LA TOULOUSAINE

Manual No. 7034

02/23

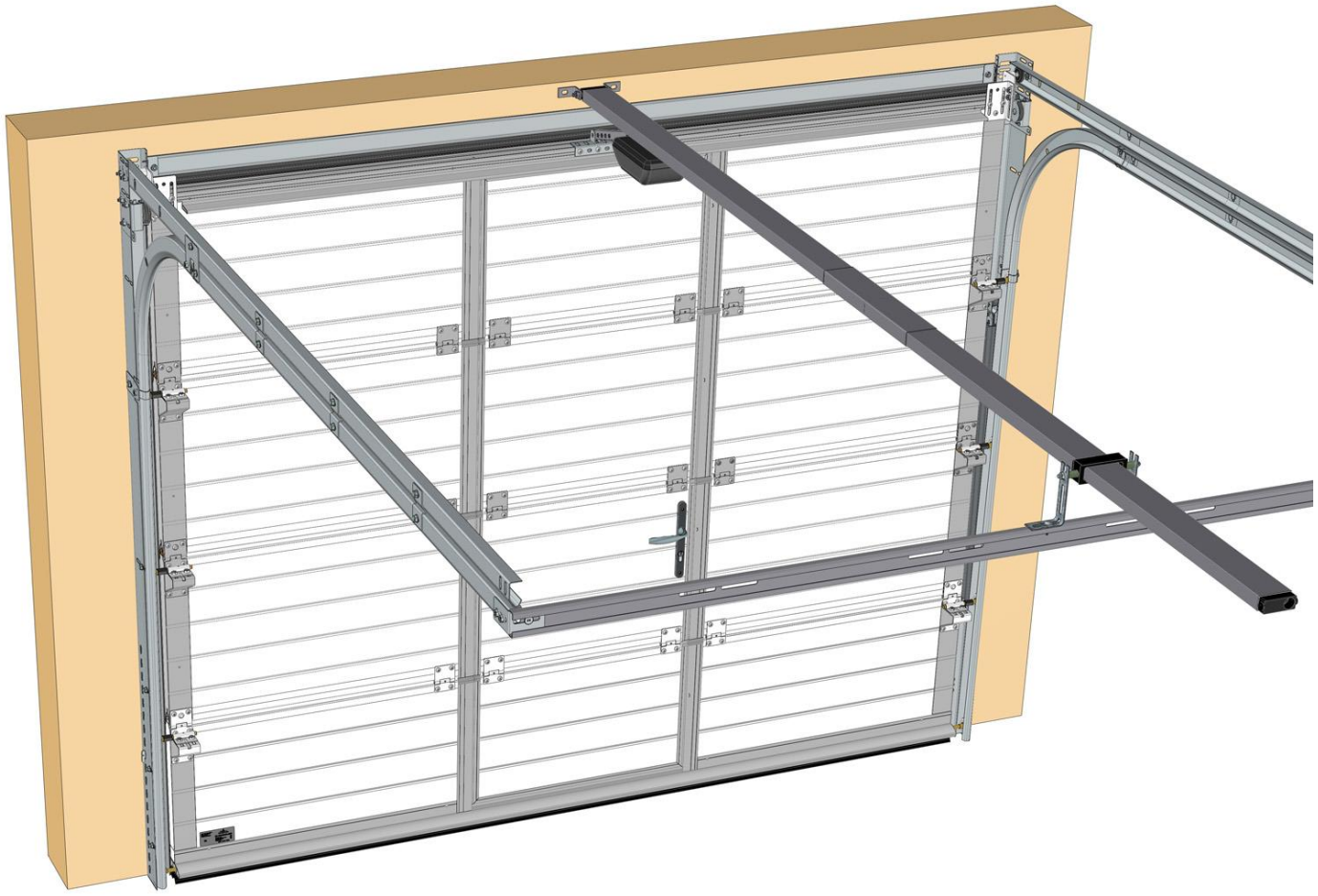
INSTALLATION

Residential garage doors

Manual or **Motorised**

RE100 with Wicket Door

with reduced 30 mm **or** standard 60 mm threshold

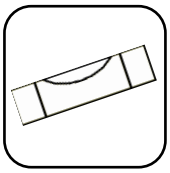


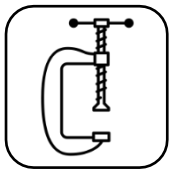
(Document reserved for installers)

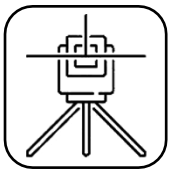
Contents

Before installation

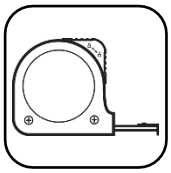
Required equipment


Spirit level

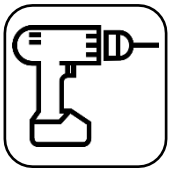

Clamp

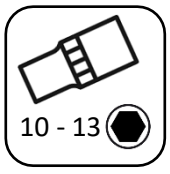

Laser level


Plumb bob


Tape measure (8 m)


Utility knife


Electric screwdriver

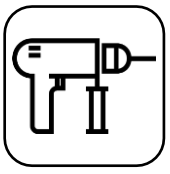


Socket


Cruciform bit

Flat wrench

Allen key


Perforator

Torx bit

Square end-piece


Phillips screwdriver


Flat screwdriver


Pencil


Grinder


Combination pliers


Cutting pliers


Locking pliers


Steel drill bit Ø2-4.2-4.5-10-13

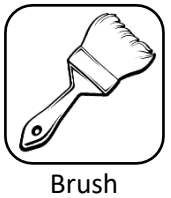

Hammer


Rivet gun


Hacksaw


Silicone sealant


Ladder


Brush

Pot of grease

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 observe 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.
  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 :

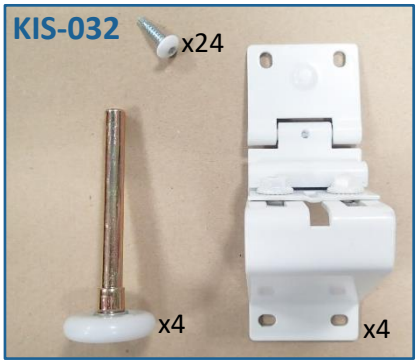
- Assembly screws : **10 Nm**
- Shutter mounting screws : **12 Nm**

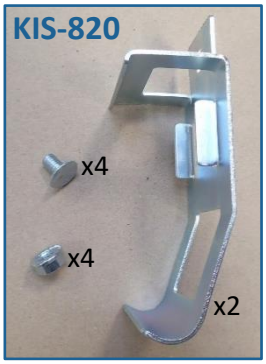
Min. working load per attachment point :

- Rails : **40 daN**

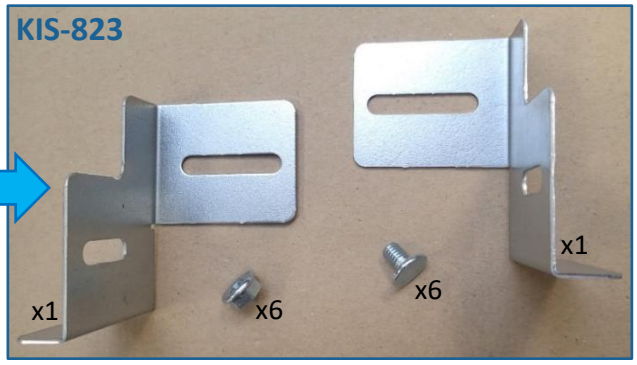
Kit contents for each door configuration/option

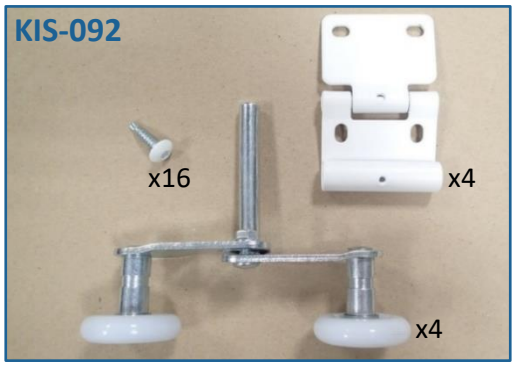
Kits for MOTORISED and MANUAL doors

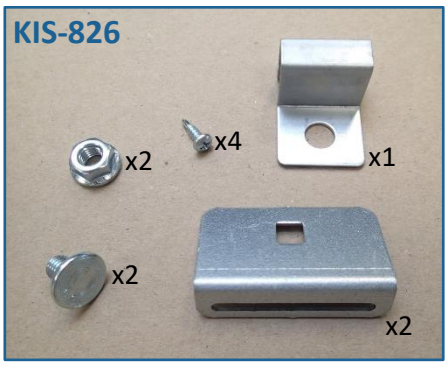


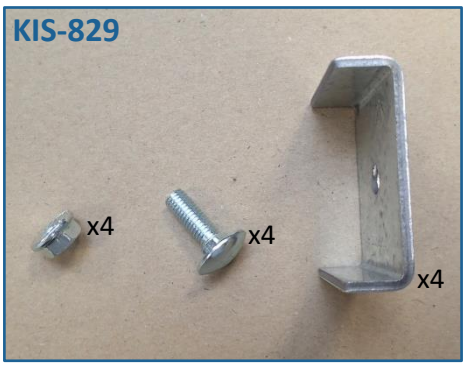


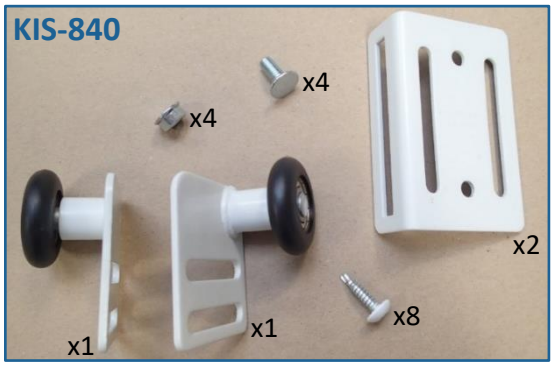
OR

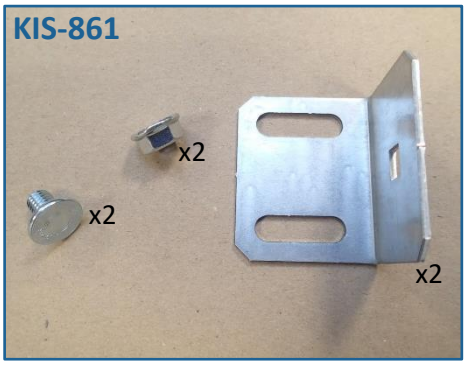


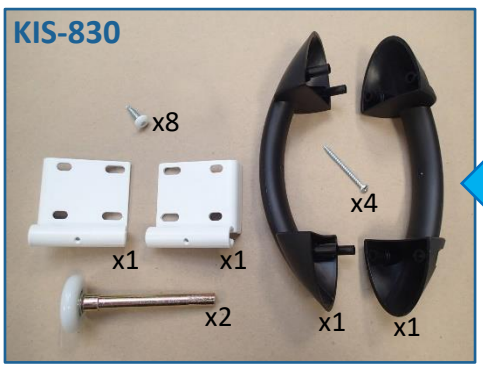










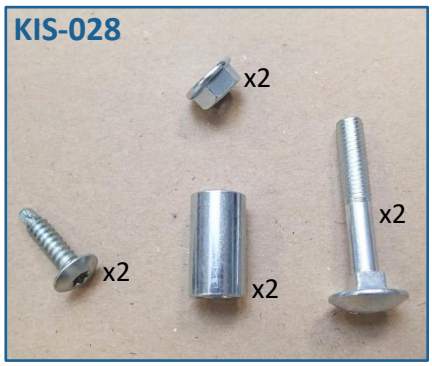


OR

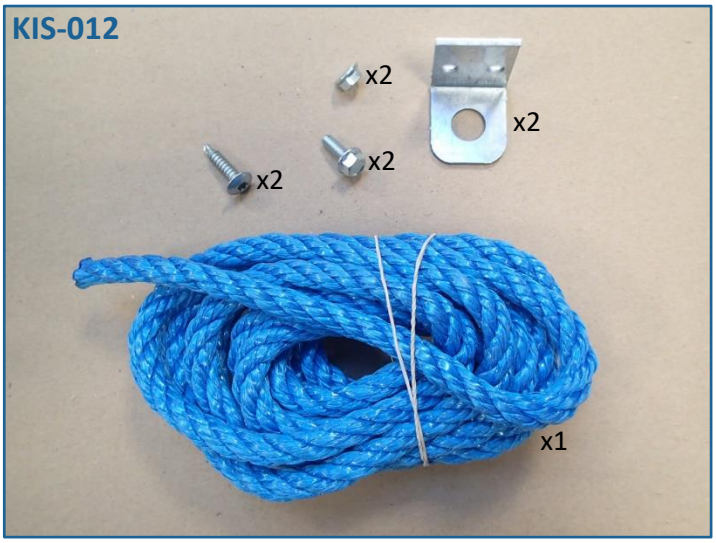
Kit supplied for reduced 30 mm threshold

