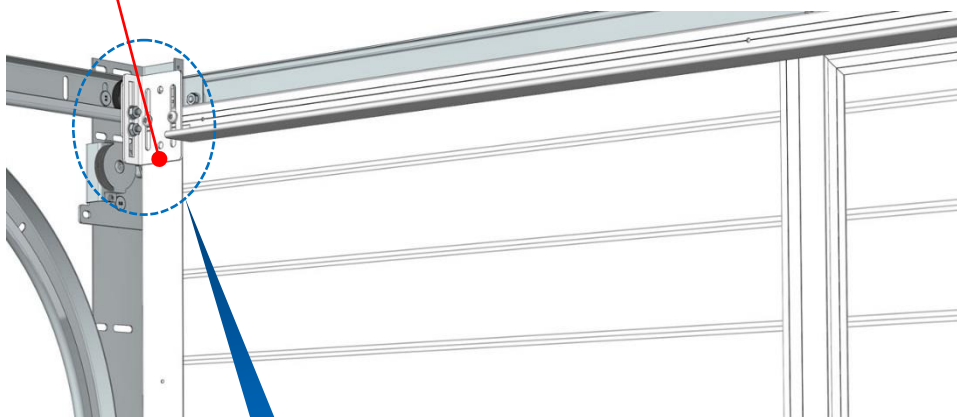
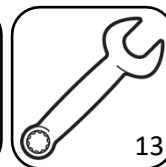
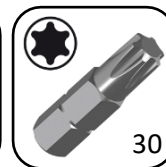
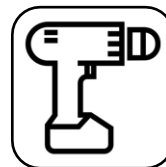
Installing the top panel



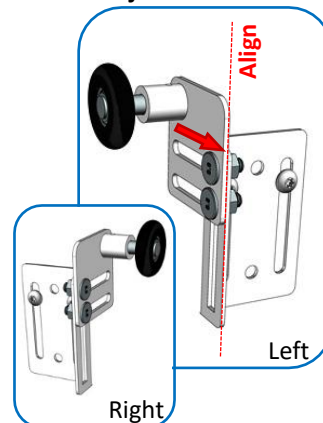
If the wicket door opener is less than 50 mm from the header, adjust the door closure before assembling the wicket door top panel. Refer to the « **WICKET DOOR FINALIZATION** | Door closure adjustment » chapter.



IMPORTANT : Remove the transport rivet from the edged column, so that the top roller support rests on a flat surface (identical process on opposite side).

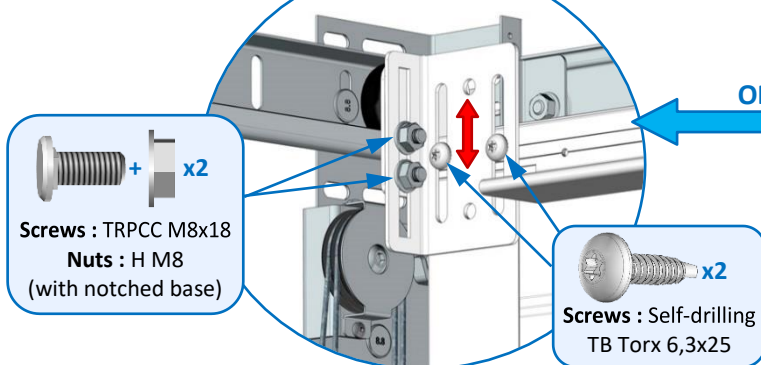


Assemble the adjustable rollers



MOTORISED door

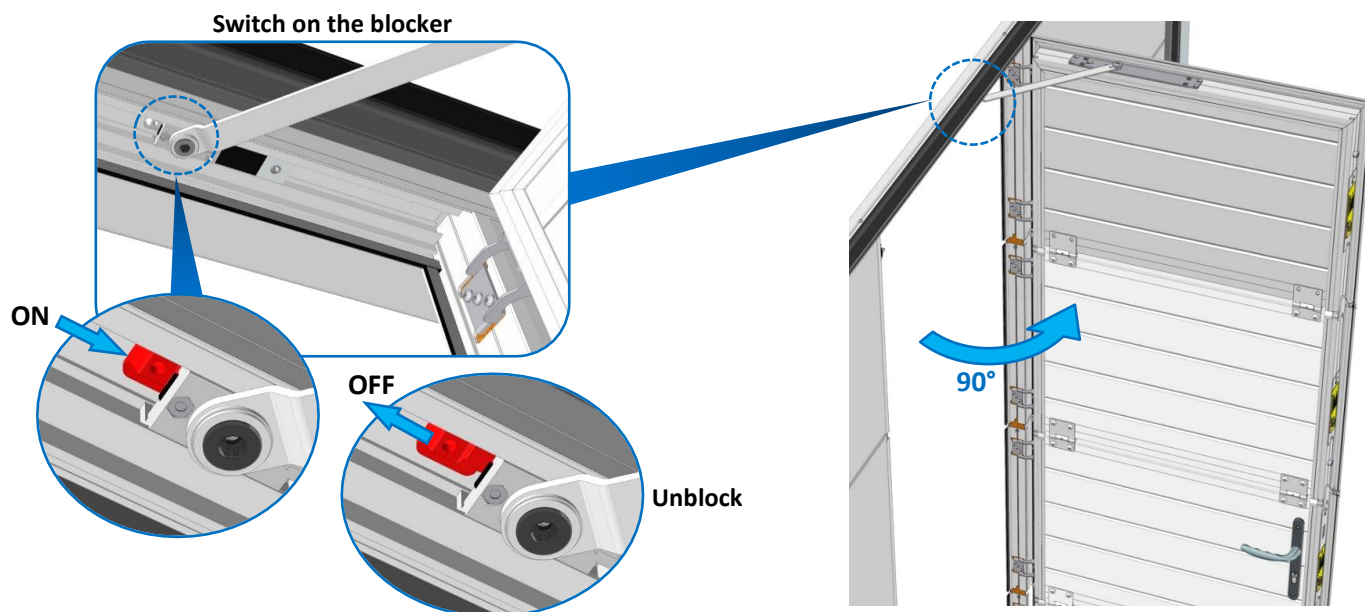
MANUAL door



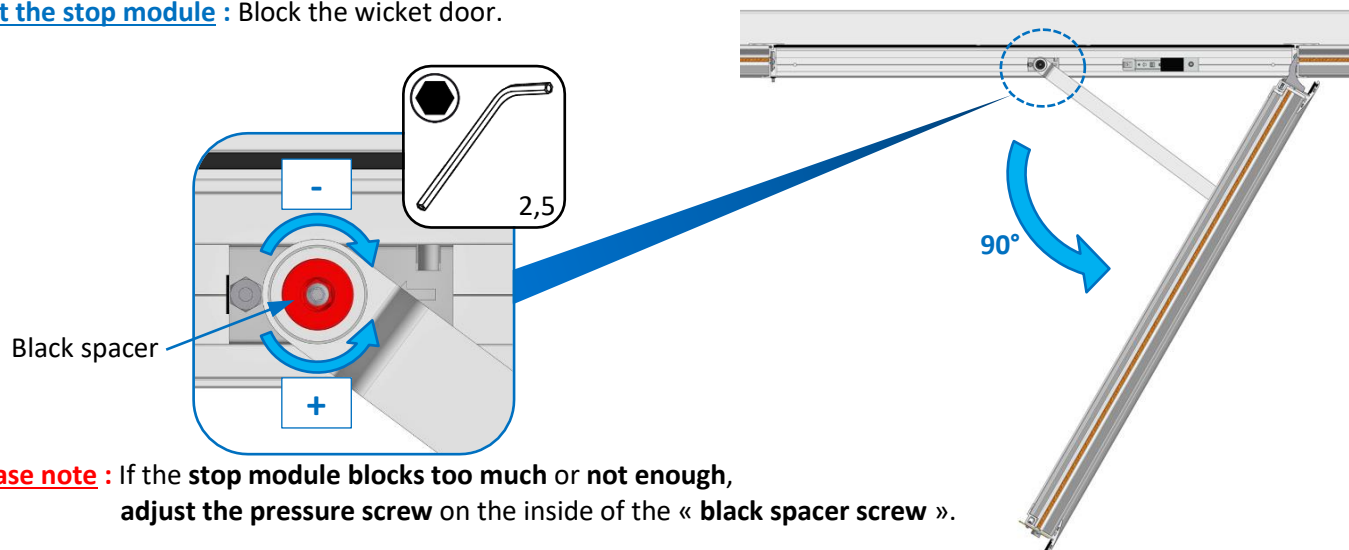
Repeat the process on the opposite side.

Wicket door finalization

Adjusting the stop module

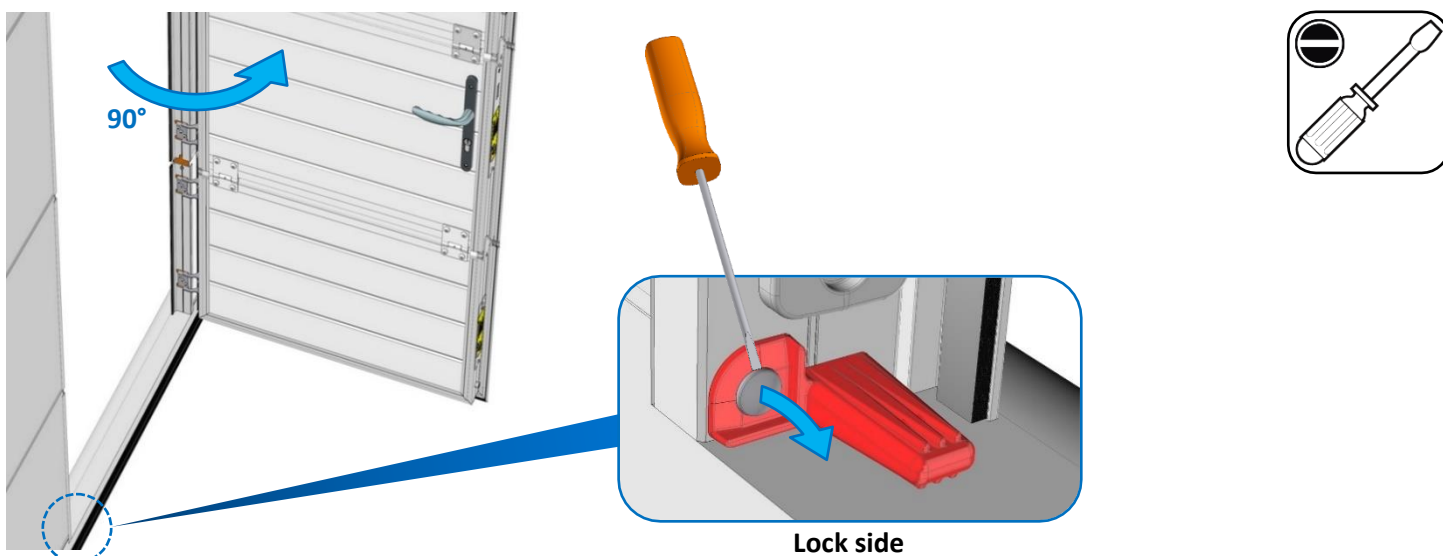


Test the stop module : Block the wicket door.



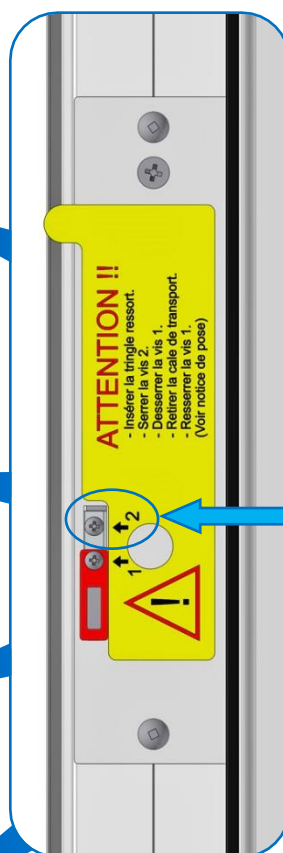
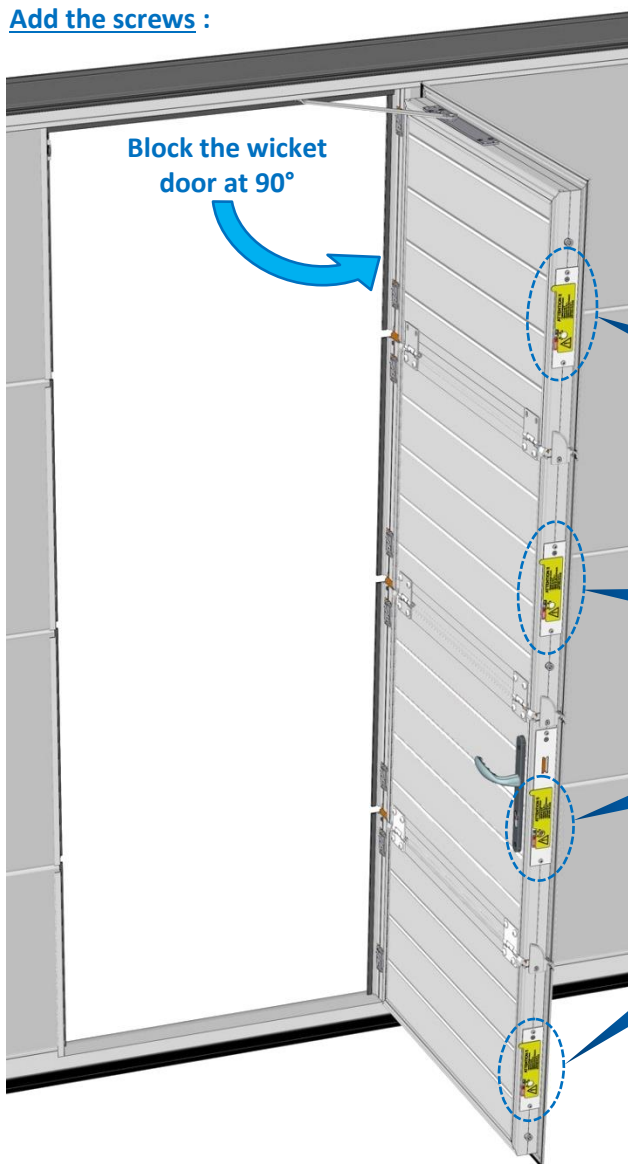
Please note : If the stop module blocks too much or not enough, adjust the pressure screw on the inside of the « black spacer screw ».