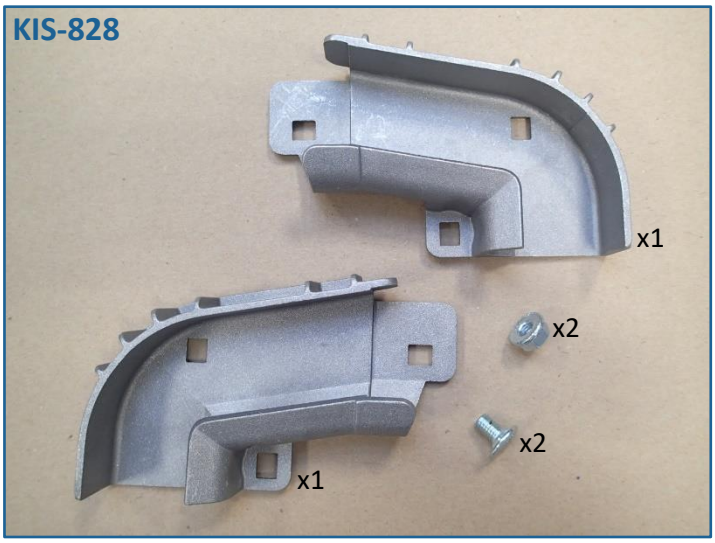
For 60 mm threshold only

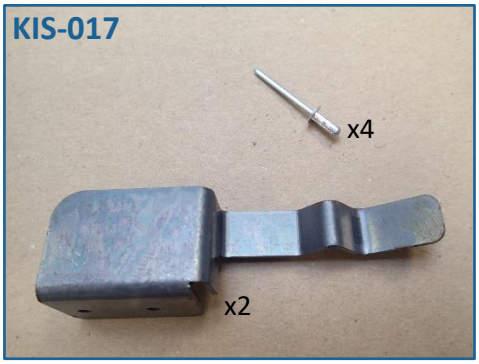
Kits for MOTORISED doors



Kits for MANUAL doors

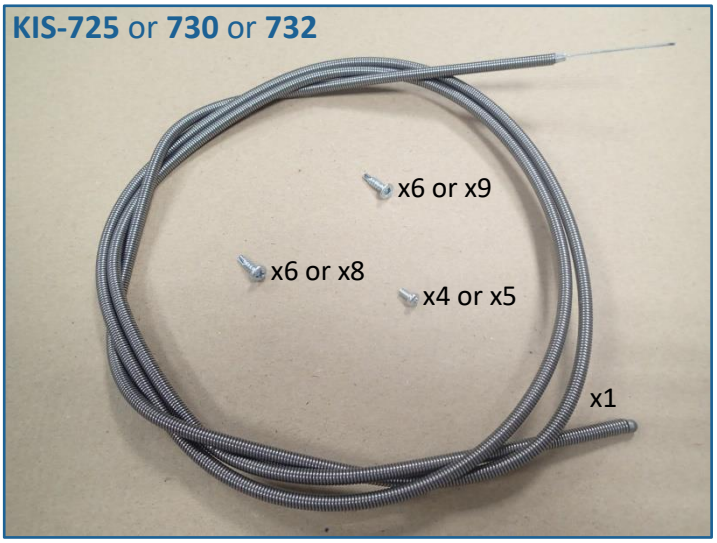




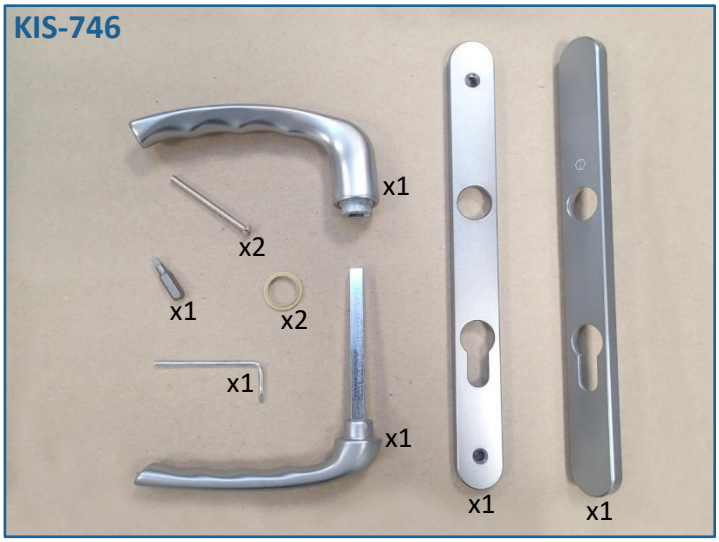


Wicket door parts

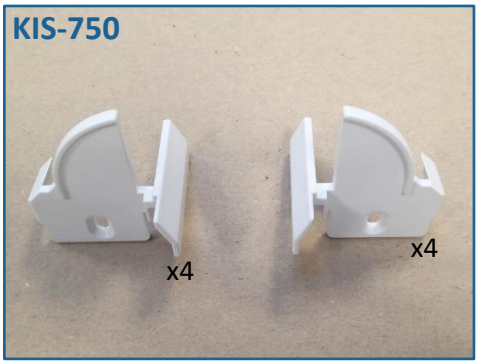
KIS-725 or 730 or 732



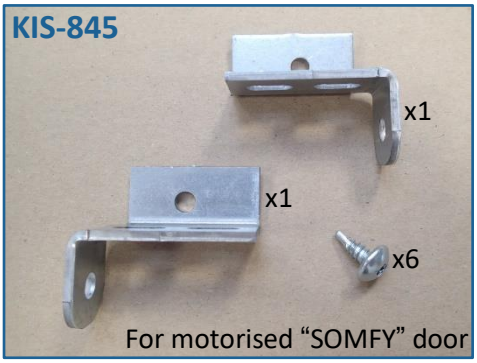
KIS-746



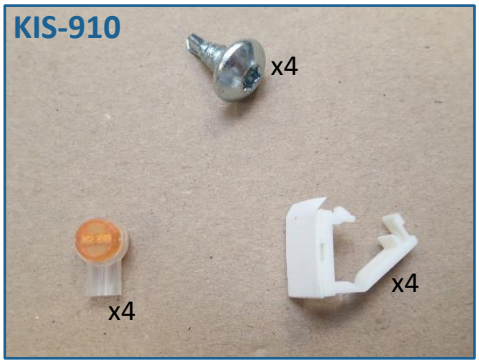
KIS-750



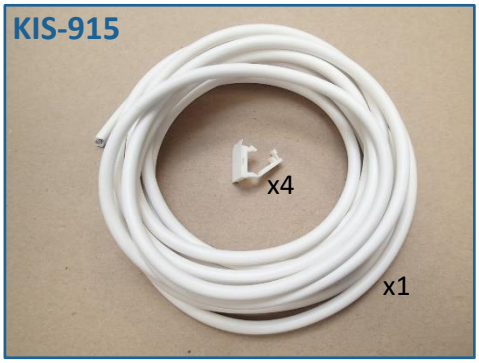
KIS-845



KIS-910

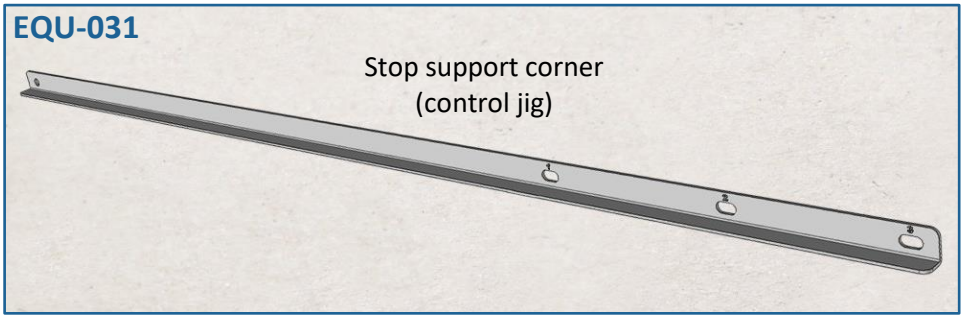


KIS-915



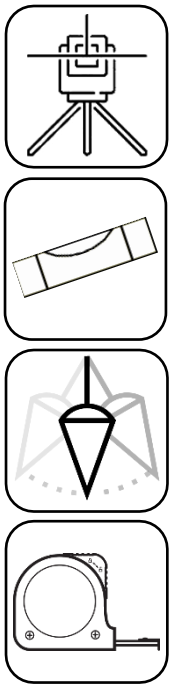
KIS-760

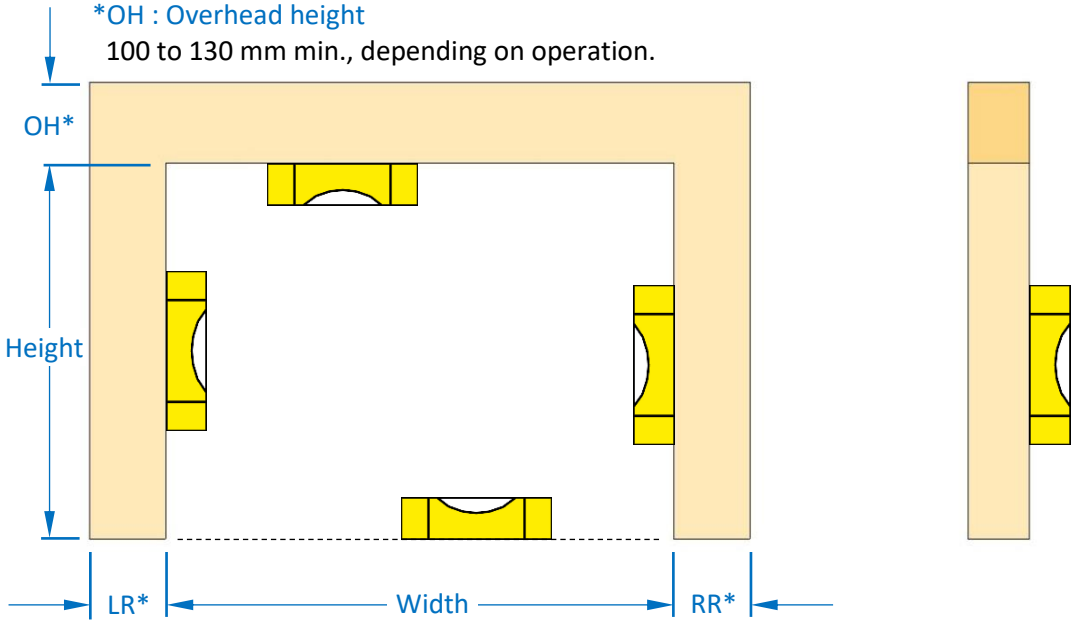
EQU-031



Vertical rail installation

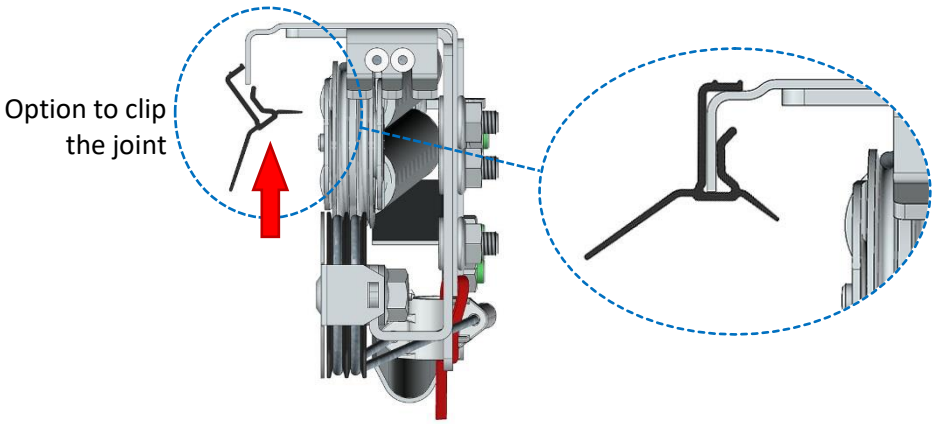
Checking the bay

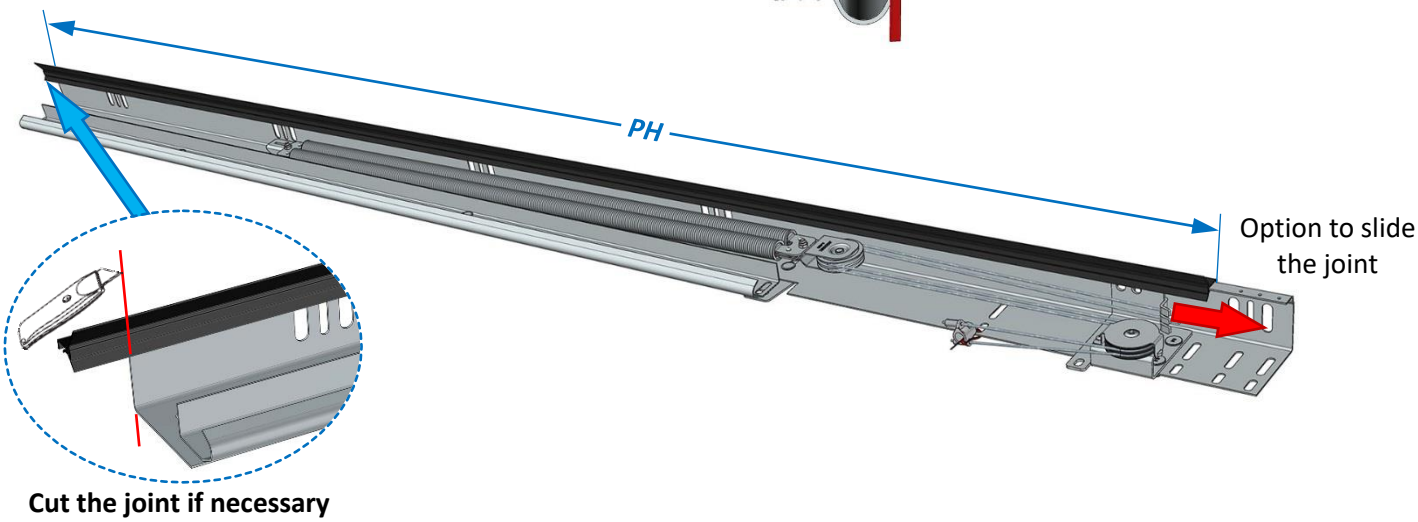




*LR/RR : Left/right reservations = 90 mm min.