Remove the shim



Installation of the rod

Add the screws :

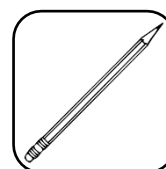
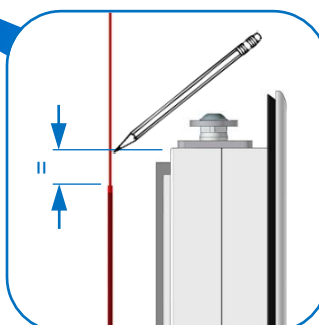
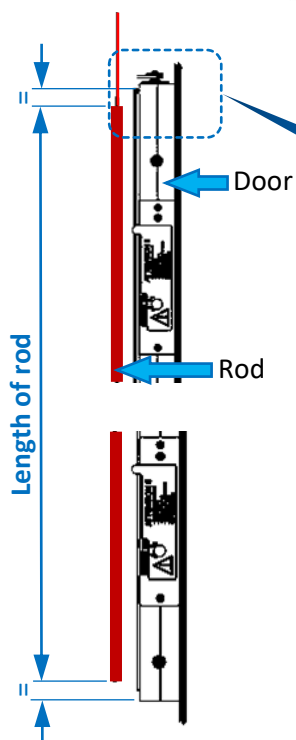


TB Phillips screw M3x6 (supplied)



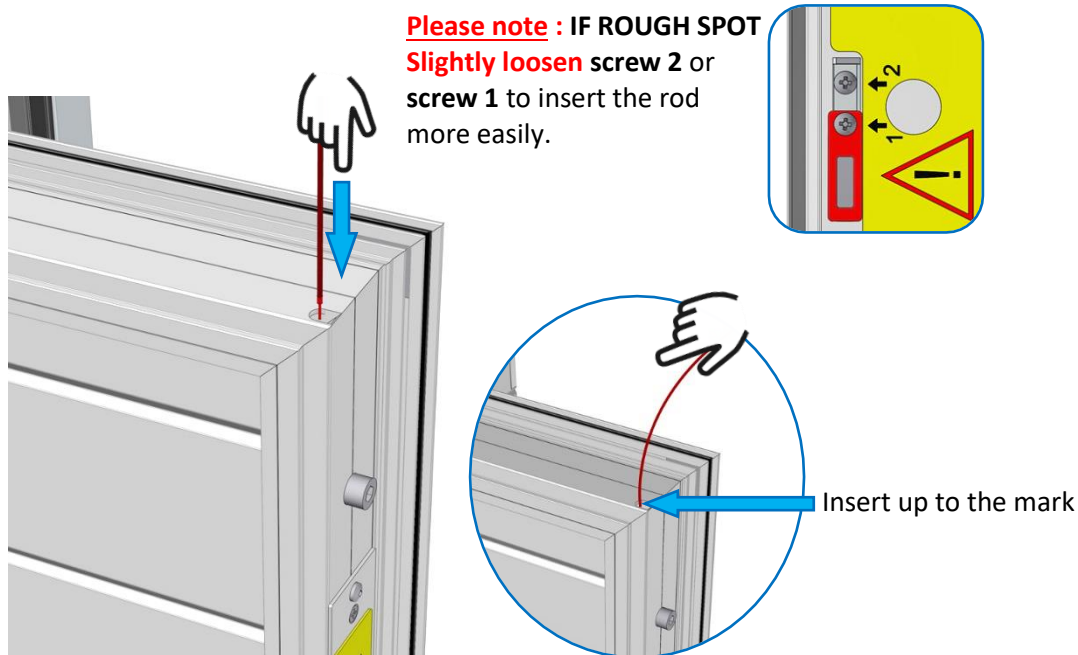
Do not tighten

Identify the rod :

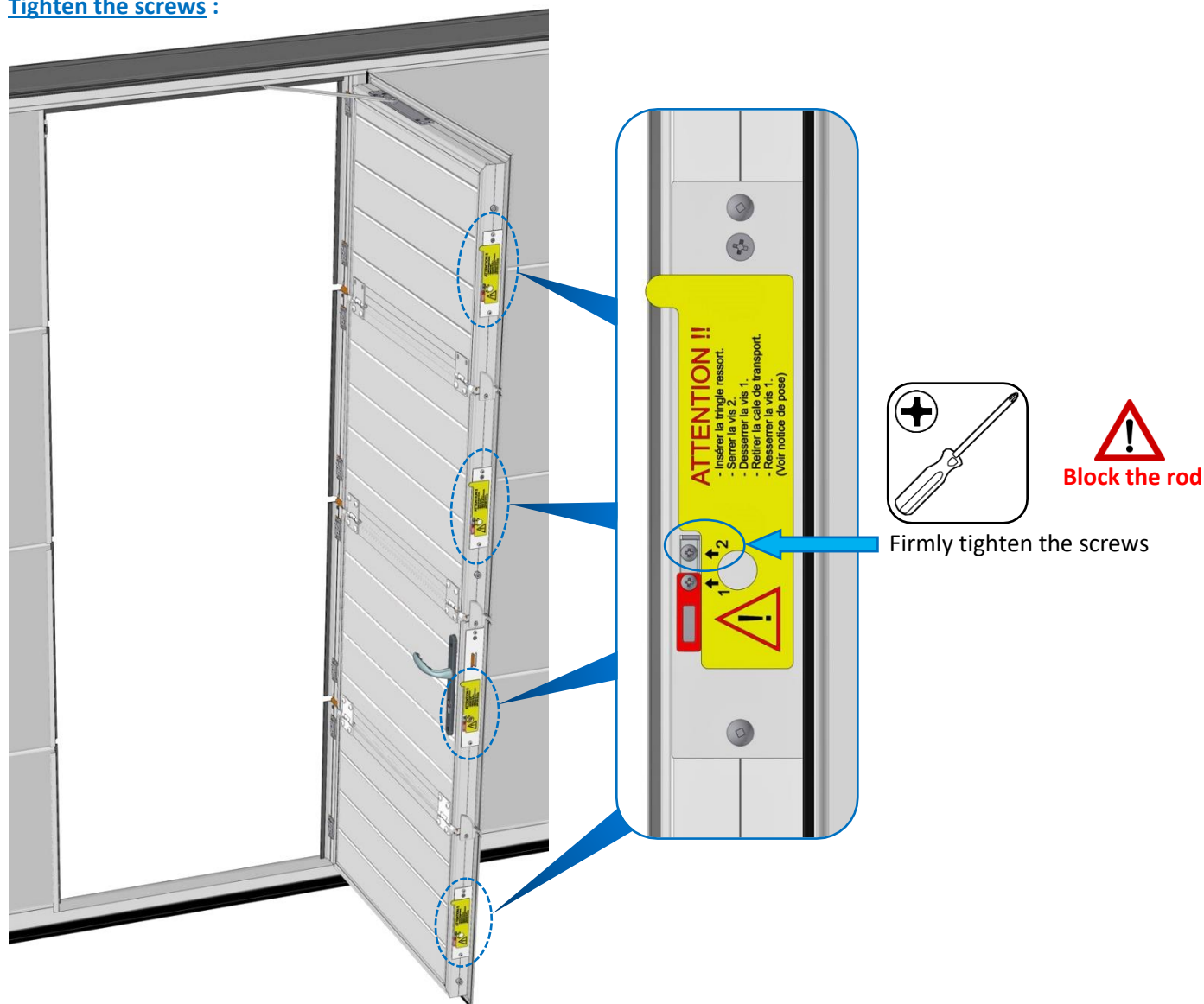


Mark out the rod

Insert the rod :

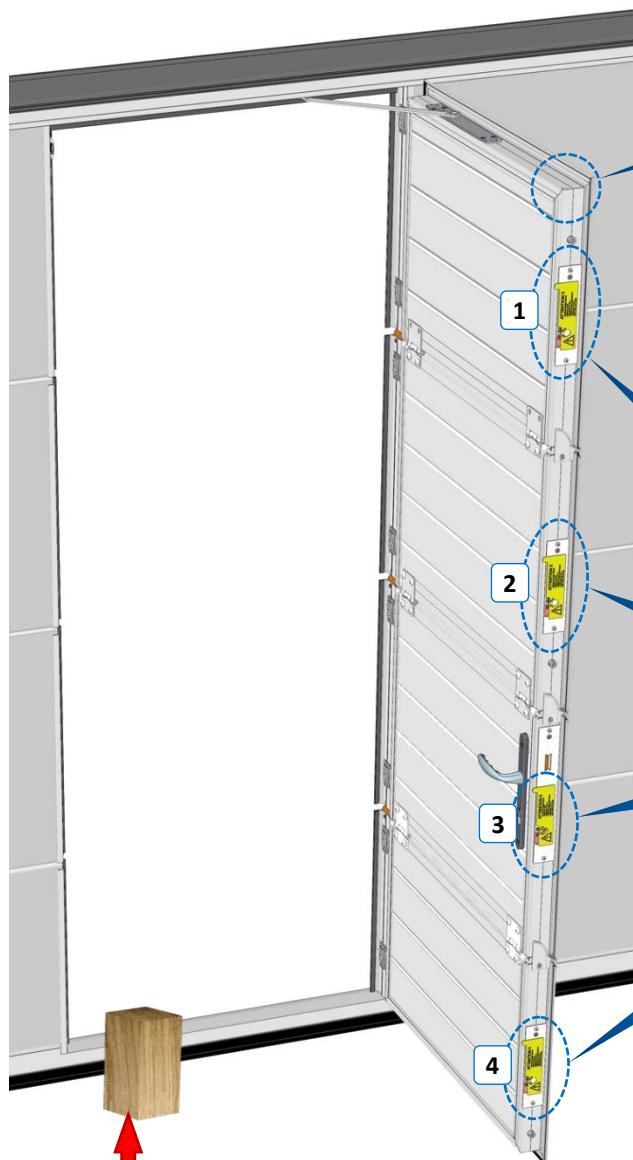
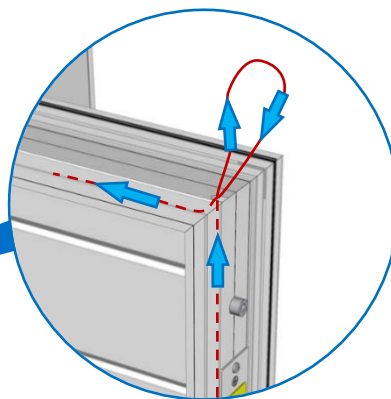


Tighten the screws :



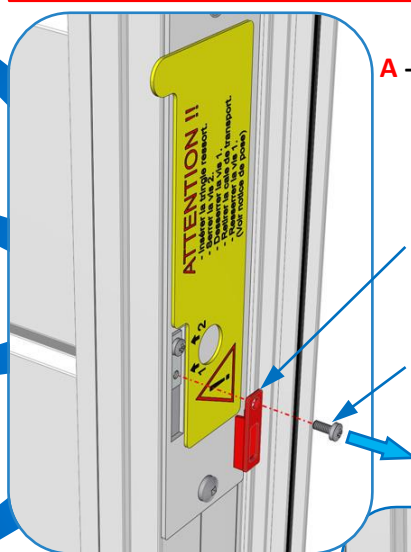


Reinsert the cable



IMPORTANT : For points 1, 2, 3 and 4, carry out steps A and B, for each shim.

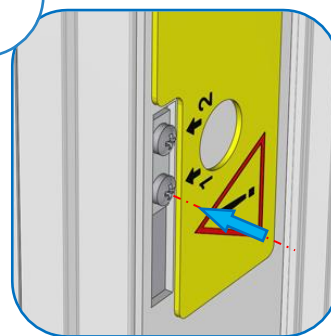
A - Remove the locking shim



Locking shim

TB Phillips screw M3x6

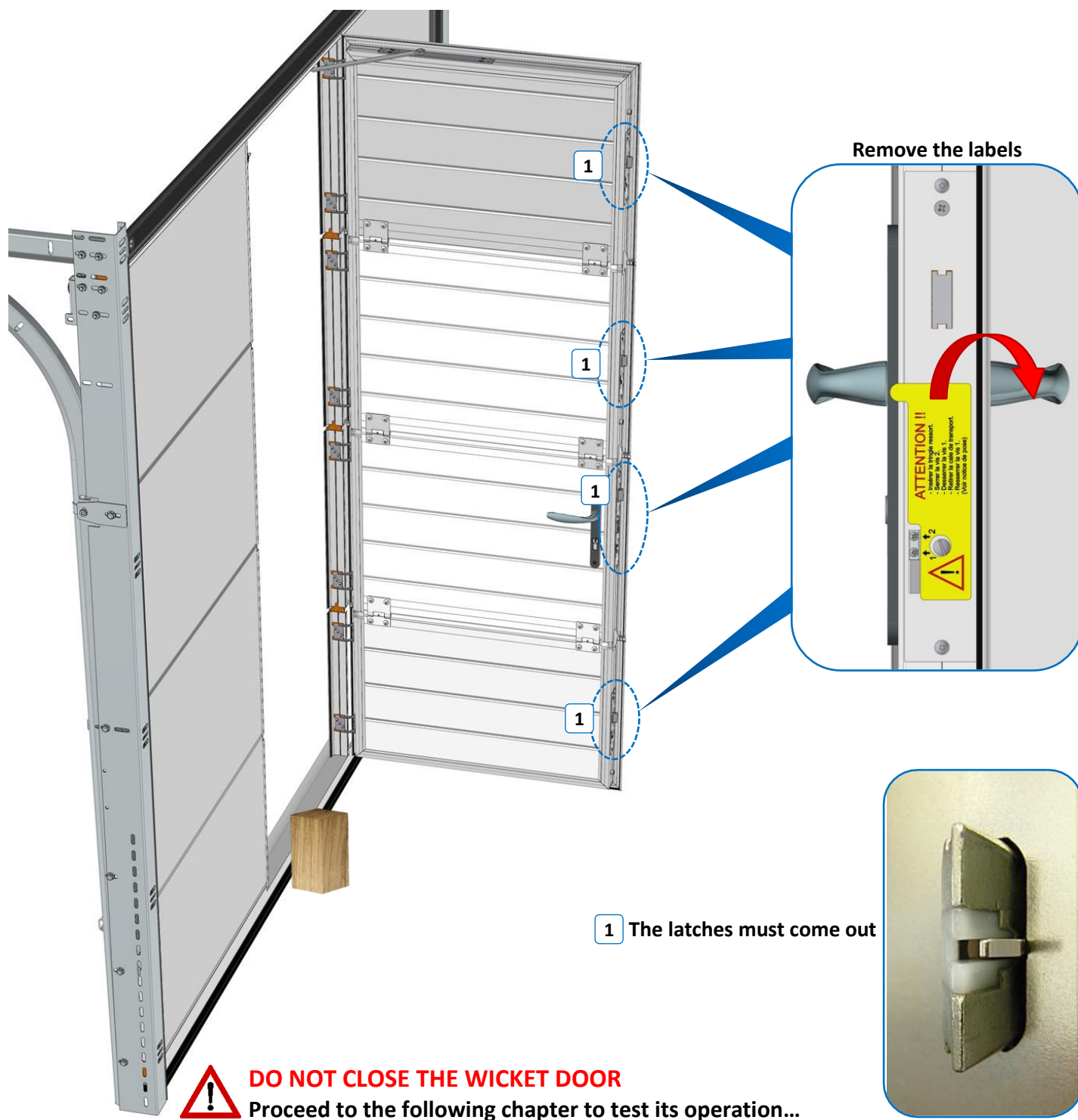
B - Screw back in and fully tighten



IMPORTANT : Place an obstacle in the wicket door path, to prevent its closure.

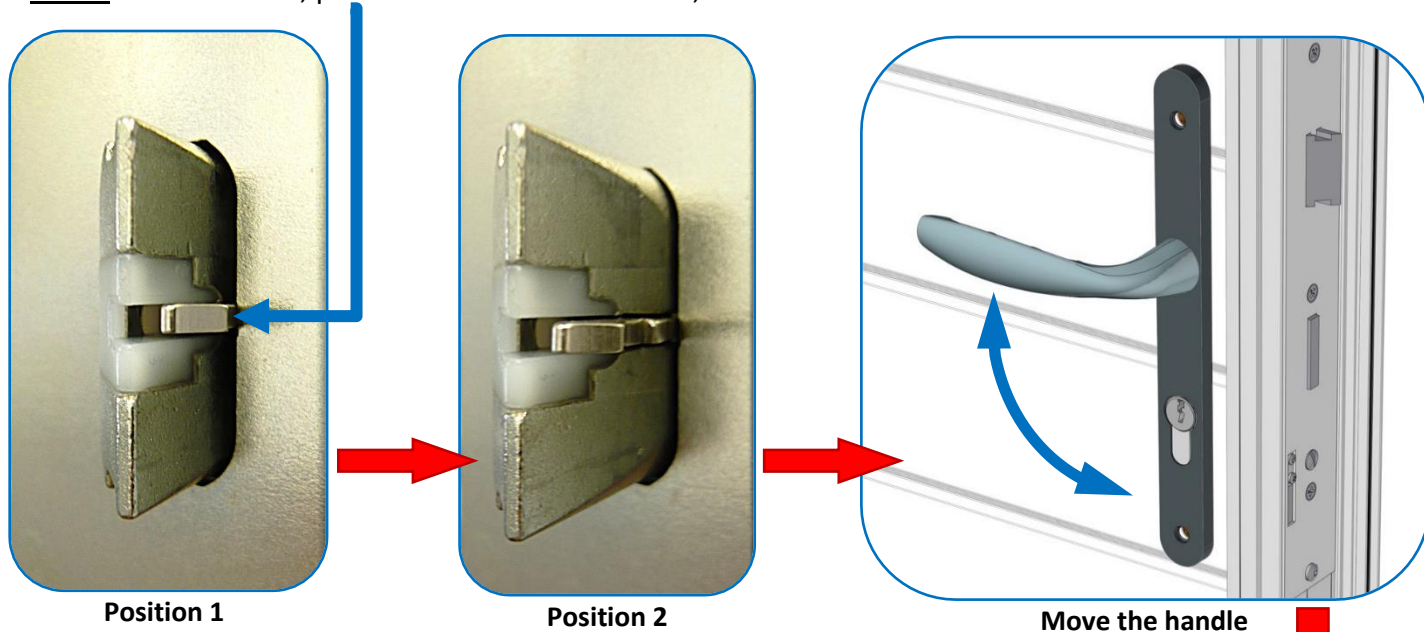
Leave it there until completing the « **box operation tests** ».

Activating the lock



Boxes operation test

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



IMPORTANT :

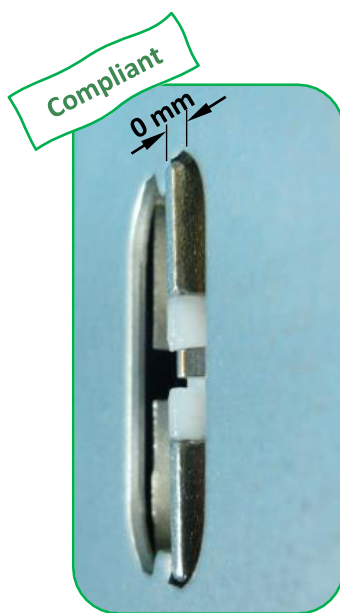
All the latches must go in and come out simultaneously and then return to POSITION 1.

Repeat the test 2 to 3 times...

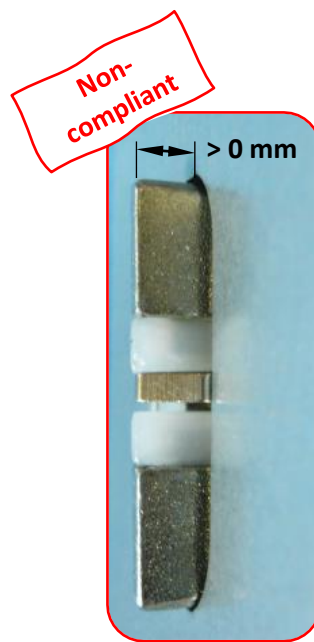
- **Test 2 :**



Move the handle
and hold it down



The latches must
be flush



If latch > 0 mm,
go to « Tip test 2 »



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.



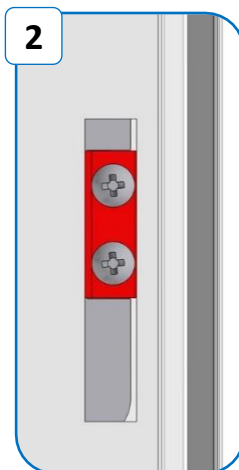
Tip test 2

If one or all of the latches are not flush, follow the procedure below :



Move the handle and hold it down

IMPORTANT :
Throughout the procedure, do not let go of the handle

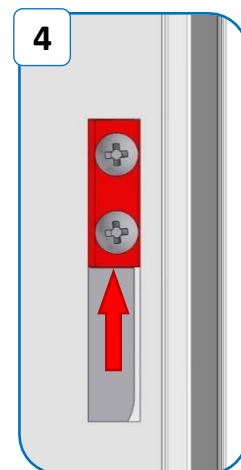


Loosen the 2 screws

3
Wedge the cable clip up as high as possible with a flat screwdriver



Please note :
The latch must be flush

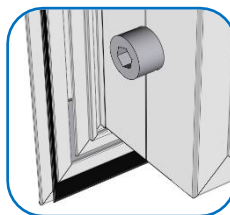


Tighten the 2 screws again

Before closing the wicket door, **check** that the latches are flush when holding the handle down.

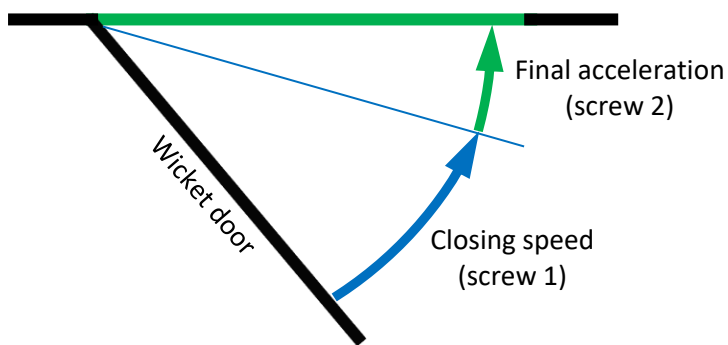
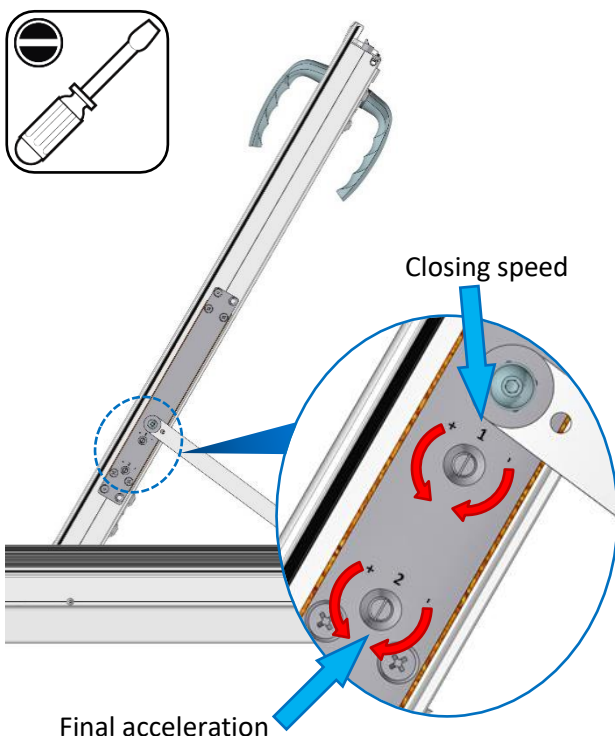
Please note : If the wicket door becomes stuck after closure, refer to the « **Solution** » chapter on the following page.

If necessary, **check** and **tighten** the centralizers again



Adjusting the door closure


Adjust the settings, if necessary :



Please note : If there is not much space (wicket door/header) at the top, use the flat Allen key provided.



Solution « if the lock is stuck »

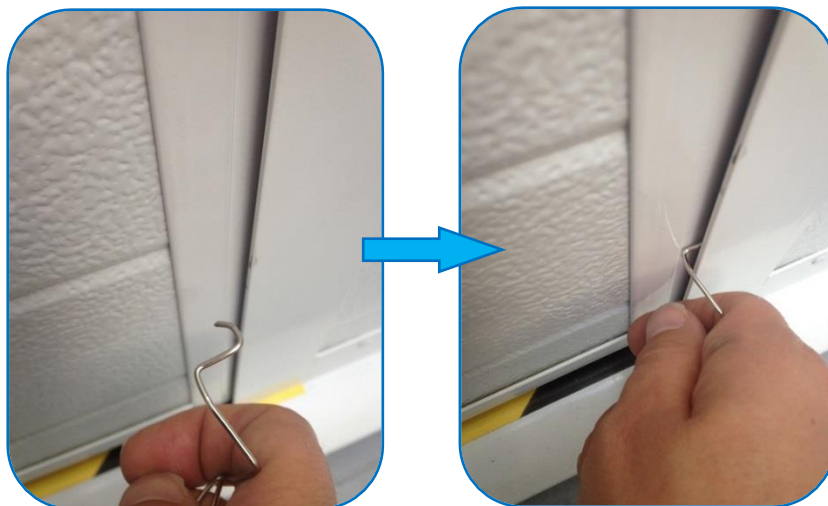
 **Depending on the specific case,
it may be necessary to cut the spring rod between the panels.**

Identify the blocked part inside :

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

Make the hook

Actual size

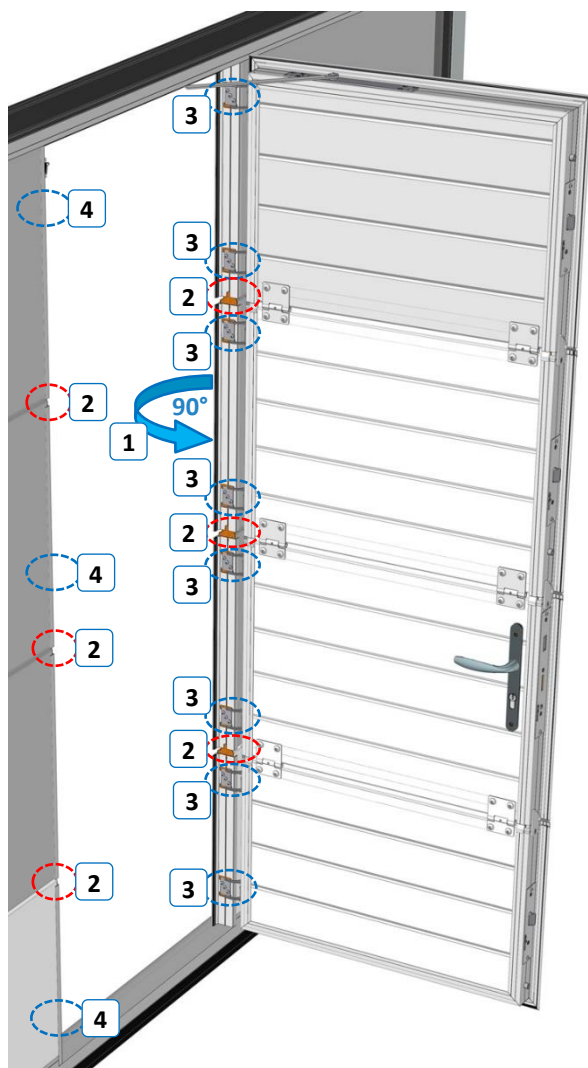
Slide the hook into the opening of the wicket door (lock side)