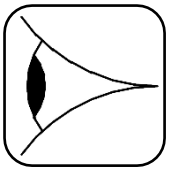
Assembling the vertical seals

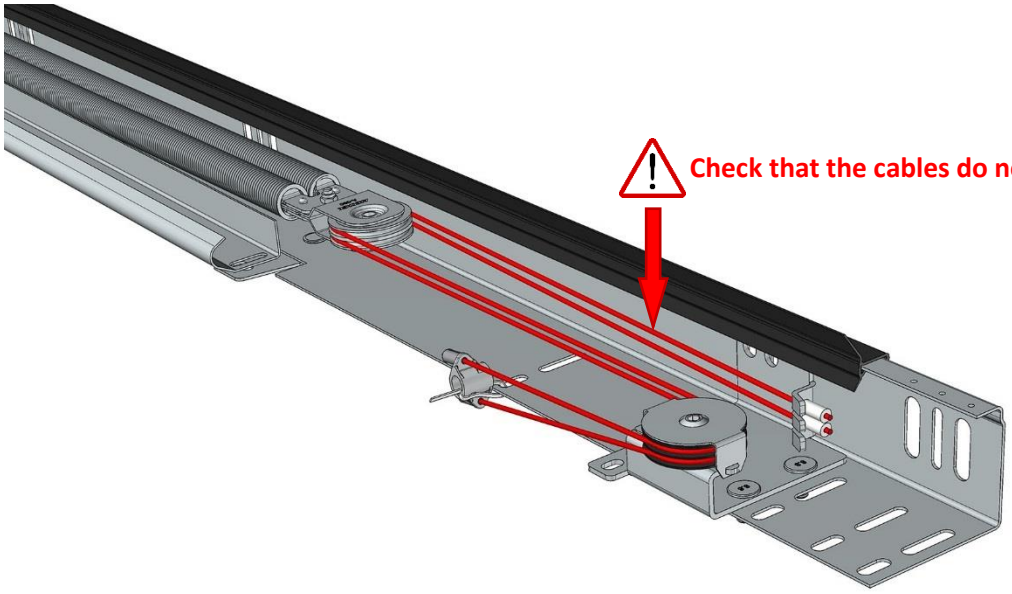




Cut the joint if necessary

Checking the cables/springs

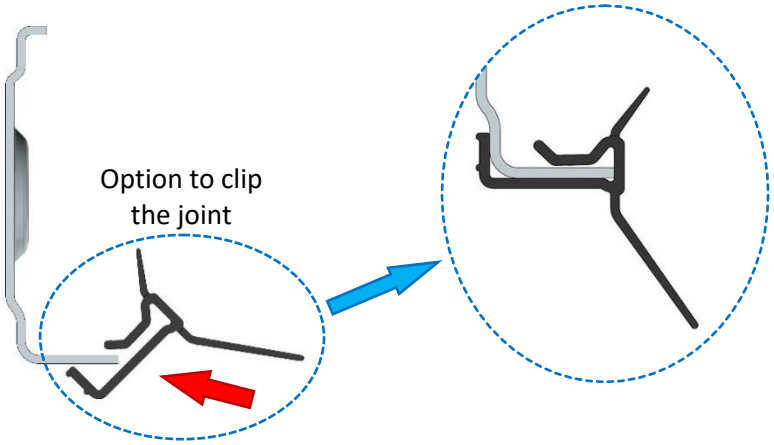


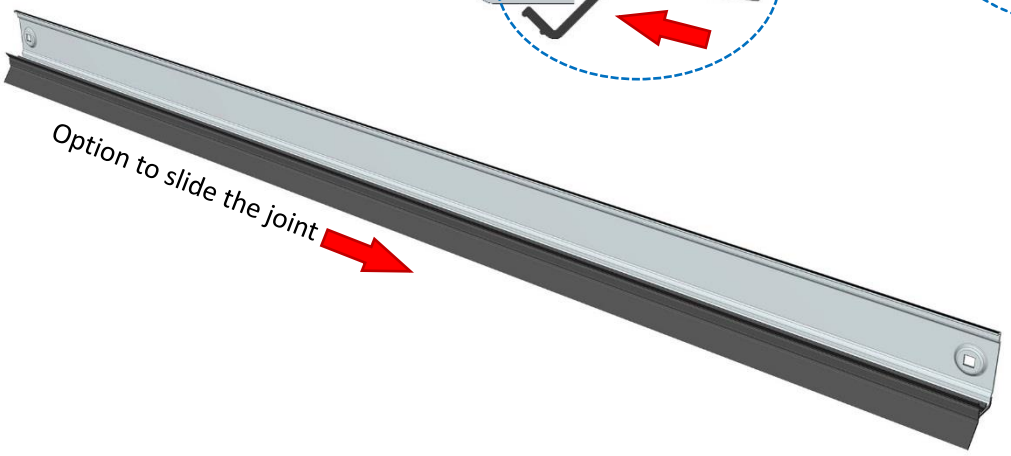


Check that the cables do not cross (parallel cables).

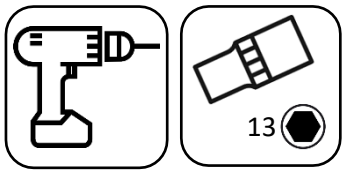
Assembling the fascia seal

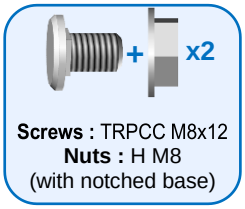
Remove the protective film before assembling the joint.

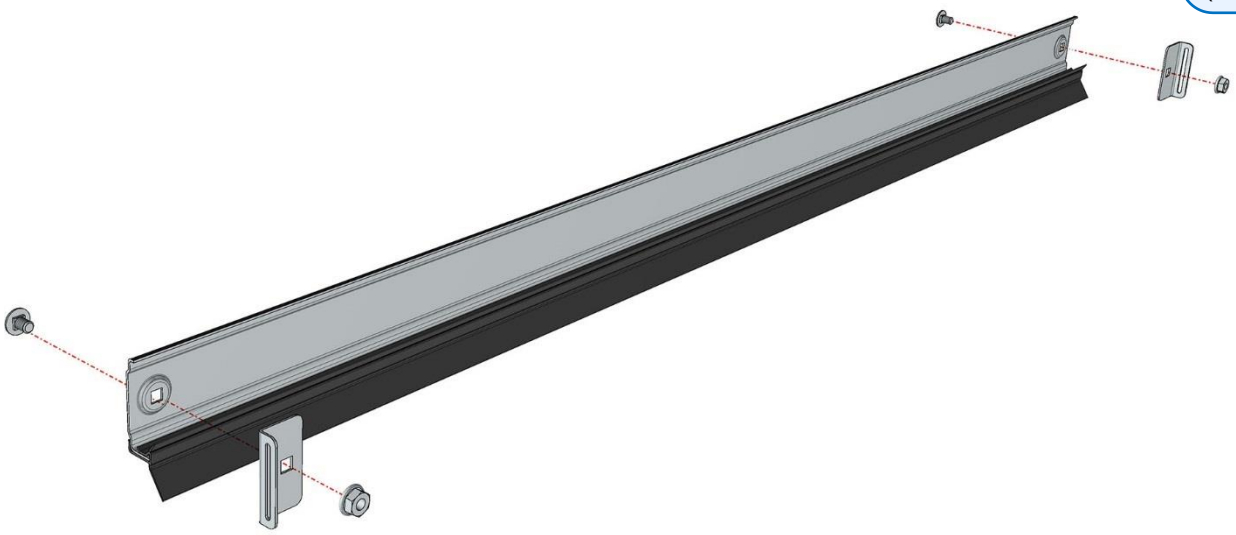




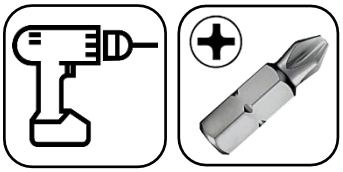
Assembling the fascia







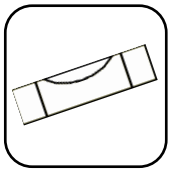
Fixing the fascia to the floor

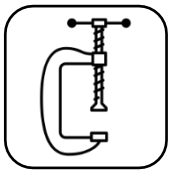


The vertical position of the fascia will be adjusted once the rails have been mounted on the wall.

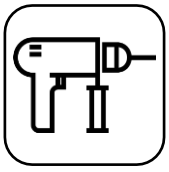
Repeat the process with the other vertical rail.

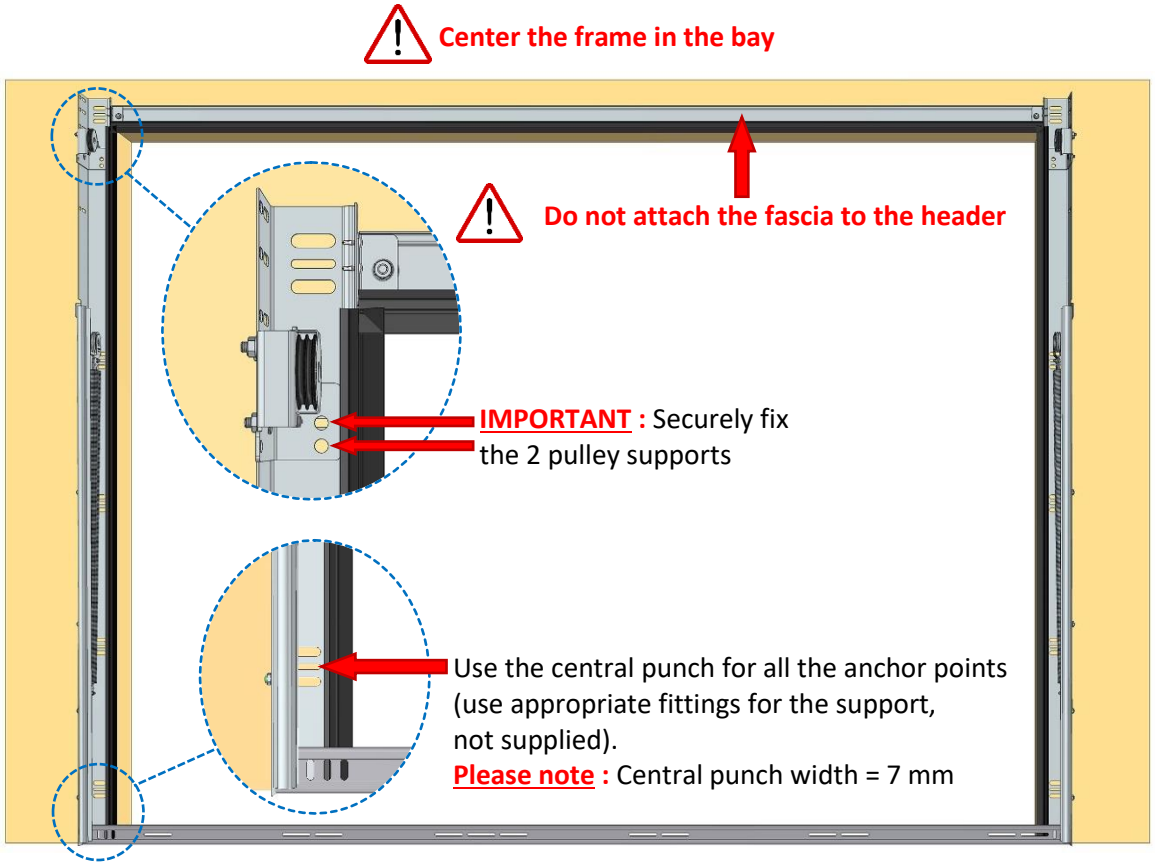
Layout of the frame





Fixing the vertical rails

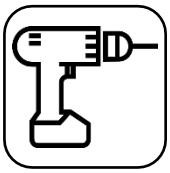


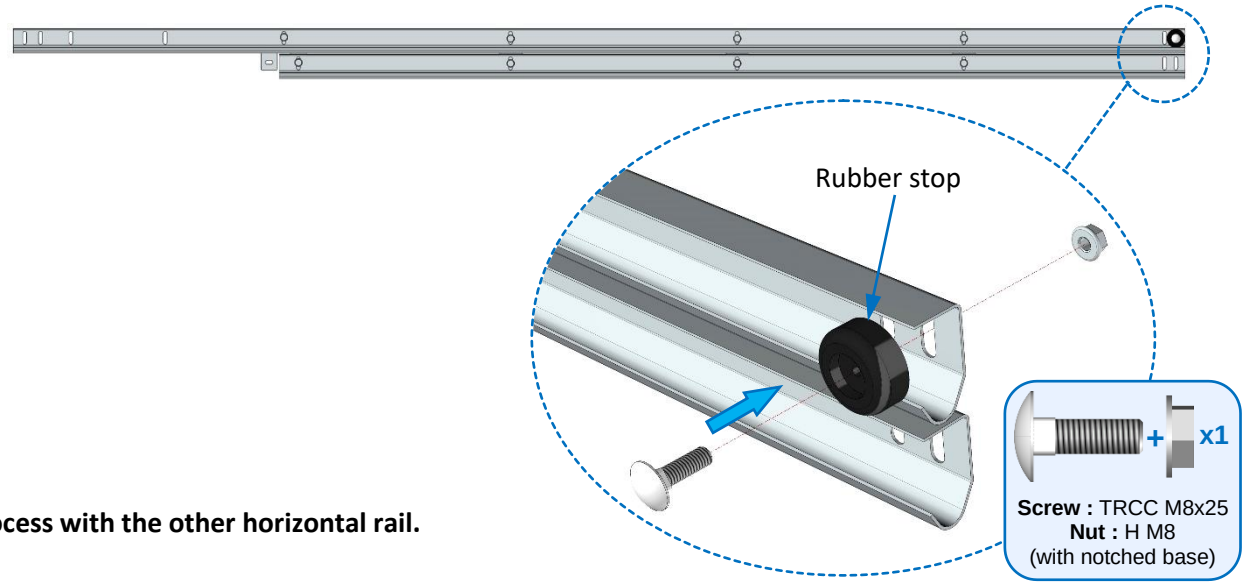


Repeat the process on the opposite side.

Horizontal rail installation

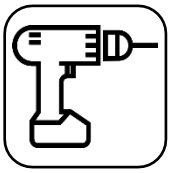
Assembling the stops (motorised doors)



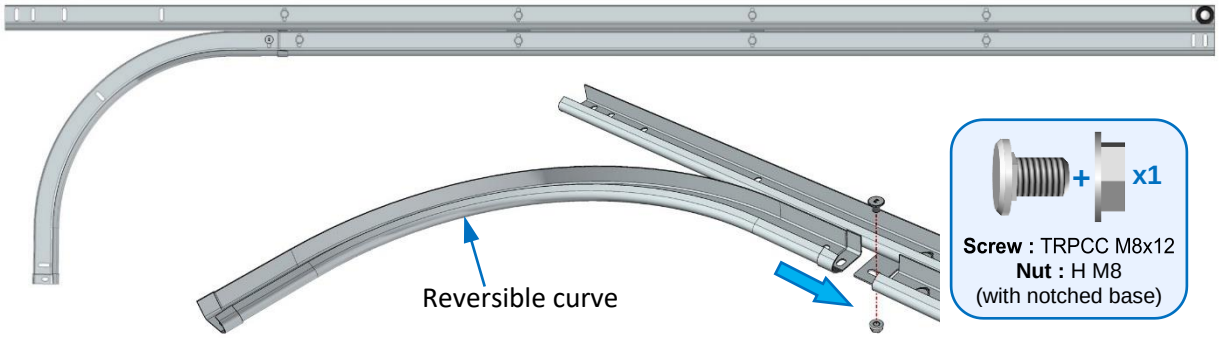


Repeat the process with the other horizontal rail.