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.**

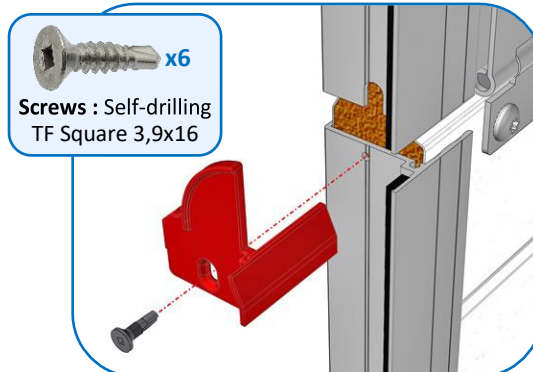
Finishes : Plugs, split hinges and strike plates



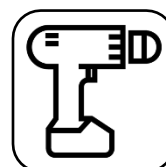
2

PLUGS

Assemble them on the frame profiles



Screws : Self-drilling TF Square 3,9x16

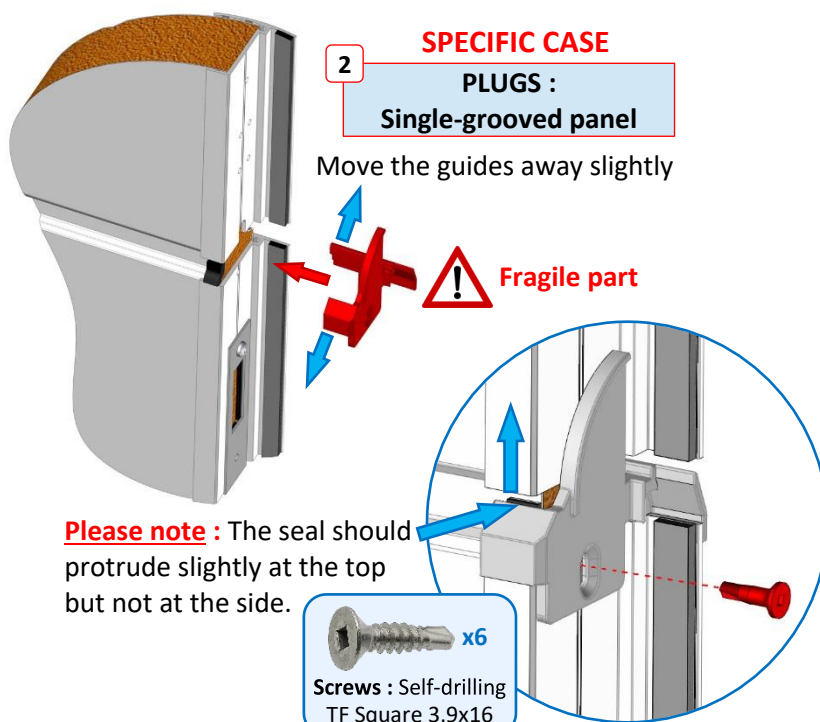


SPECIFIC CASE

2

**PLUGS :
Single-grooved panel**

Move the guides away slightly

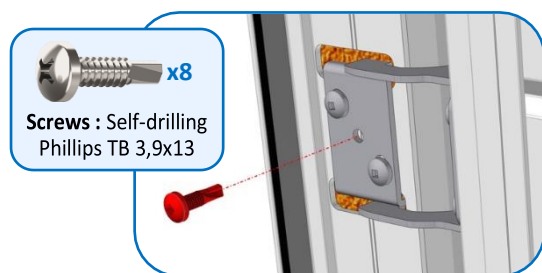


Please note : The seal should protrude slightly at the top but not at the side.

Screws : Self-drilling TF Square 3,9x16

3

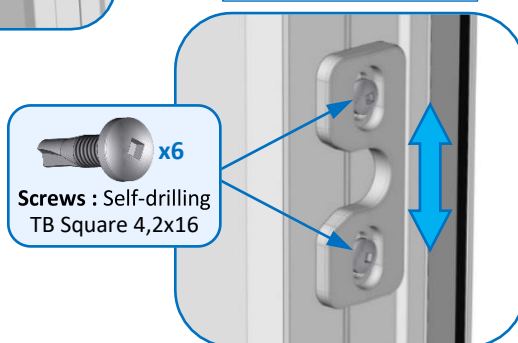
SPLIT HINGES



Screws : Self-drilling Phillips TB 3,9x13

4

STRIKE PLATES



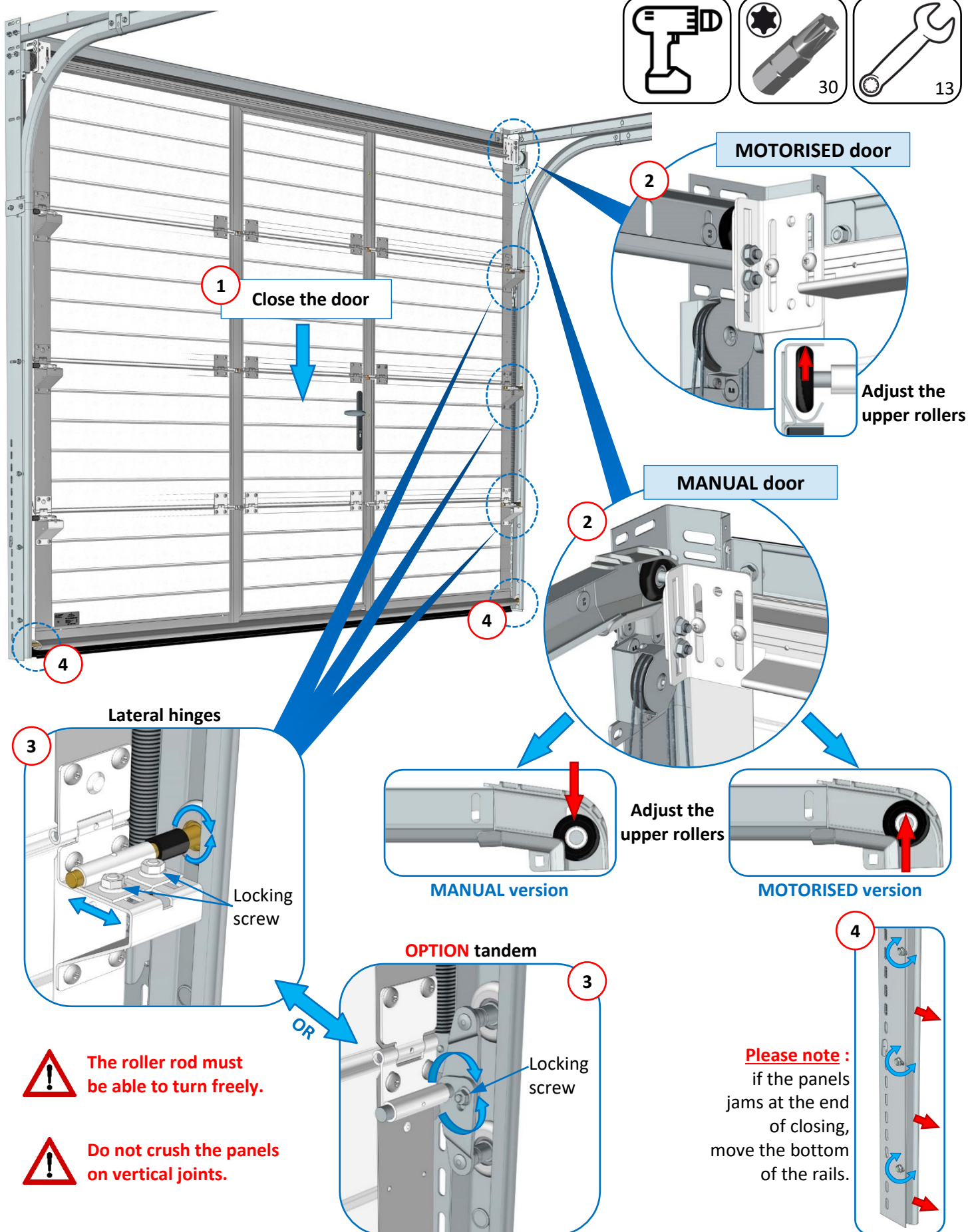
Screws : Self-drilling TB Square 4,2x16



Tighten the screws so that the strike plates move slightly.
Close and reopen the wicket door ; the strike plates will move into position.
Fully tighten the screws.

Finishes

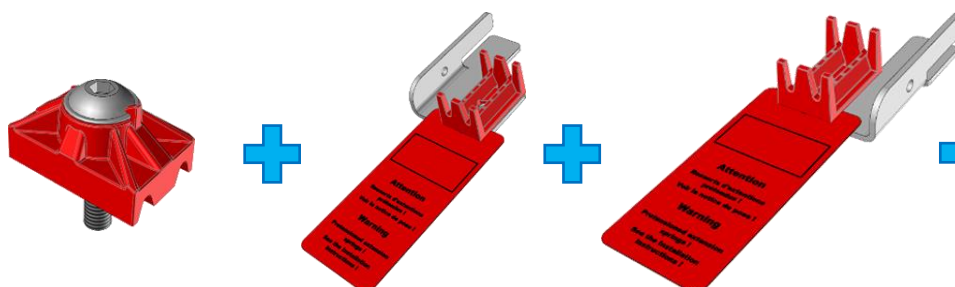
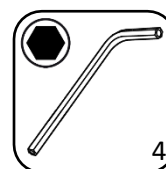
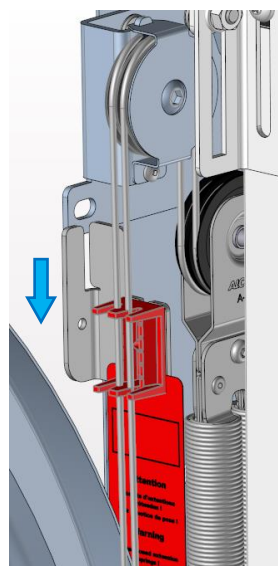
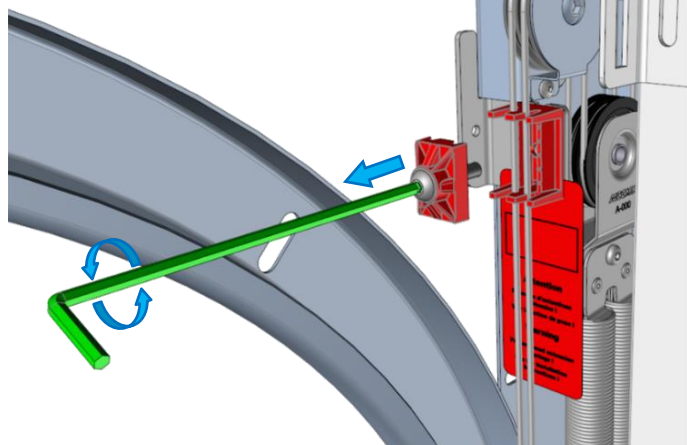
Adjusting the rollers



Removal of top safety parts

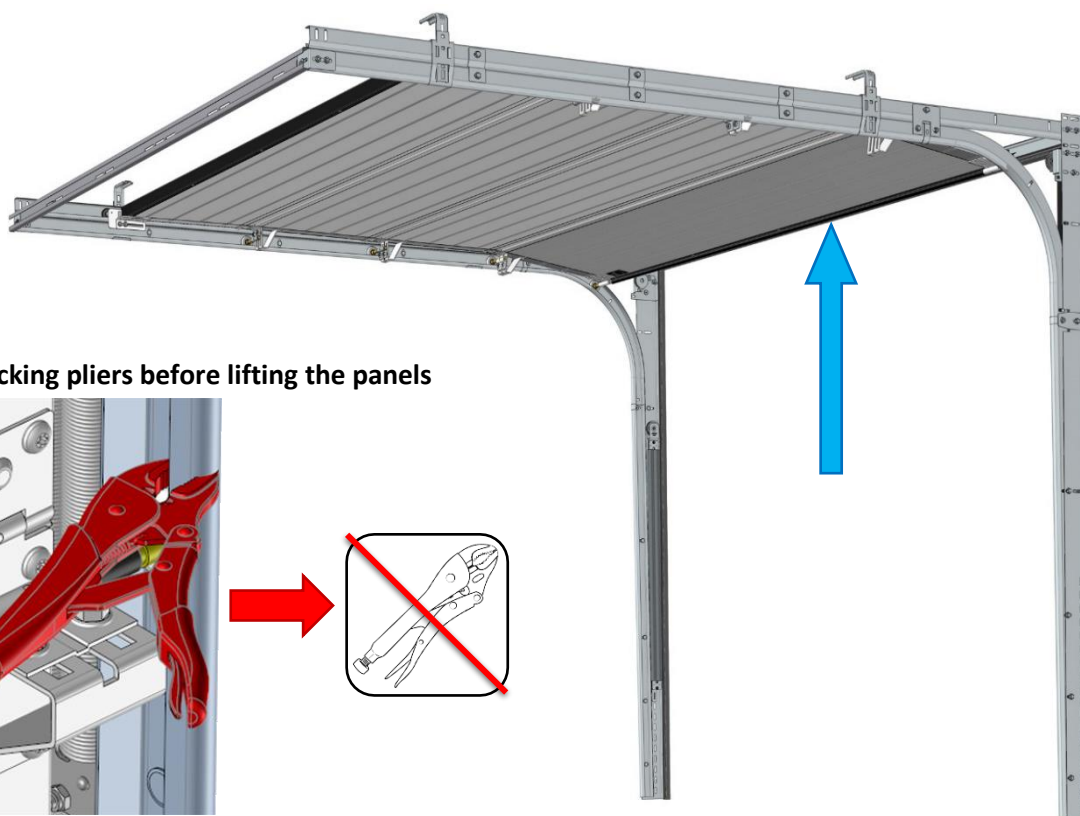
IMPORTANT

To be removed
after mounting the panels.