Assembling the curves

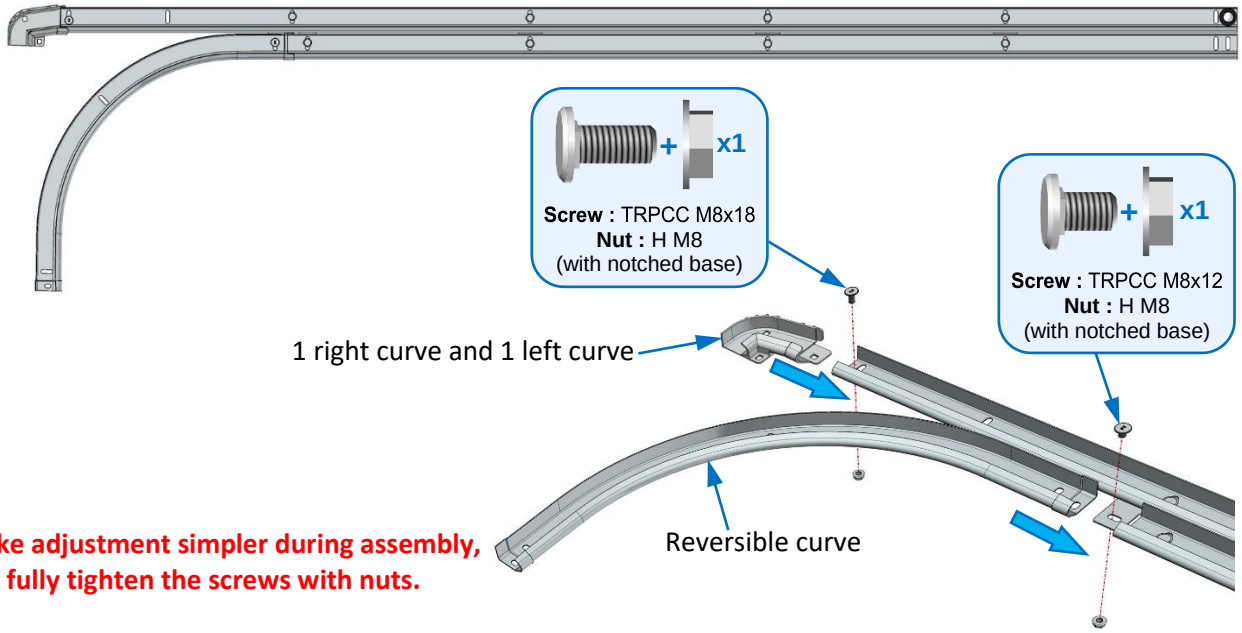


HORIZONTAL RAILS for Motorised doors



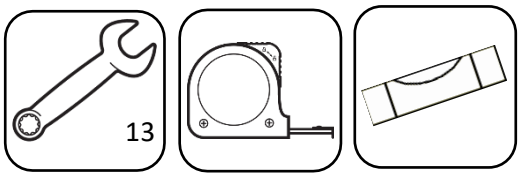
OR

HORIZONTAL RAILS for Manual doors

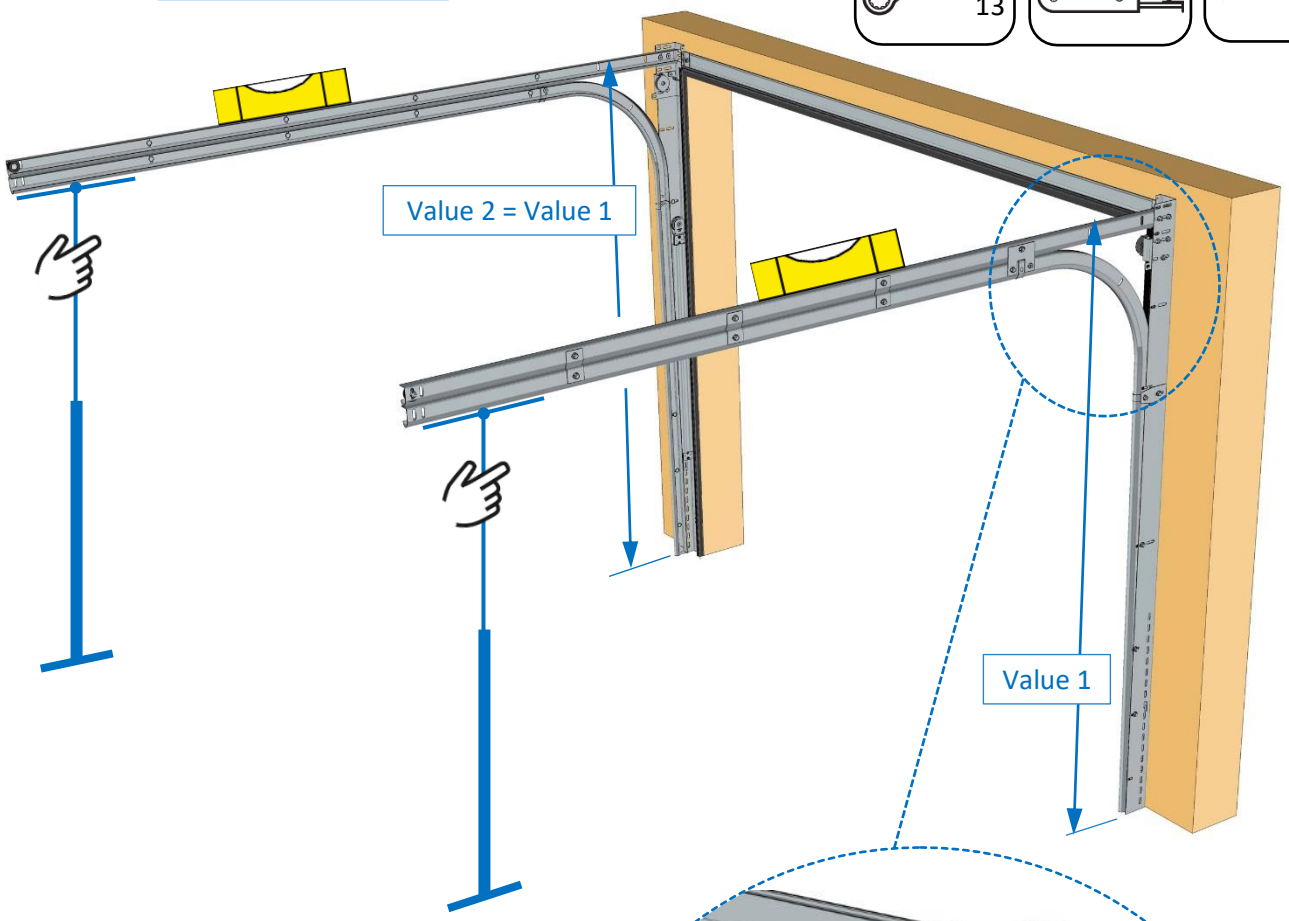


To make adjustment simpler during assembly, do not fully tighten the screws with nuts.