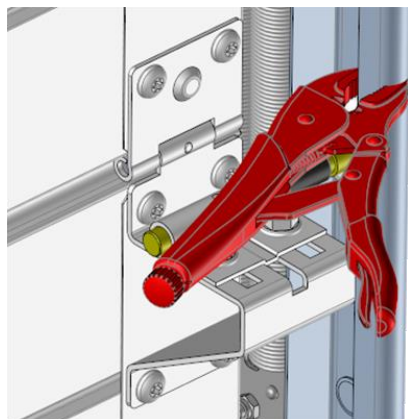


To be kept for subsequent
maintenance operation
on the door.

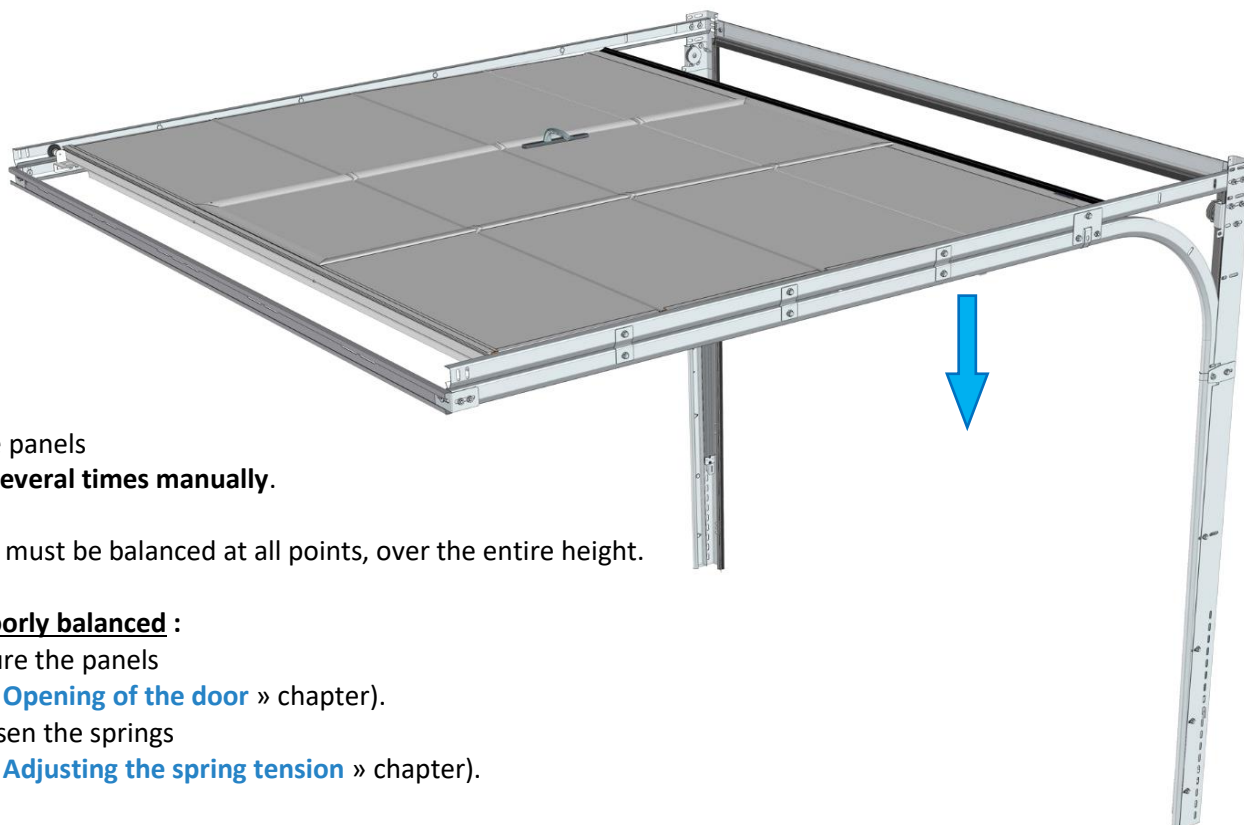
Opening of the door



Remove the locking pliers before lifting the panels



Checking the balance



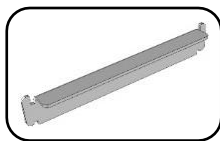
Gently close the panels
and **operate it several times manually.**

Note : The door must be balanced at all points, over the entire height.

If the door is poorly balanced :

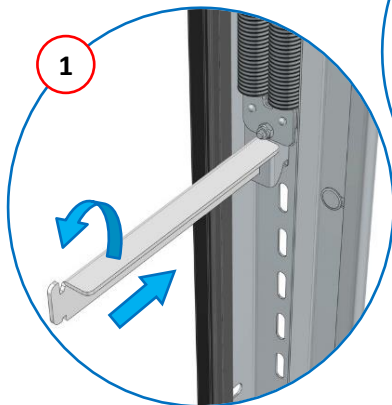
- Raise and secure the panels
(refer to the « [Opening of the door](#) » chapter).
- Tighten or loosen the springs
(refer to the « [Adjusting the spring tension](#) » chapter).

Adjusting the spring tension

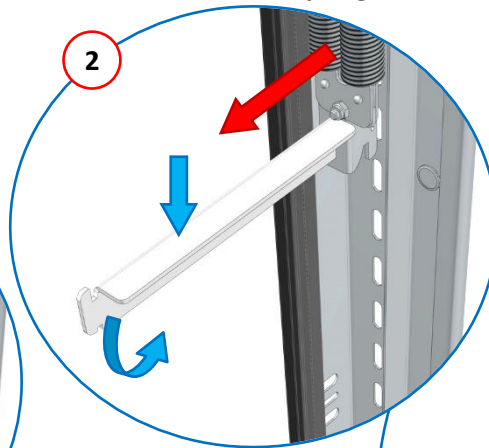


Tension
spring tool

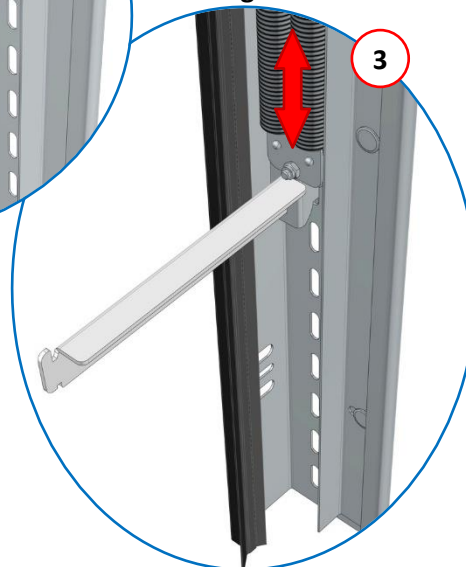
Insert the tool



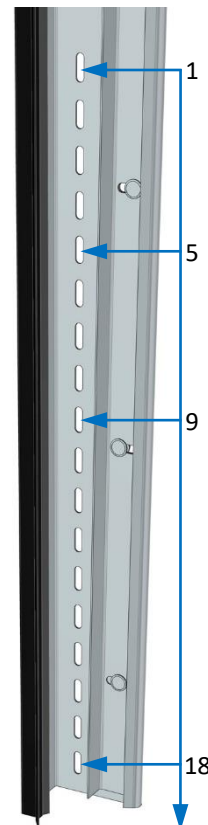
Unhook the spring



Choose a
hooking notch



Count the notches



Repeat the process for the other spring.

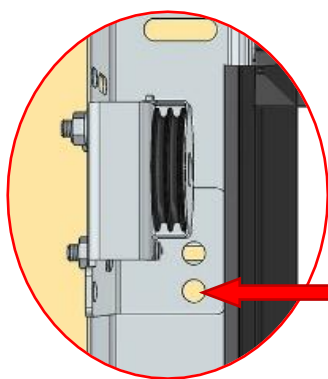
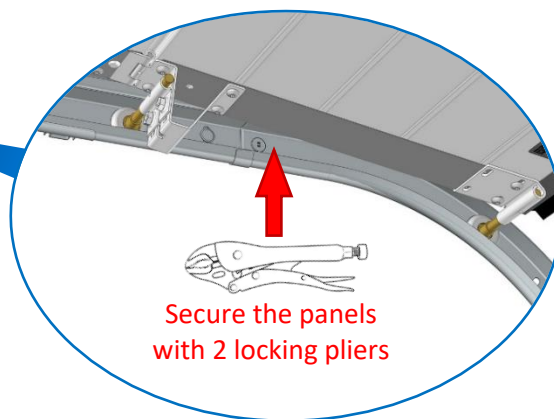
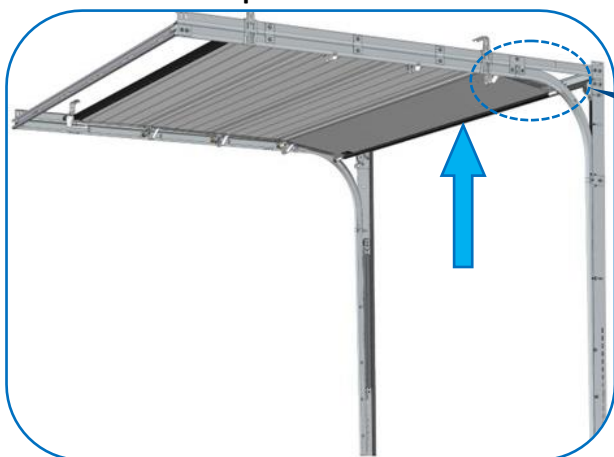


**Make sure the 2 springs are positioned on the same notch.
Check that the spring hooks are securely fastened to the rails.**

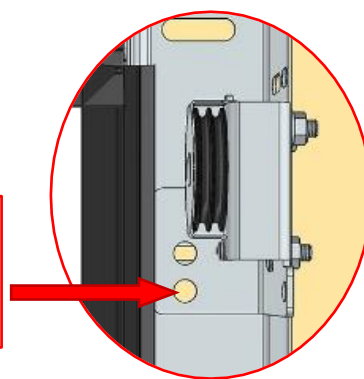
Check the balance again : Refer to the « [Checking the balance](#) » chapter previous.

Fixing vertical rails at the level right & left pulleys

Open the door

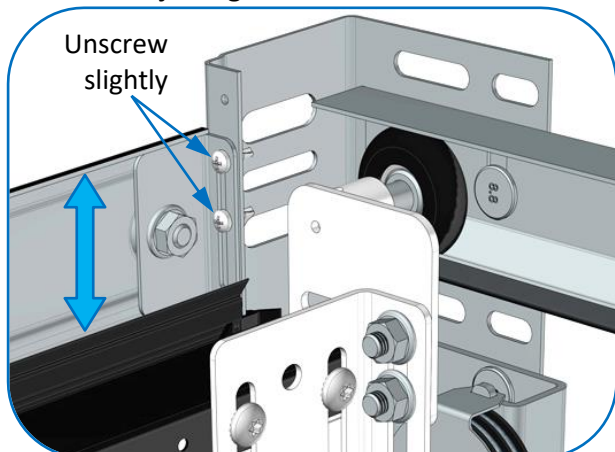


IMPORTANT
Securely fix
the 2 pulley holders



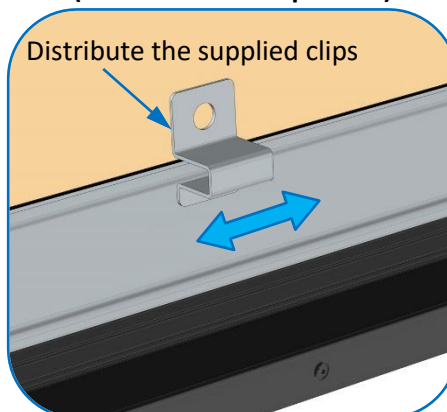
Adjusting and fixing of the cross-member

Adjusting of the cross-member

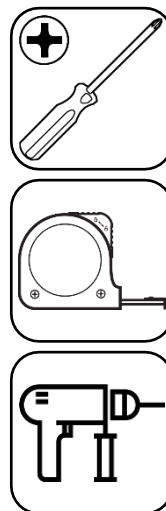


Repeat the process on the opposite side

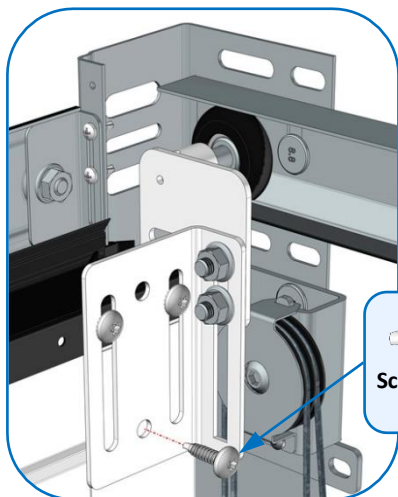
Fixing of the cross-member
(Install after the operator)