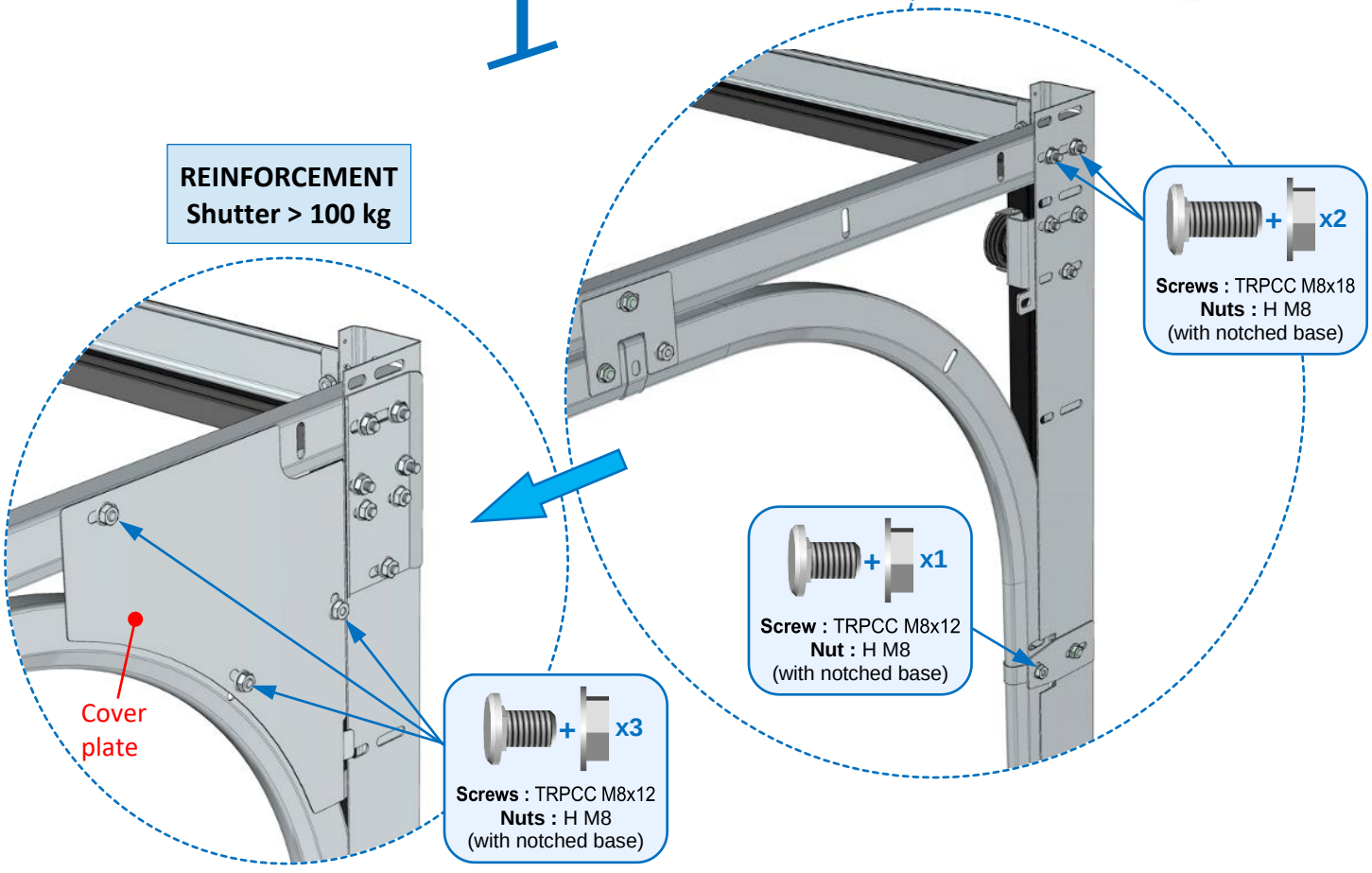
Fixing the horizontal rails



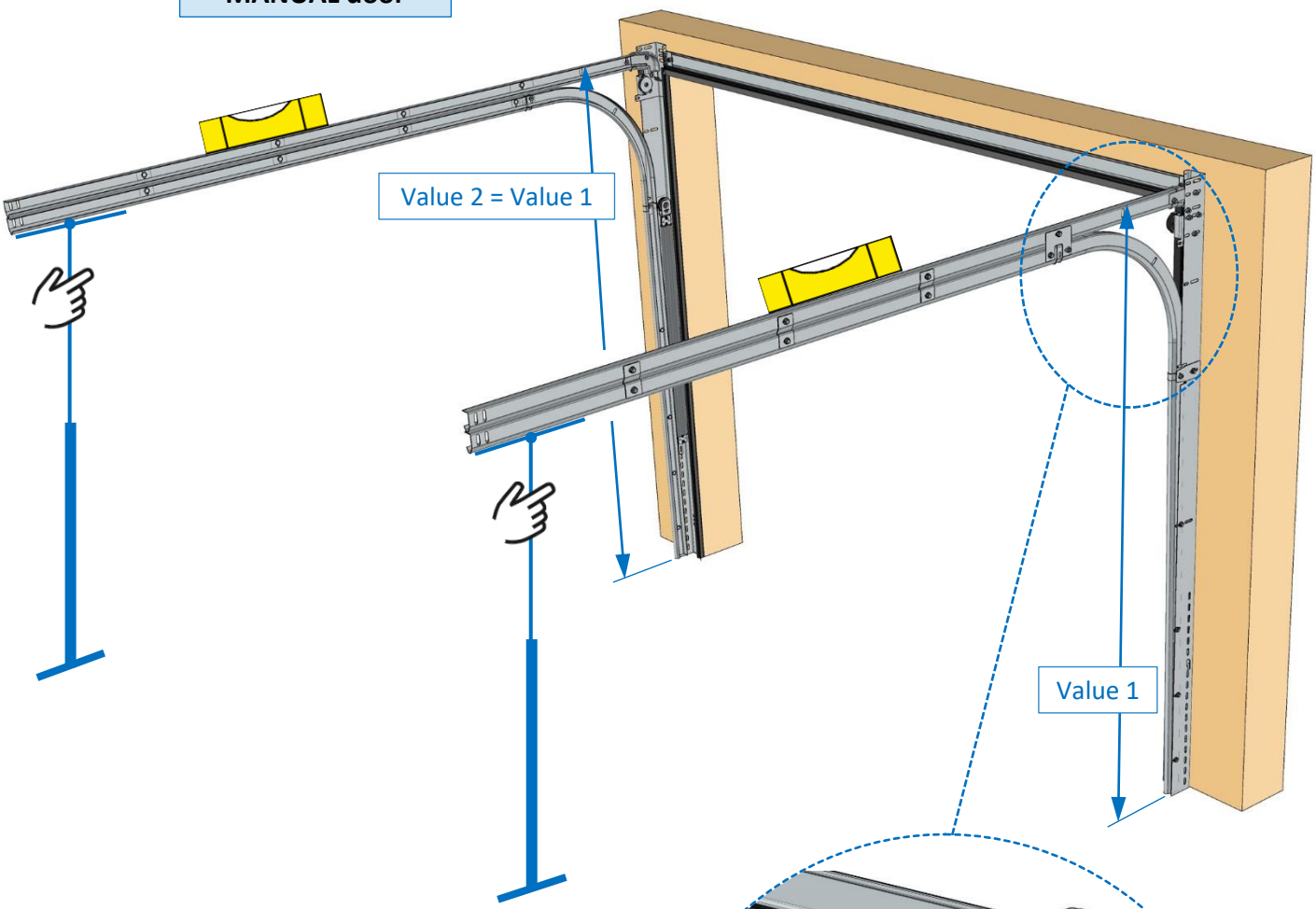
MOTORISED door



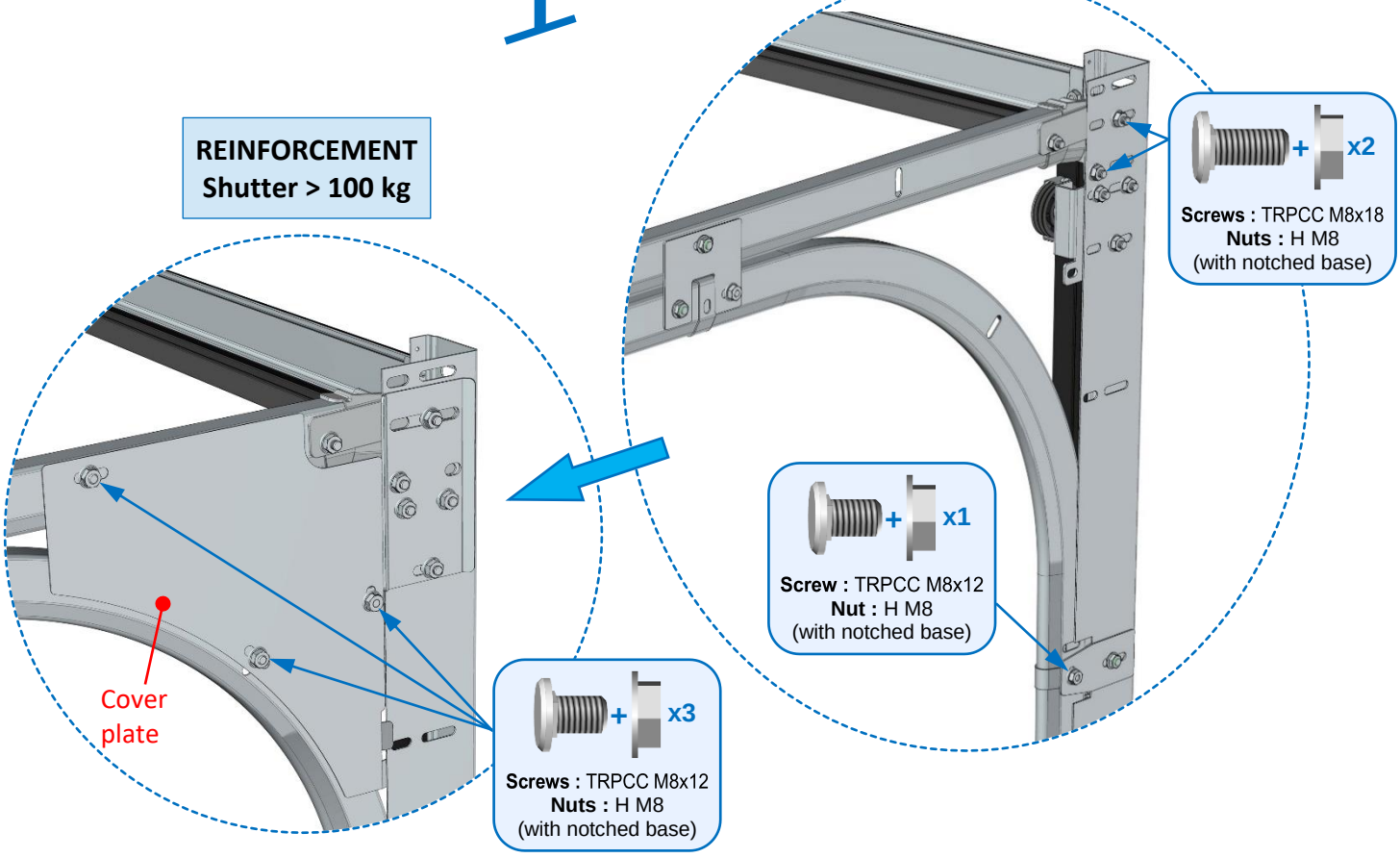
REINFORCEMENT
Shutter > 100 kg



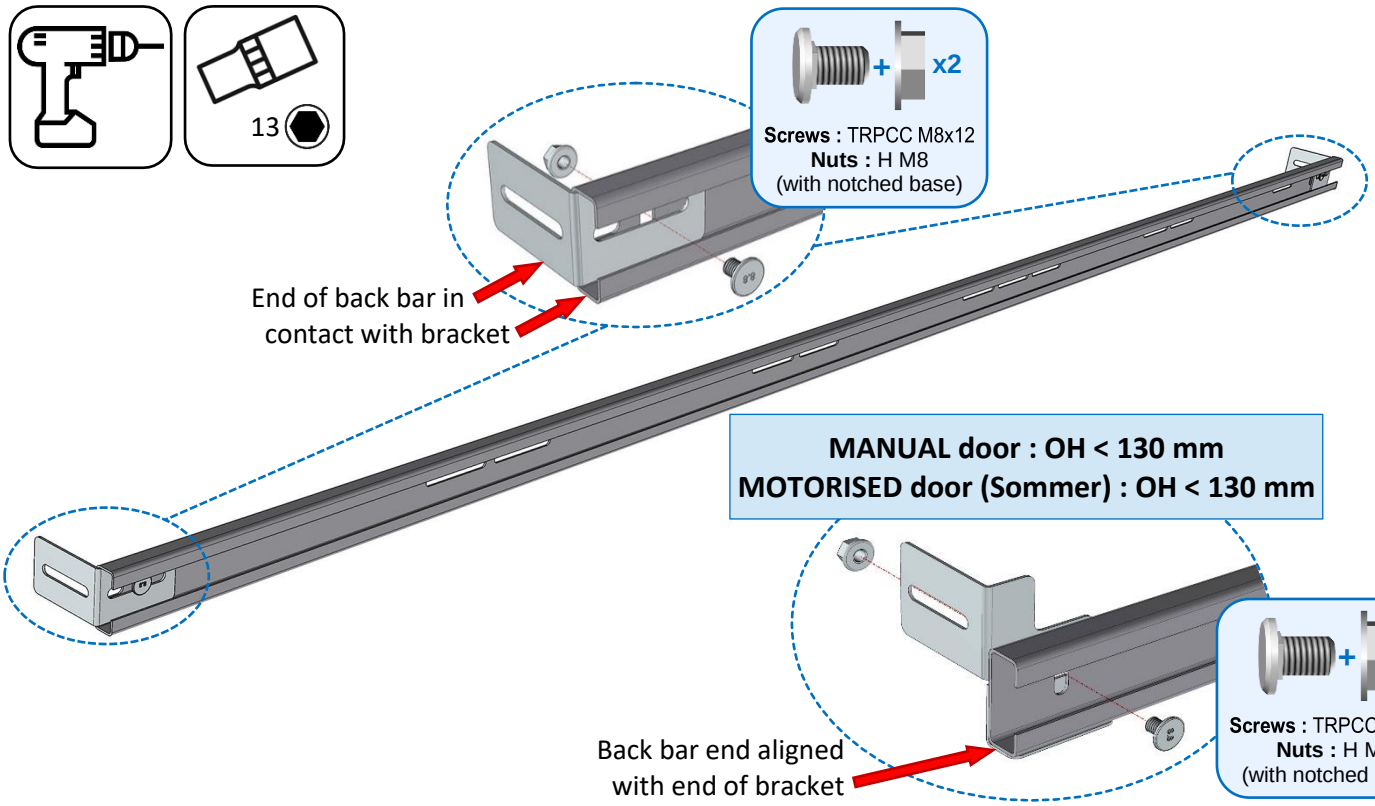
MANUAL door



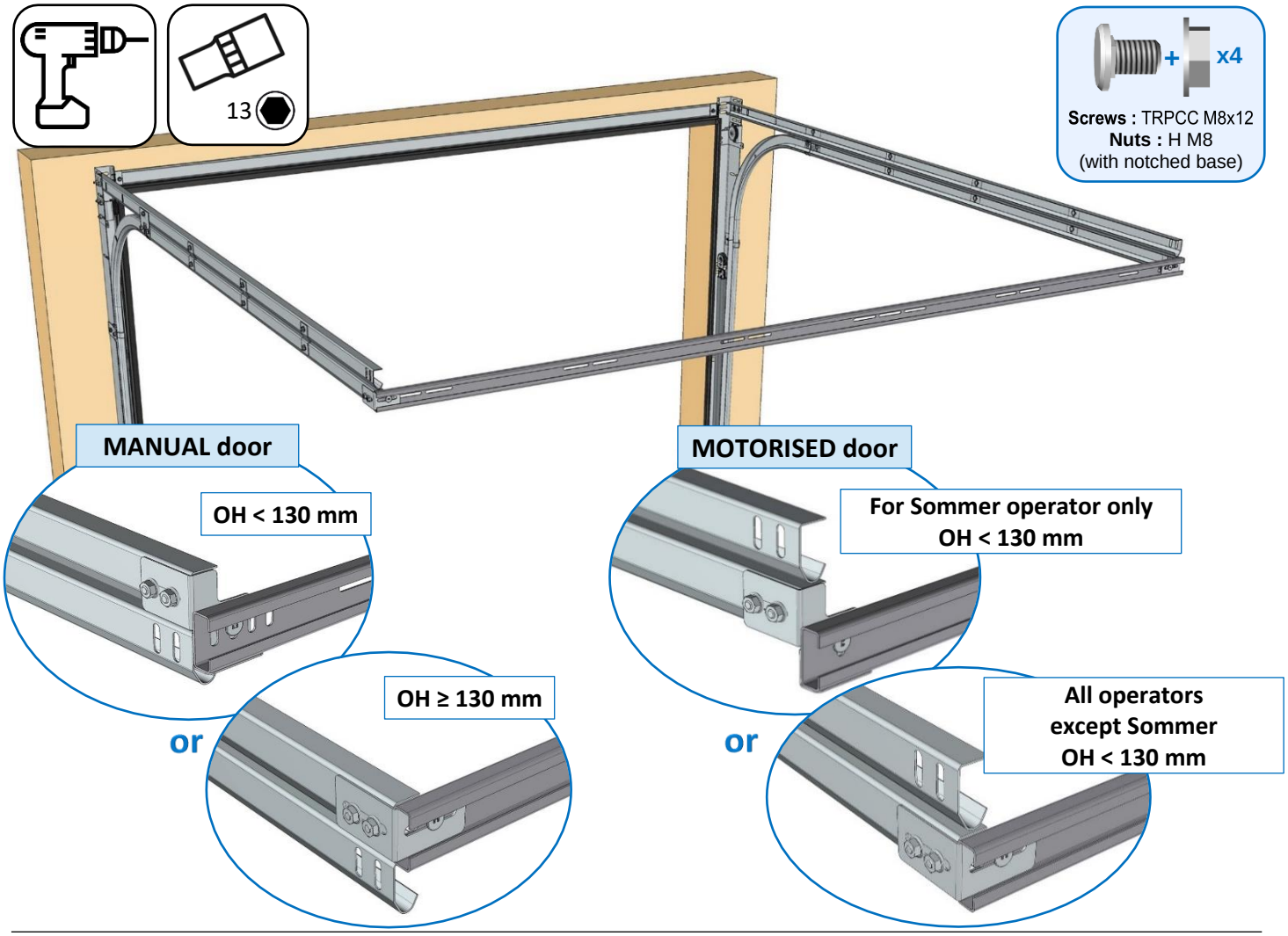
REINFORCEMENT
Shutter > 100 kg



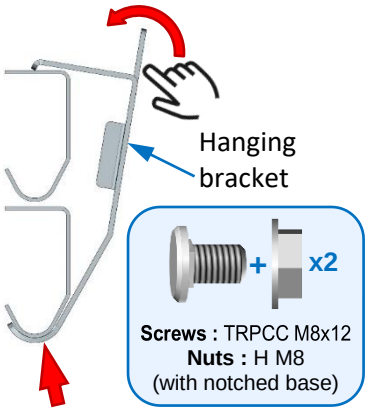
Assembling the back bar brackets



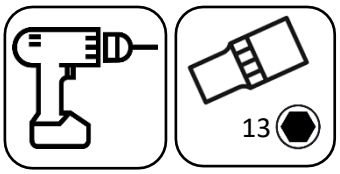
Installing the back bar



Installing the hangers

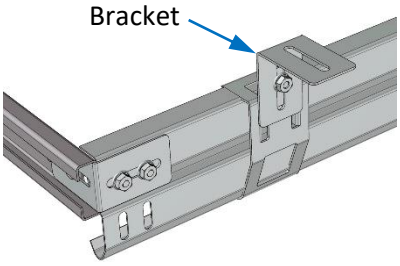


⚠ **Do not fasten the hangers to the masonry.**
Do not fully tighten the screws with nuts.

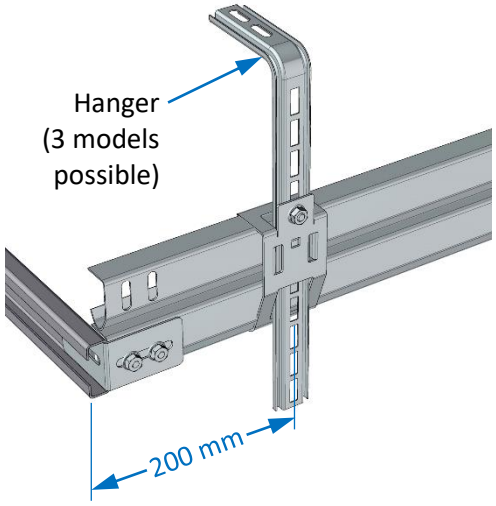


Adapt the number of hangers to the dimensions of the doors :
- 2 hangers, if PW ≤ 3,000 or PH ≤ 2,150 mm
- 4 hangers, if PW > 3,000 or PH > 2,150 mm

Assembly : OH < 130 mm

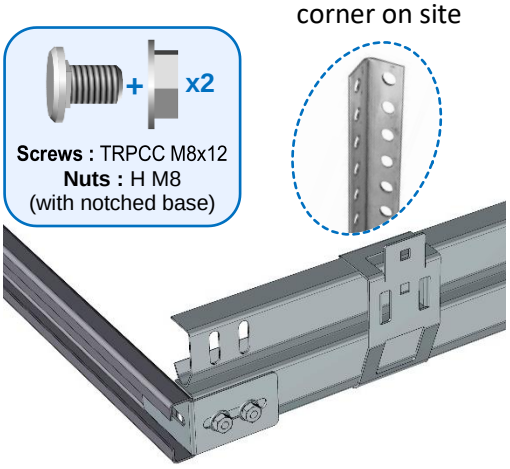


Assembly : 130 mm ≤ OH ≤ 440 mm



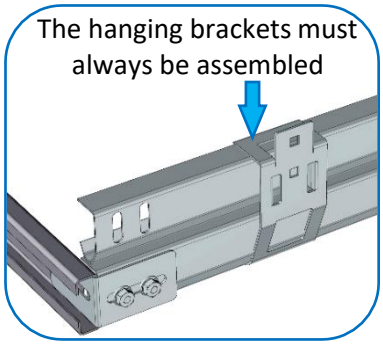
Assembly : OH > 440 mm

Adapt the perforated corner on site

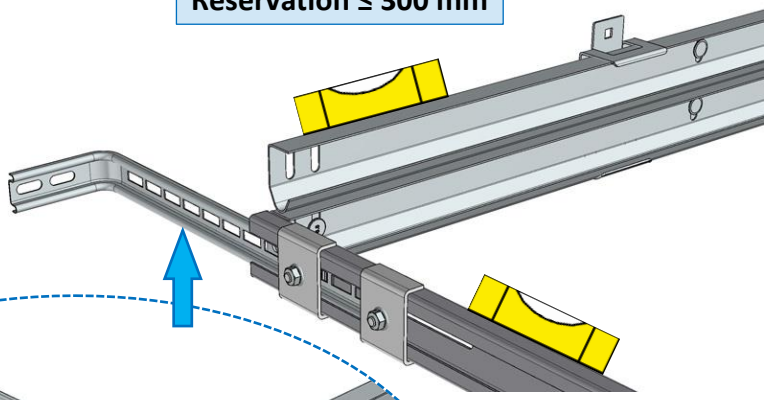


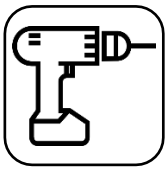
Back bar extension (option)