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



Fixing the upper roller supports

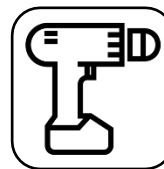


Add



x1

Screw : Self-drilling
TB Torx 6,3x25



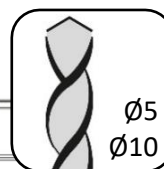
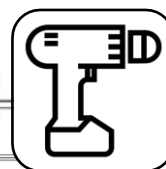
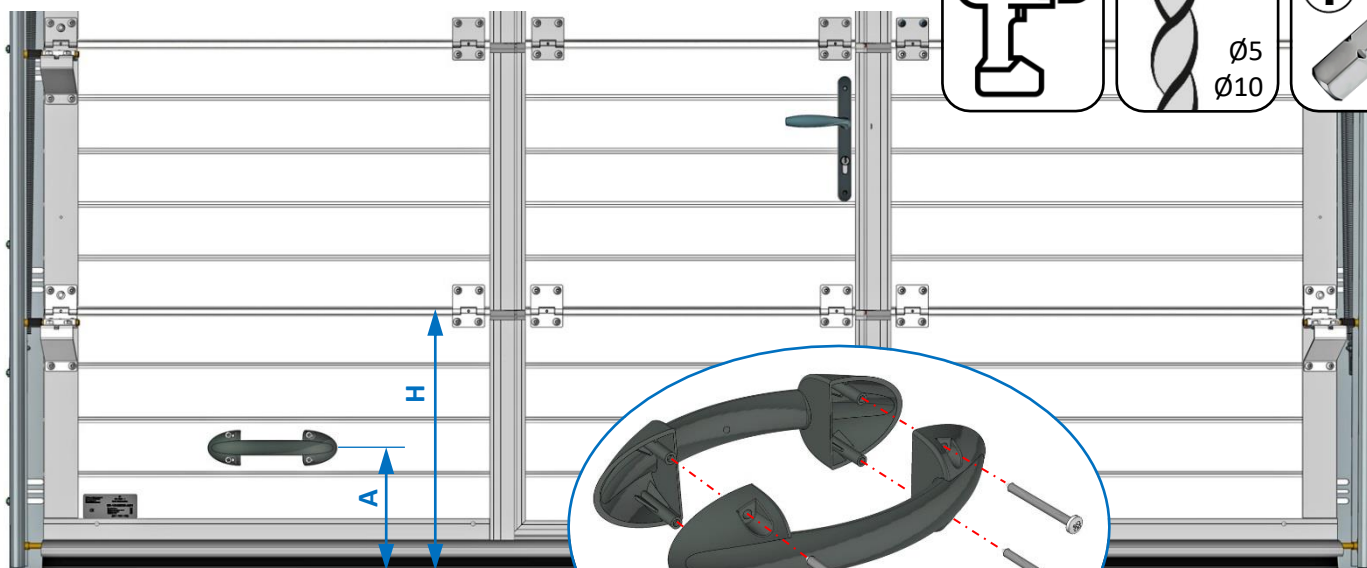
Repeat the process on the opposite side

Installation of opening stop (if manual door)

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

Mounting the handle

On the bottom panel : Max. handle position : $A = H / 2$



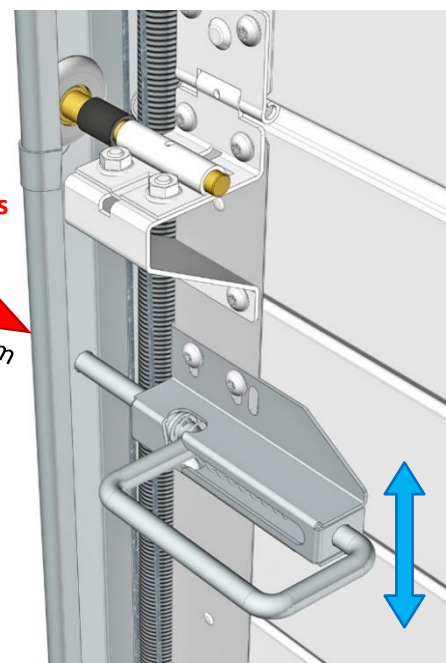
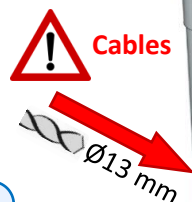
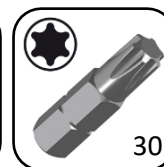
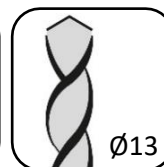
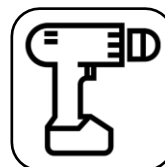
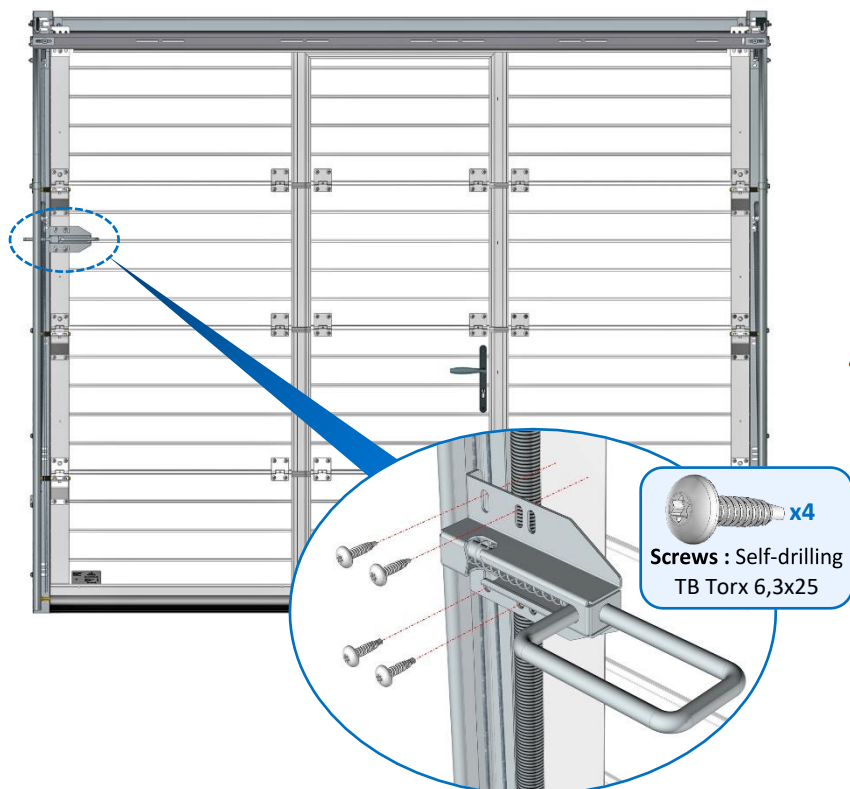
Drill

- Ø5 mm inner side
- Ø10 mm outer side

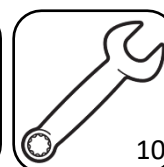
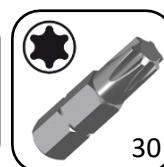
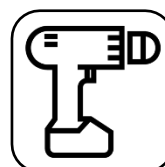
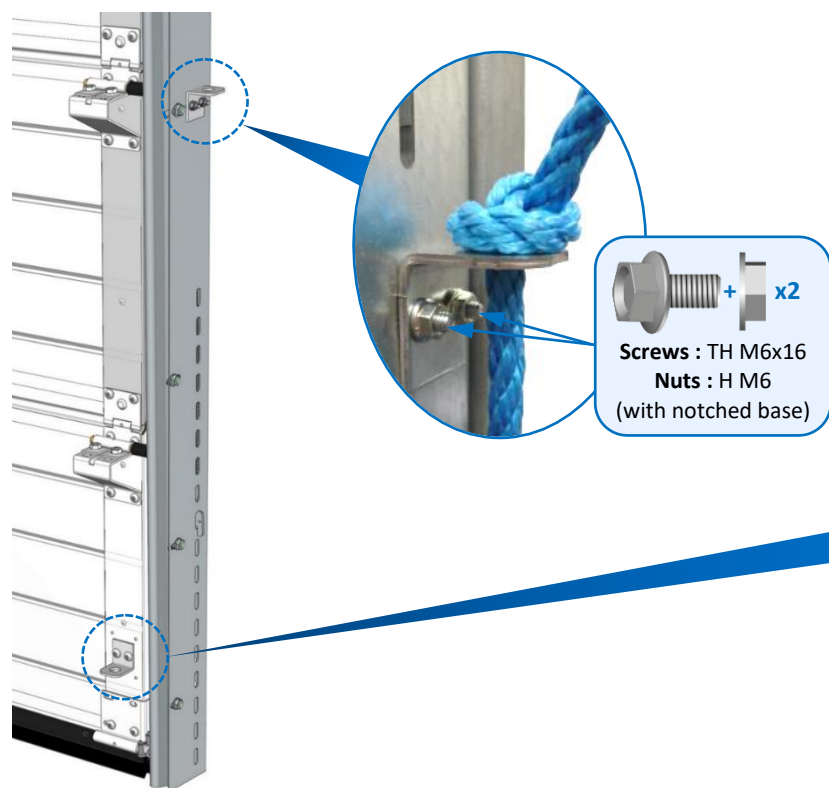
Screws : Pozidriv TR 5x60

Mounting the latch (optional on motorised doors)

On 2nd intermediate panel :



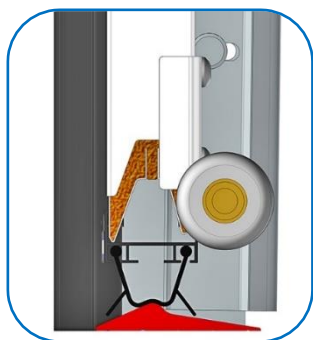
Installing the pull cord (if manual door)



On the bottom panel



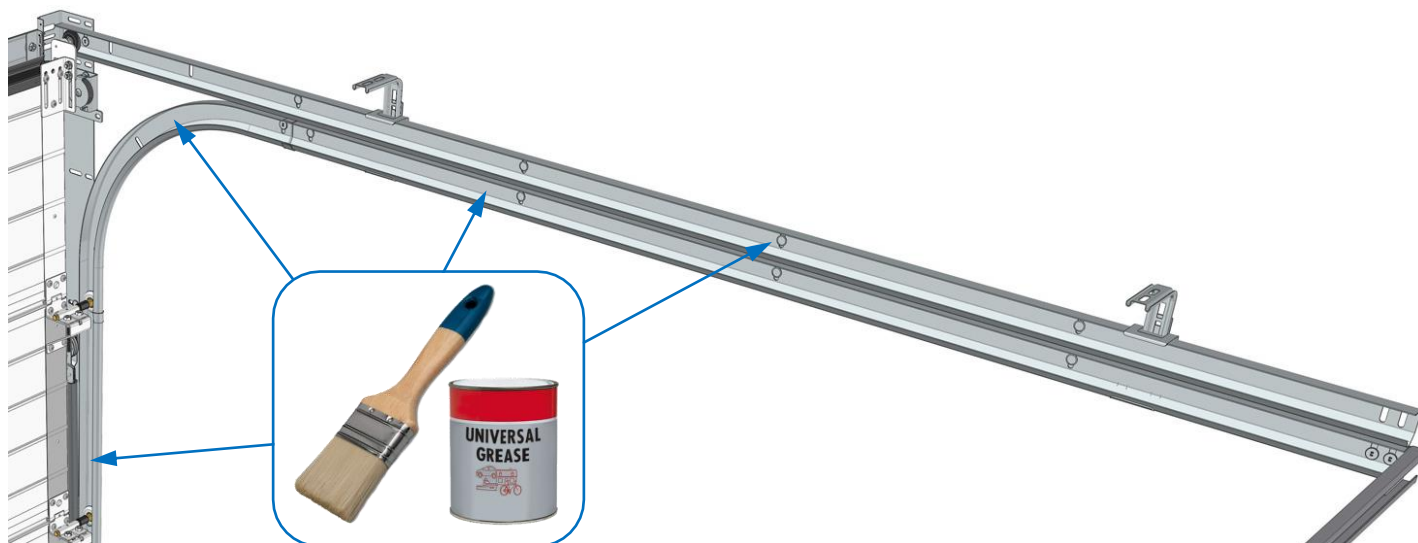
Weather seal (optional)



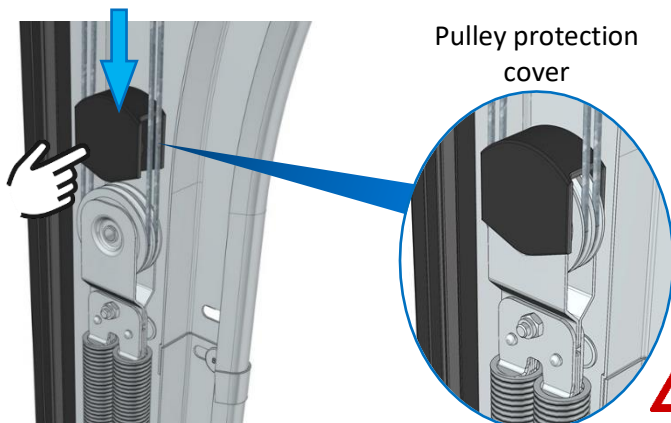
Weather seal section to be glued to the floor between the rails.

Refer to manual : Weather seal.

Greasing the bottom of the rails



Mounting of spring pulley covers



Pulley protection cover

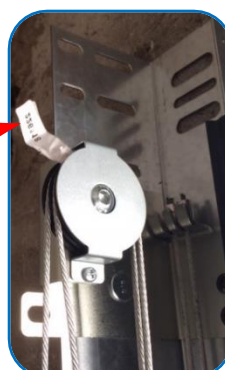


Pulley covers are not supplied, if the rails are equipped with the protection cover option.