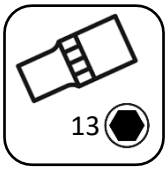
The hanging brackets must always be assembled

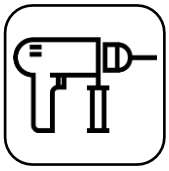


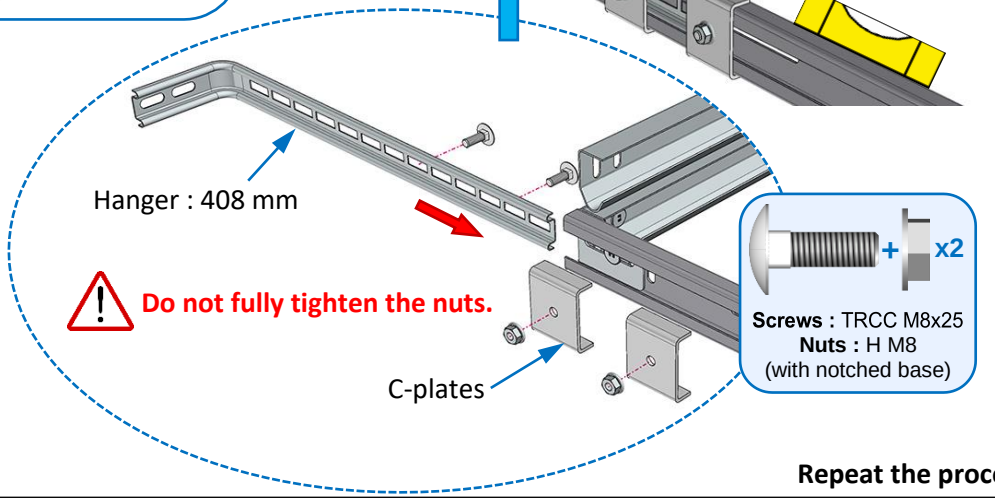
Reservation ≤ 300 mm





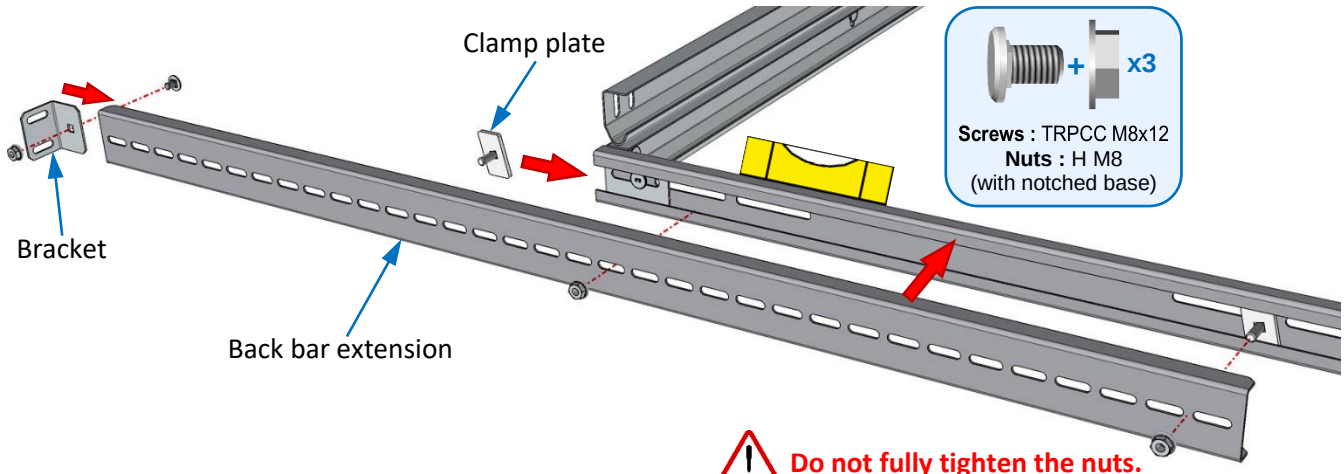






Repeat the process on the opposite side

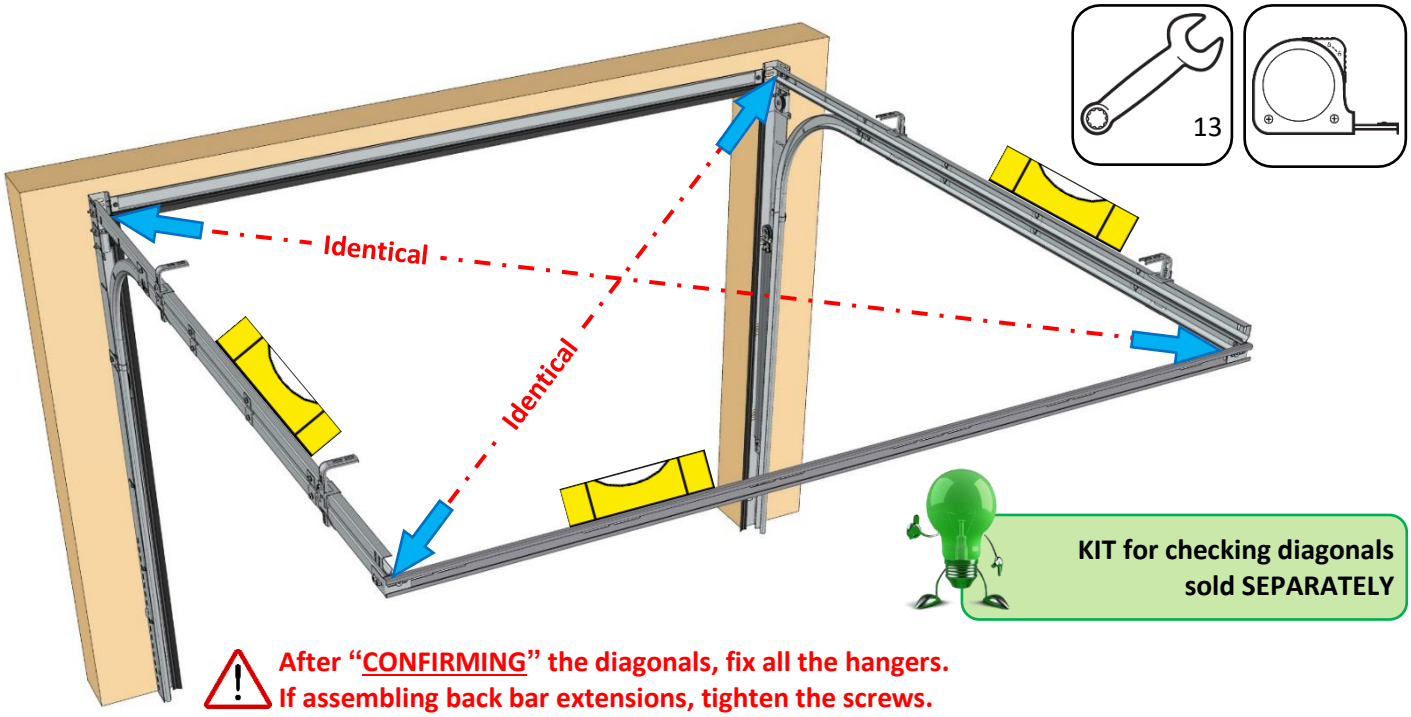
300 mm < Reservation ≤ 1,000 mm



Repeat the process on the opposite side.

Do not fully tighten the nuts.

Checking the diagonals

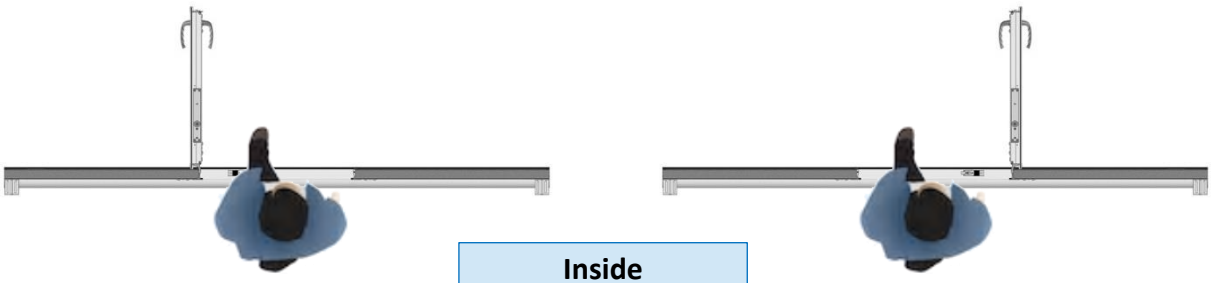


KIT for checking diagonals sold SEPARATELY

After "CONFIRMING" the diagonals, fix all the hangers.
If assembling back bar extensions, tighten the screws.

Panel preparation

Identifying the opening direction

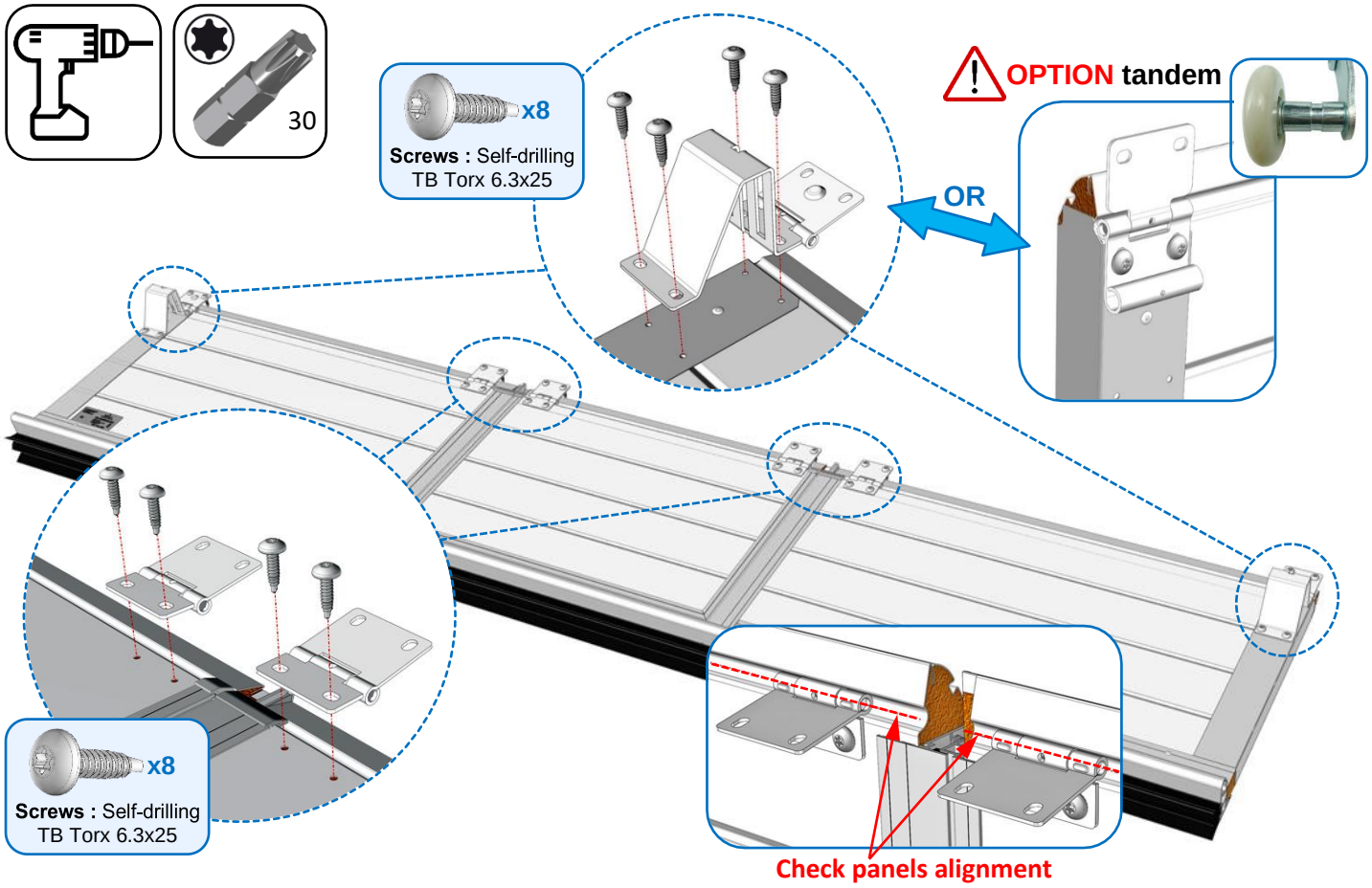


Opening to the left

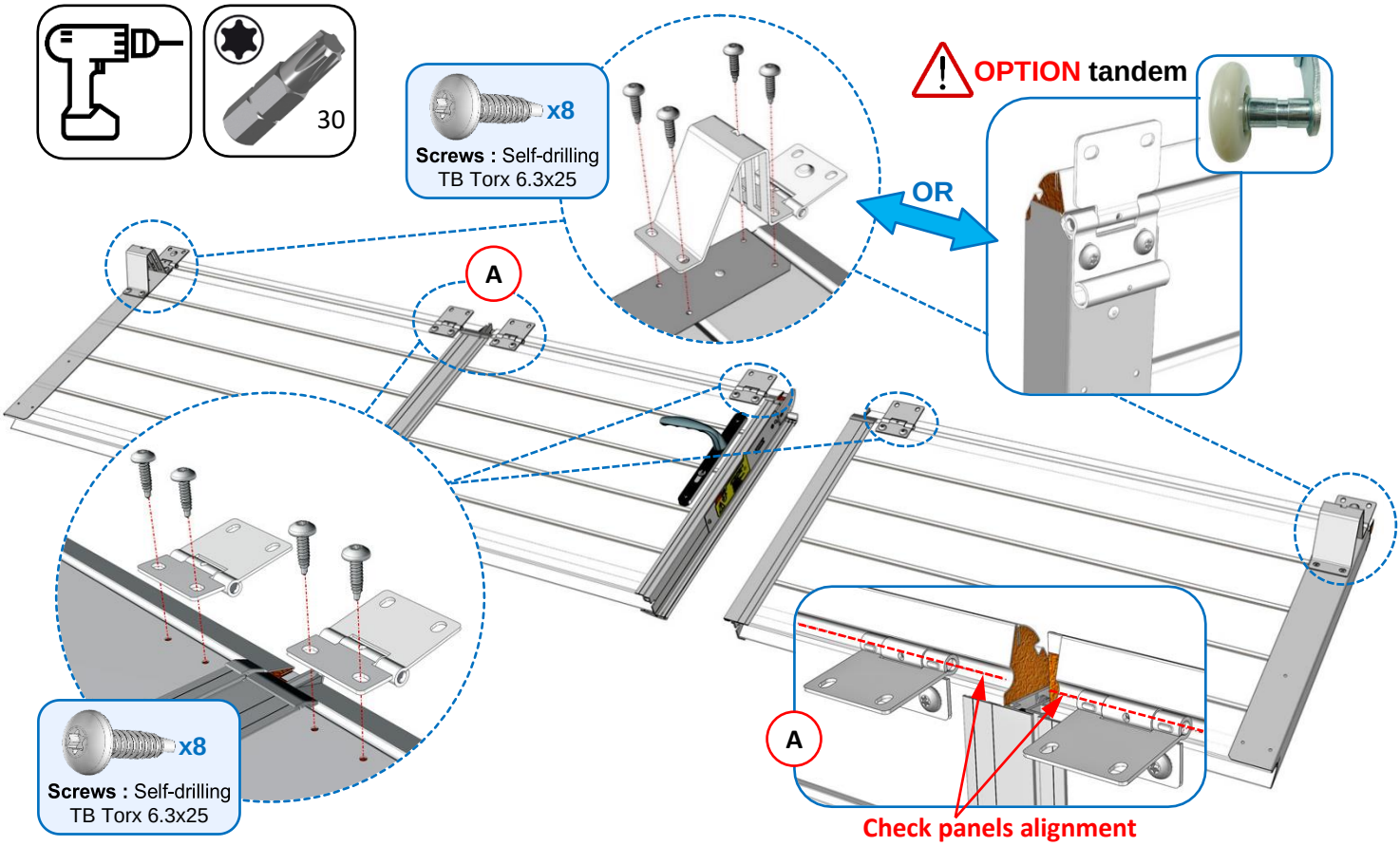
Inside

Opening to the right

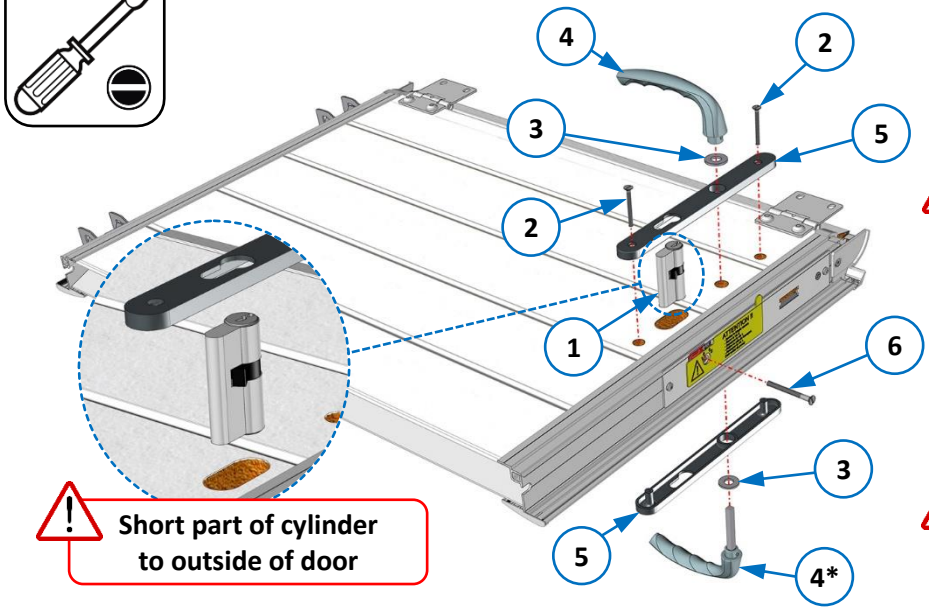
Bottom panel



Intermediate panel(s)



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

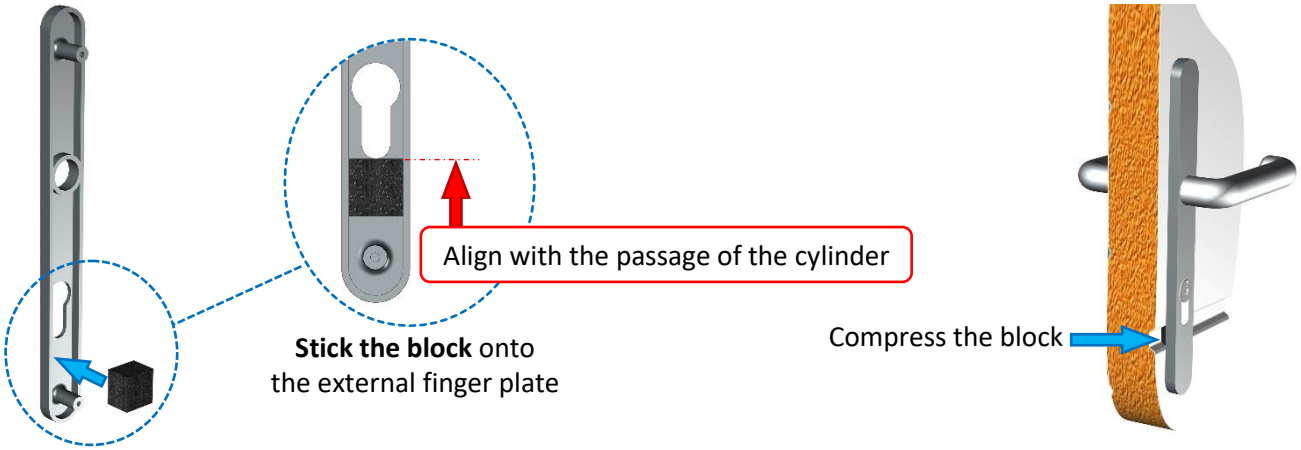


Fix the finger plate screws on the inside of the door.

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

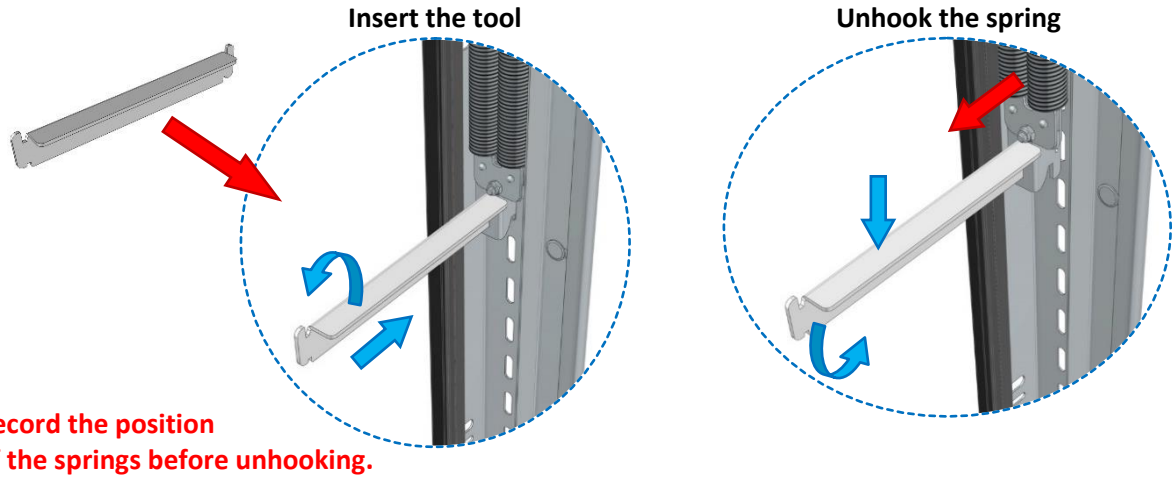
If OH ≤ 130 mm, assemble the reduced handle (4*) on the outside.

Specific case : Single-grooved panel



Shutter assembly

Unhooking the springs

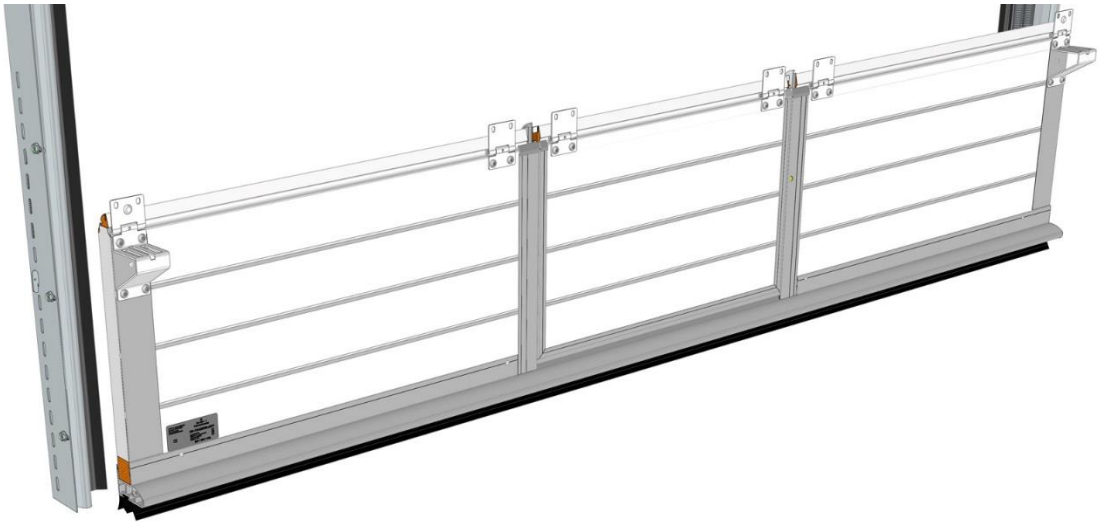


Record the position of the springs before unhooking.

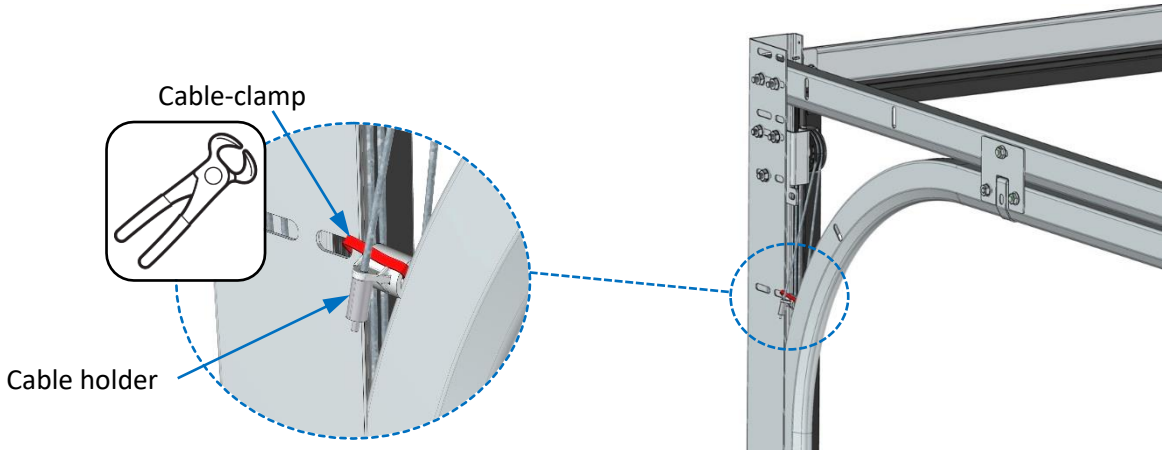
Repeat the process on the opposite side.

Bottom panel installation illustrated with standard 60 mm threshold
See specific information for reduced 30 mm threshold

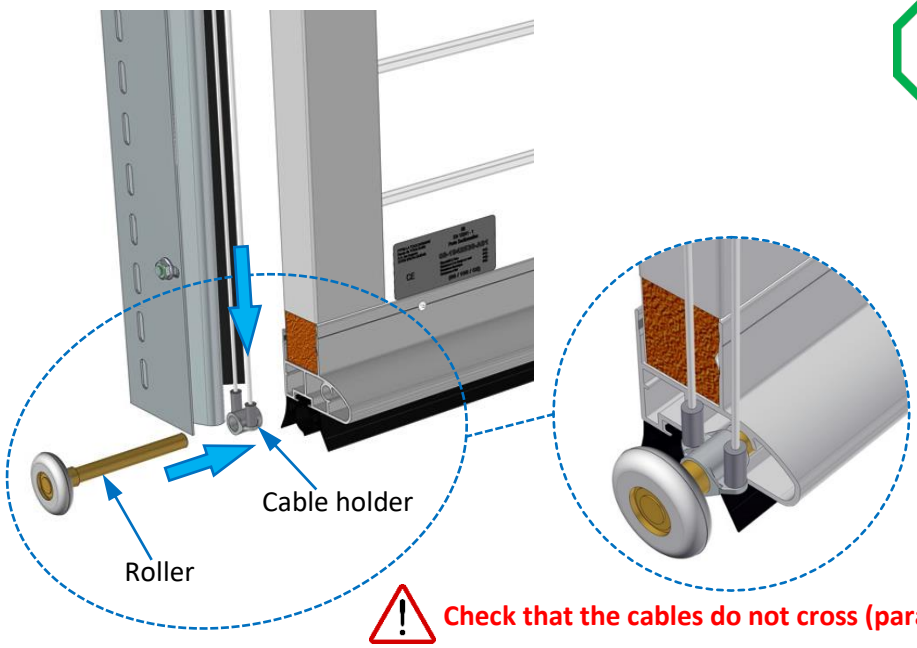
Position the panel in front of the rails :



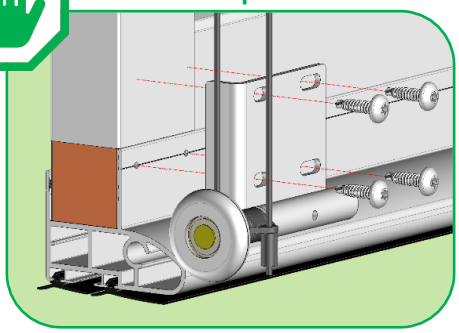
Cut the LEFT side of the cable-clamp :