Cable labels

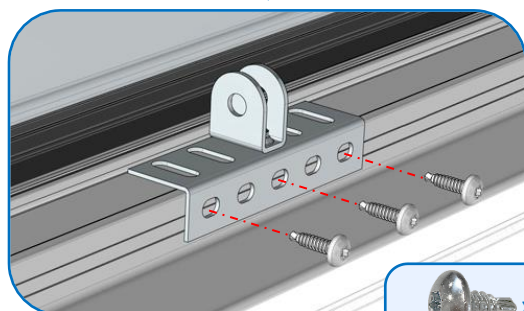
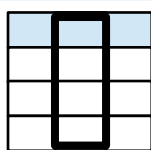


Remove the cable labels



Fixing the « SOMMER » operator to the back bar

Full-height wicket door



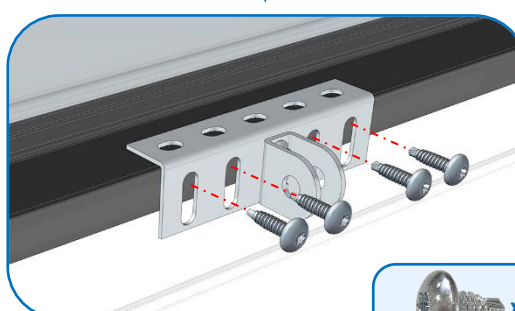
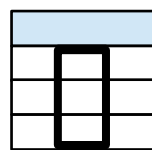
Do not add screws



x3

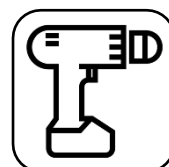
**Screws : Self-drilling
TB Torx 6,3x16**

Intermediate wicket door

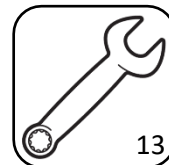


x4

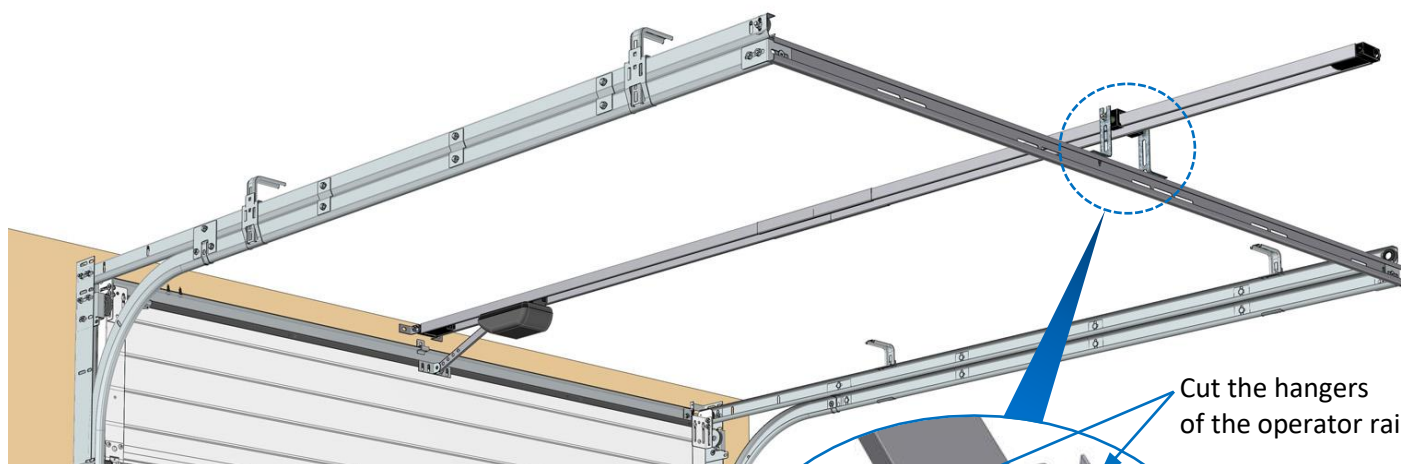
**Screws : Self-drilling
TB Torx 6,3x16**



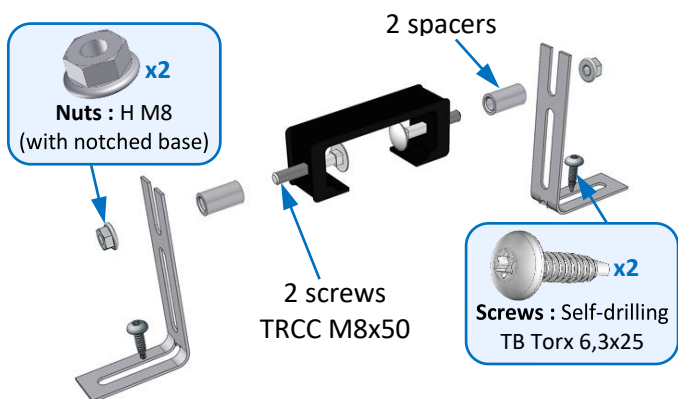
30



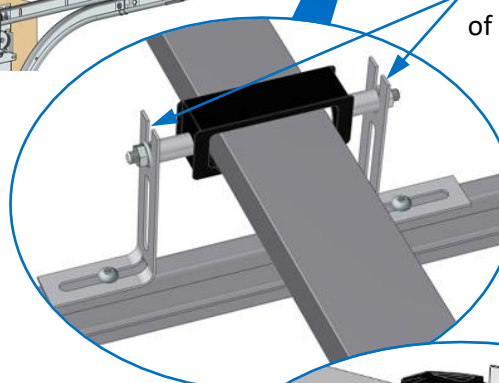
13



Cut the hangers
of the operator rail

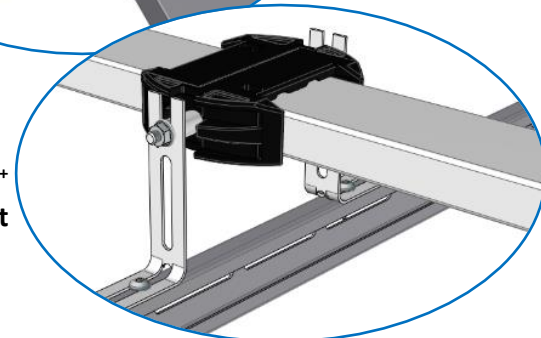


**This fastening kit is compatible exclusively
with all « SOMMER » operators.**



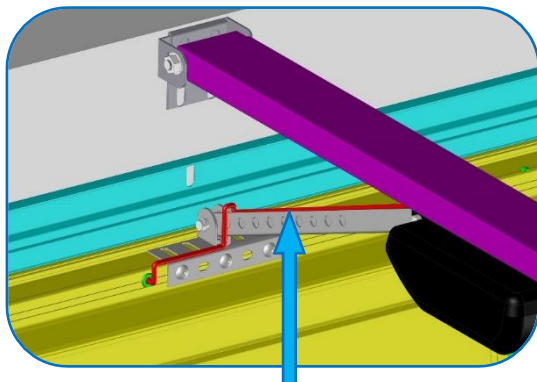
**TD
operator kit**

**Pro⁺
operator kit**

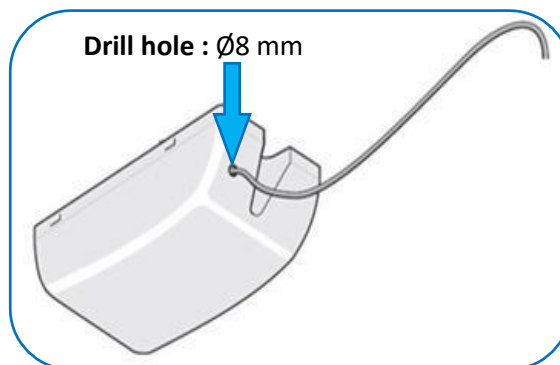


Micro switch & contact radio

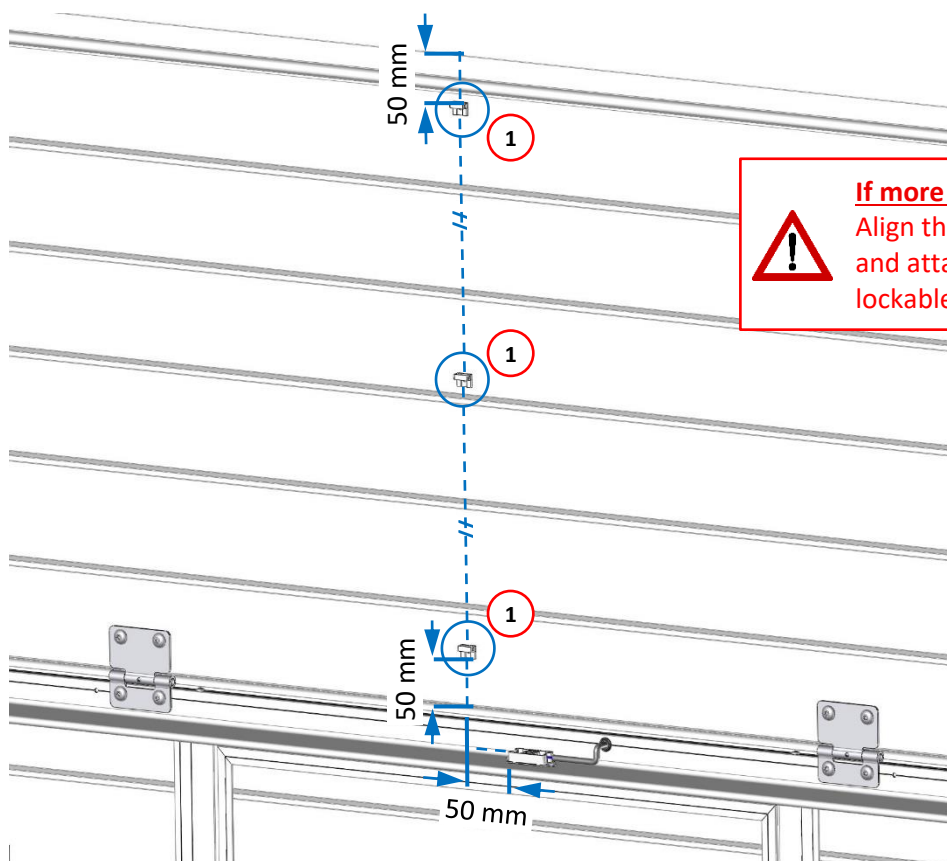
Connecting the safety micro switch to the TD operator (wiring)



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

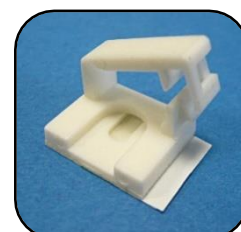


Unclip the cover



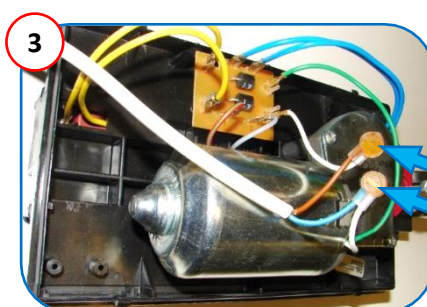
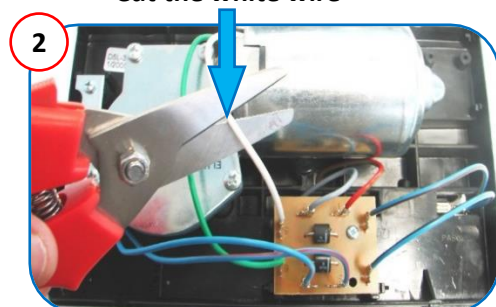
If more than 4 panels :

Align the cable towards the operator arm and attach it to the panels using the lockable adhesive cable-clamps (provided).

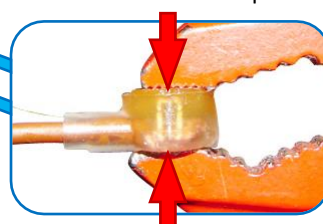


Lockable adhesive cable-clamp

Cut the white wire



Connect the 2 white wires on the operator in sequence with the 2 micro switch wires. 2 scotchlock connectors provided.

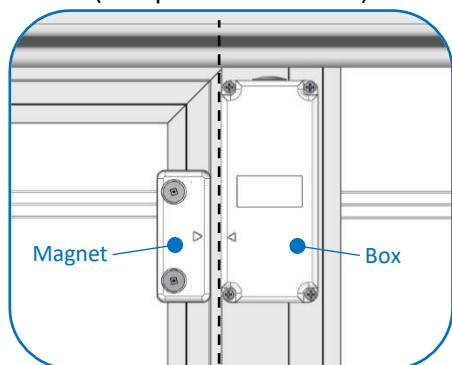


4 Check that the micro switch is working, then clip the operator cover back on.

Installation : Safety contact radio (wireless) on top panel of wicket door

Transmitter module

(Left push wicket door)



Opener Frame



Fittings

Screw 2

Screw 1

OR

1 Drill the box

Plug

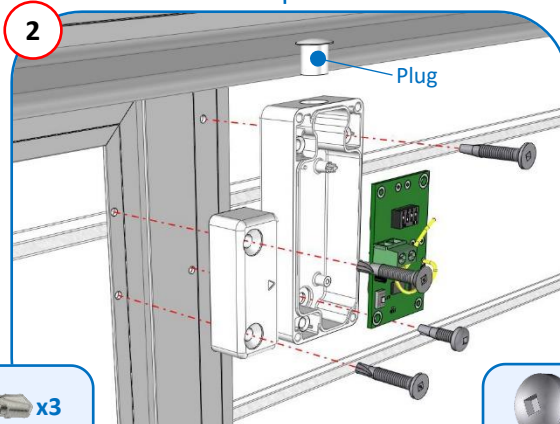


In the direction of the box



Ø4,5

2



Plug



Screws : Self-drilling TF Square 4,2x25 x3

Fix the parts on the opener and frame



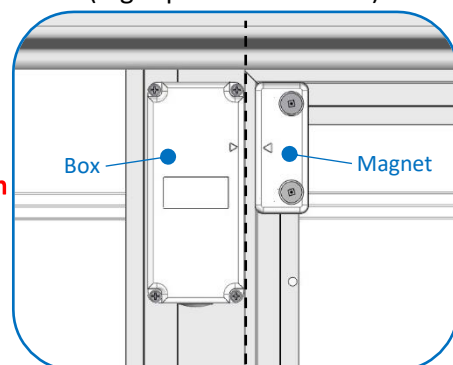
Screw : Self-drilling TB Square 4,2x16 x1



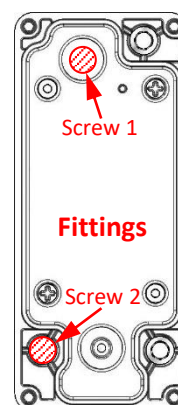
SQ2

Transmitter module

(Right push wicket door)



Frame Opener

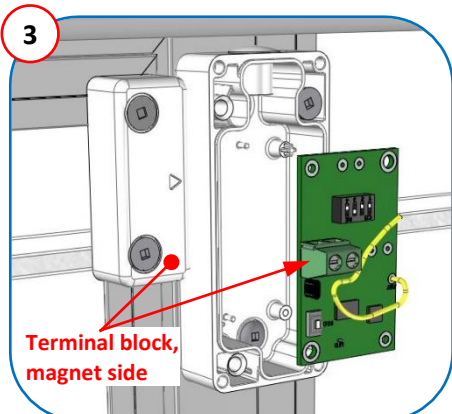


Fittings

Screw 2

Screw 1

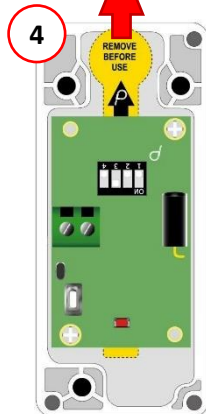
3



Terminal block, magnet side

Reinstall the board

4



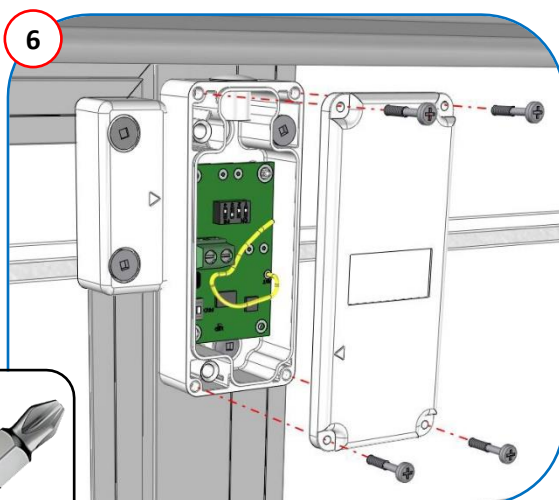
Remove the battery isolator

5



Check the position of the switches

6



Close the box

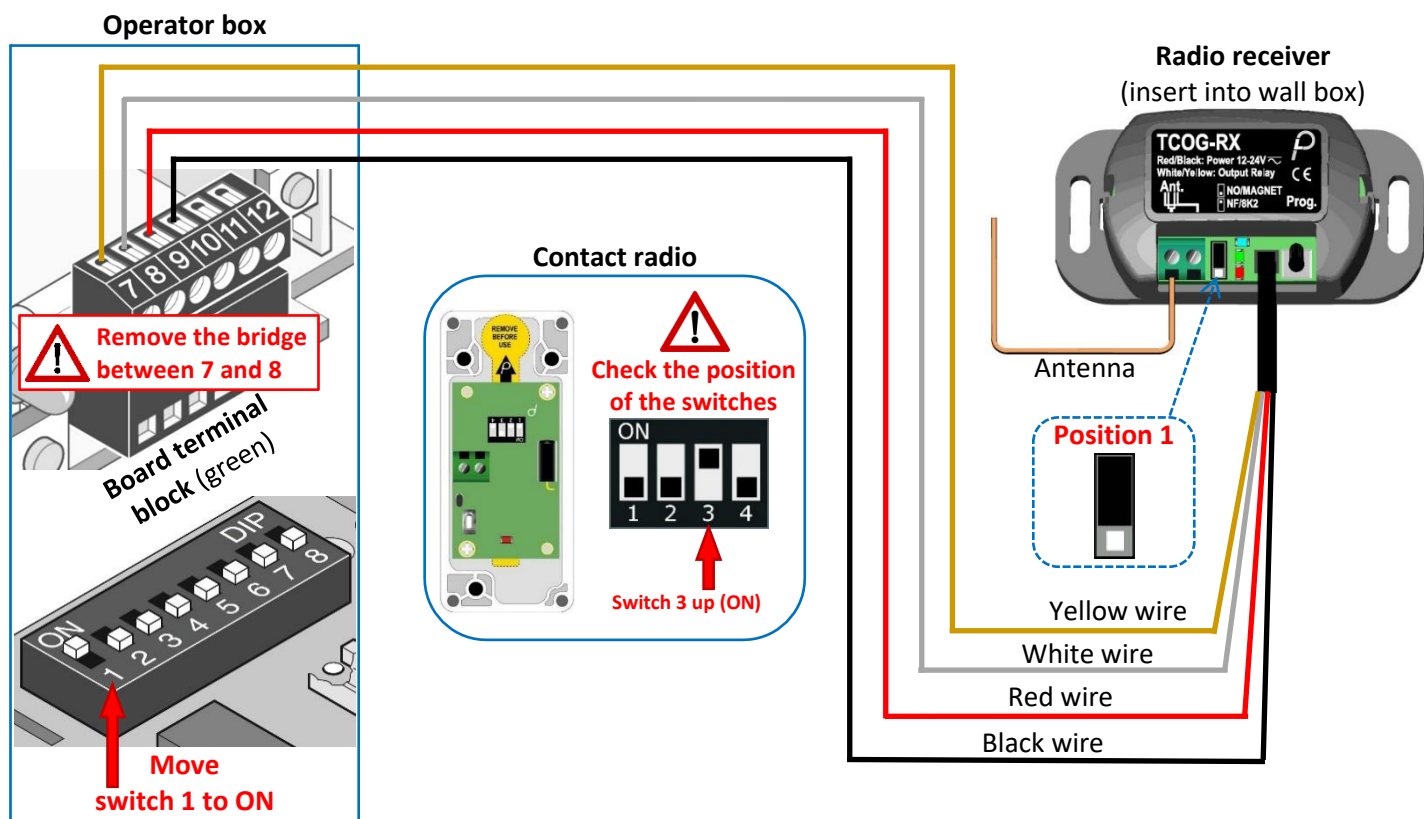


The contact radio is programmed at the factory. It is ready to use.

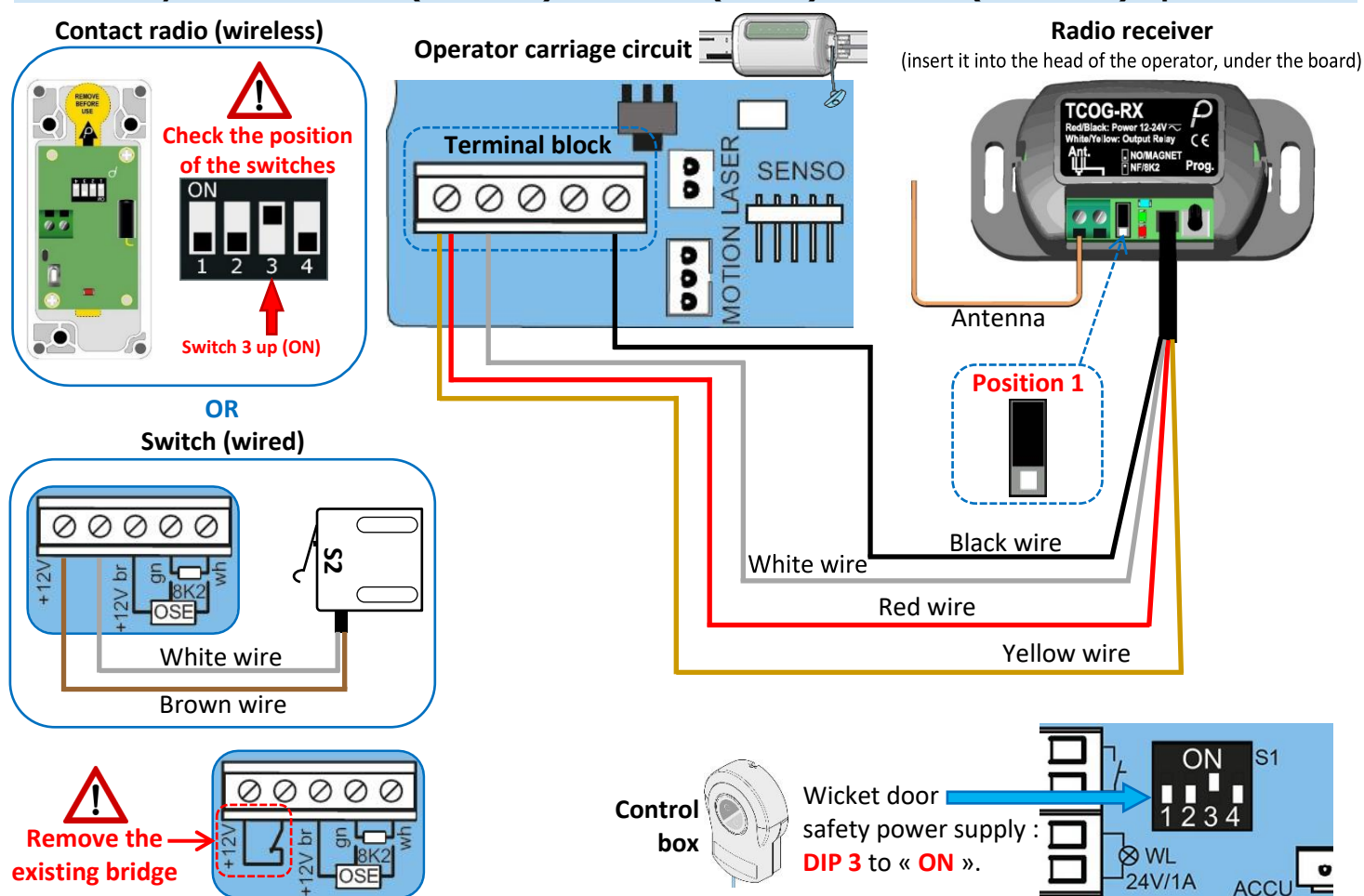
Please note : In case of failure, refer to the transmitter documentation.

Connection

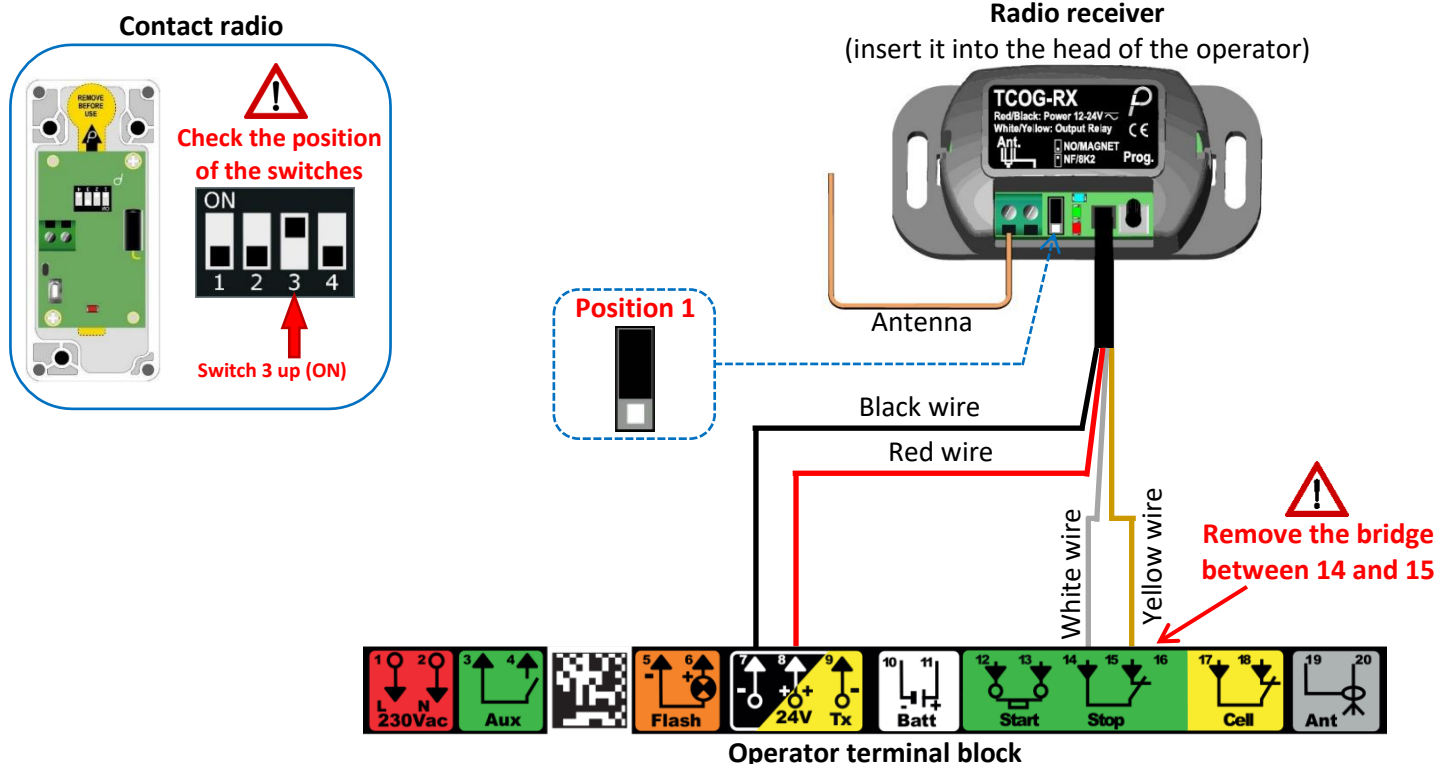
Safety contact radio (wireless) with the TD operators (SOMMER)



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



Safety contact radio (wireless) with the Dexxo Smart io 800 operator (SOMFY)



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