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

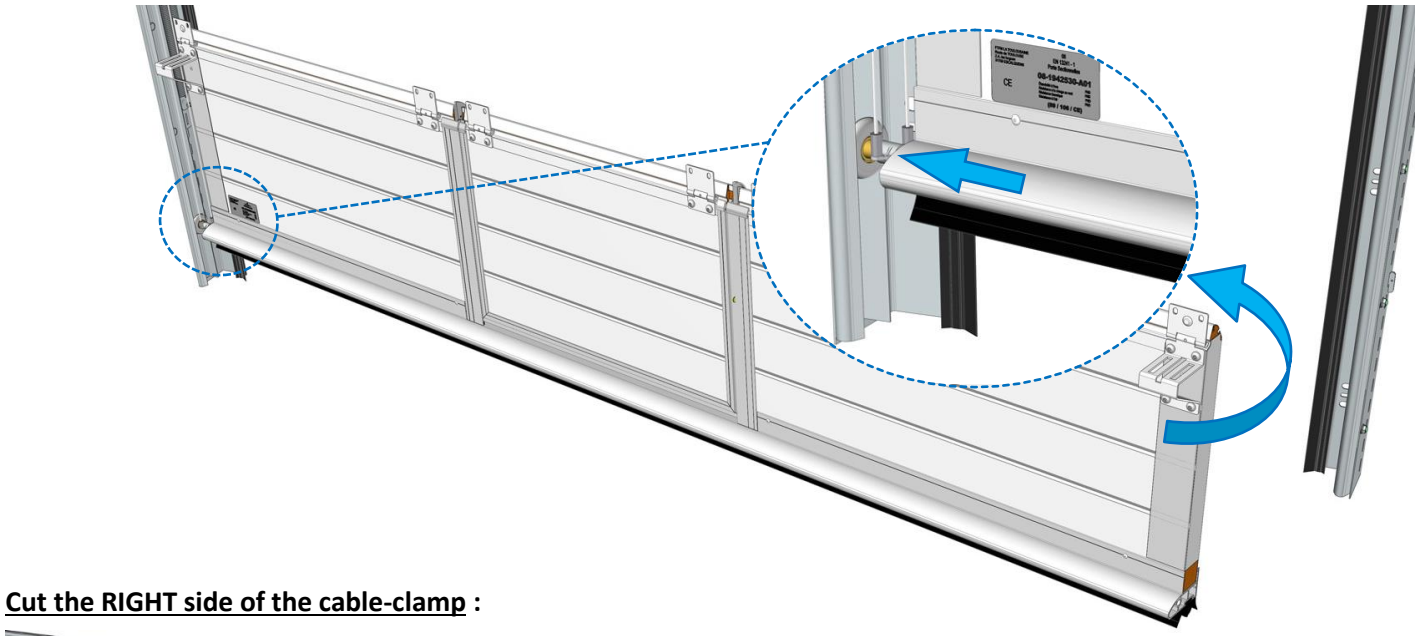


If reduced 30 mm threshold
= Low suspension

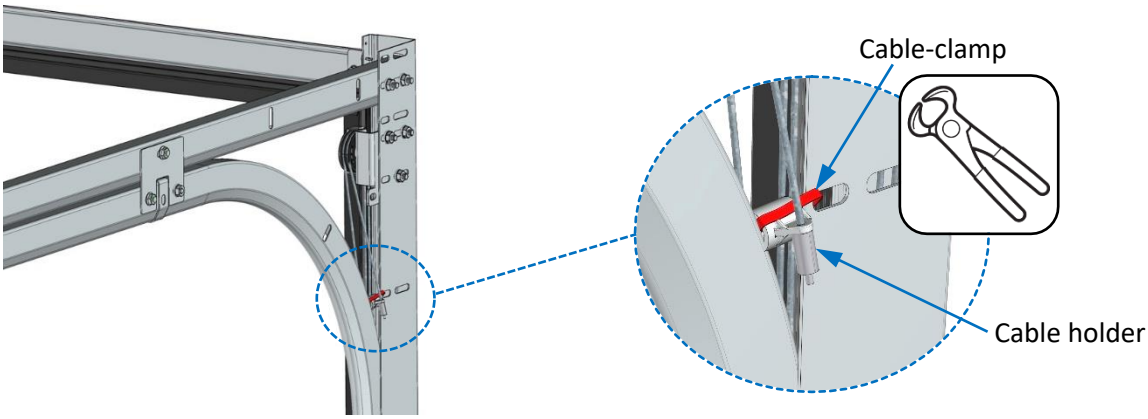


Check that the cables do not cross (parallel cables).

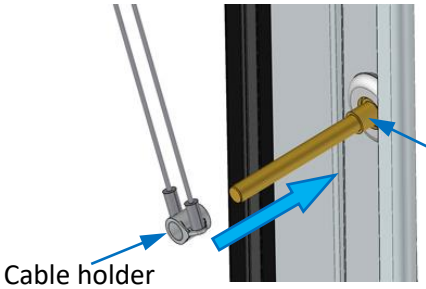
Insert the « roller/cable holder assembly » in the LEFT vertical rail :



Cut the RIGHT side of the cable-clamp :

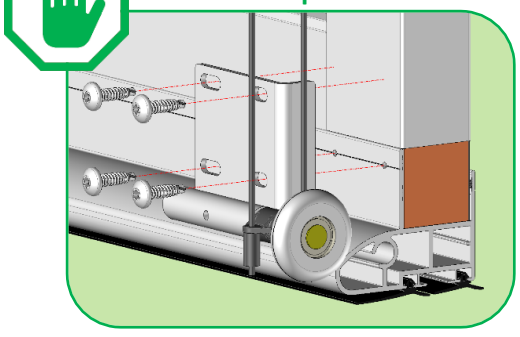


Insert the « roller » and « cable holder » in the RIGHT vertical rail :

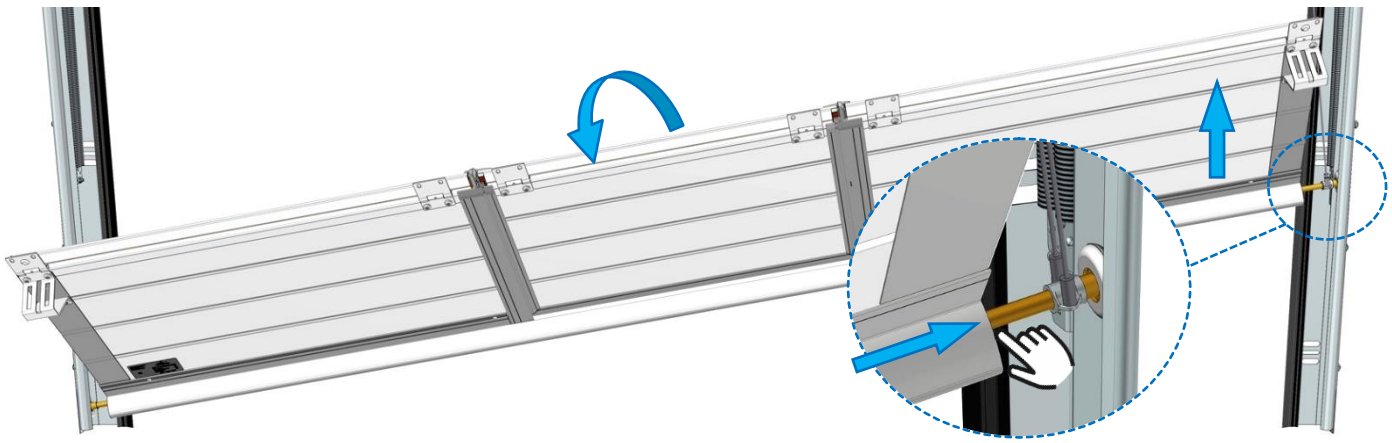


Check that the cables do not cross (parallel cables).

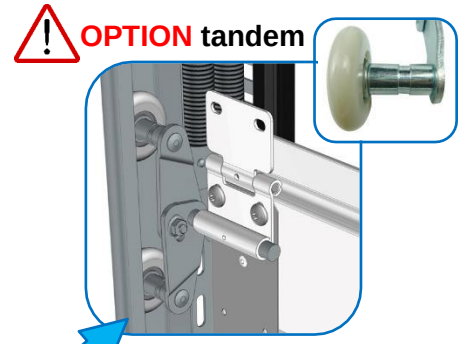
If reduced 30 mm threshold = Low suspension



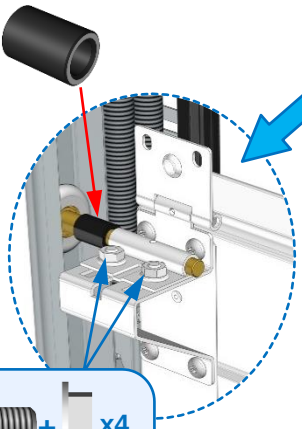
Insert the « roller/cable holder assembly » in the threshold :

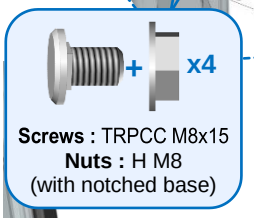


Insert shims and finalize the guides :

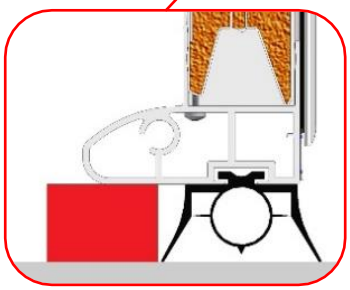


OR



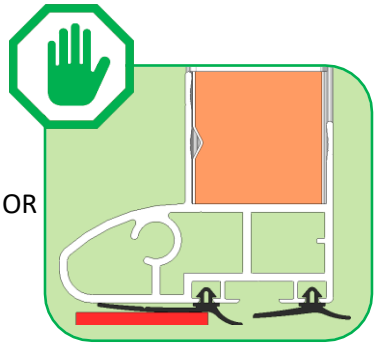


To install the bottom panel at the correct level, place shims (not supplied) high enough under the threshold to avoid flattening the bottom seal when assembling the panels.



Standard 60 mm threshold
= Shim height 40 mm

OR



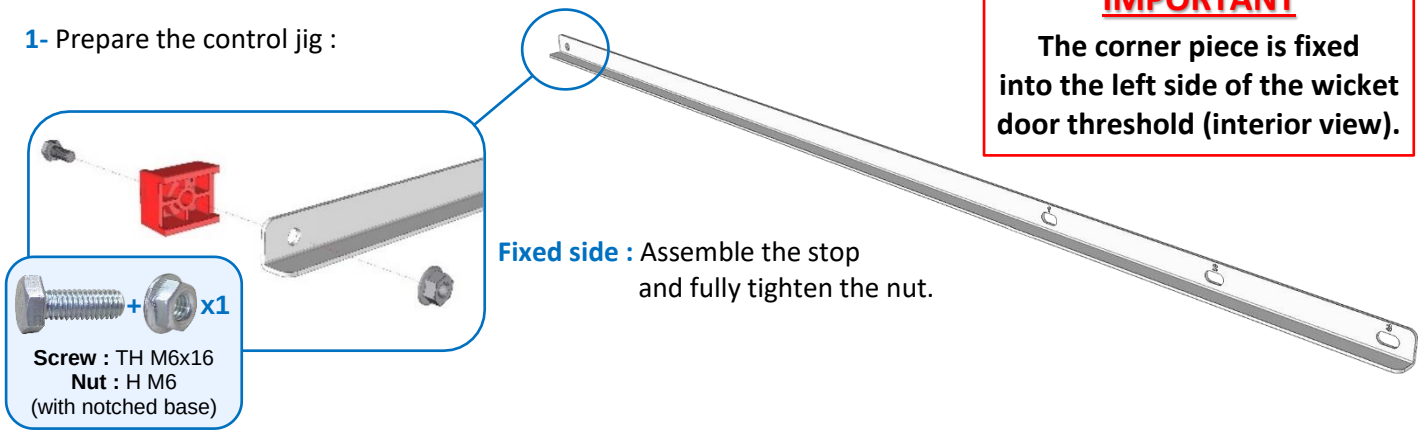
If reduced 30 mm threshold
= Shim height 10 mm

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

Insert shims and check the wicket door :

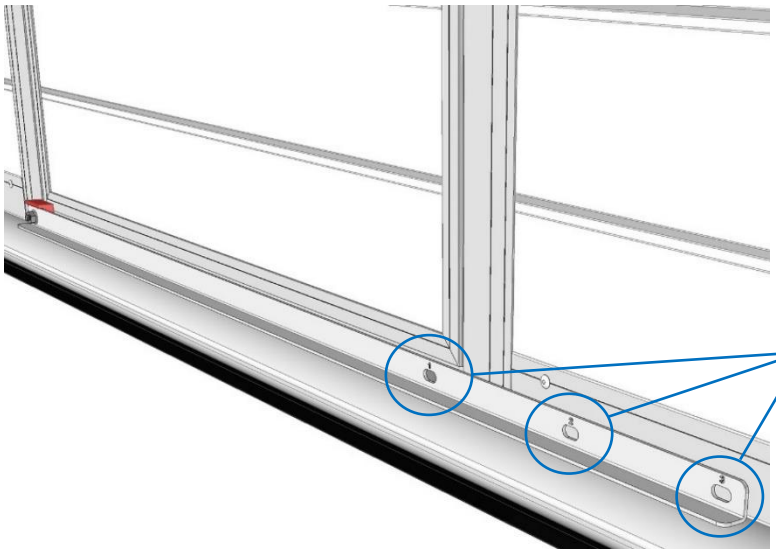
IMPORTANT
The corner piece is fixed into the left side of the wicket door threshold (interior view).

1- Prepare the control jig :



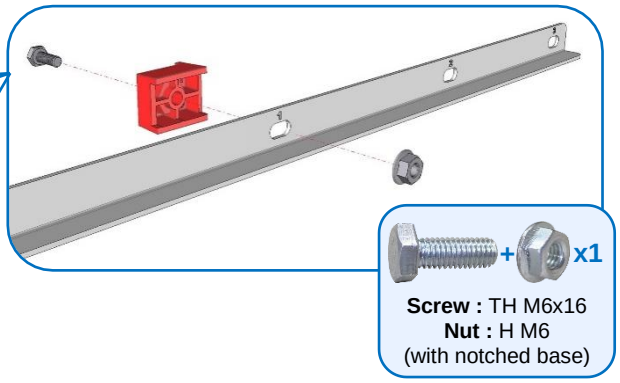
Fixed side : Assemble the stop and fully tighten the nut.

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

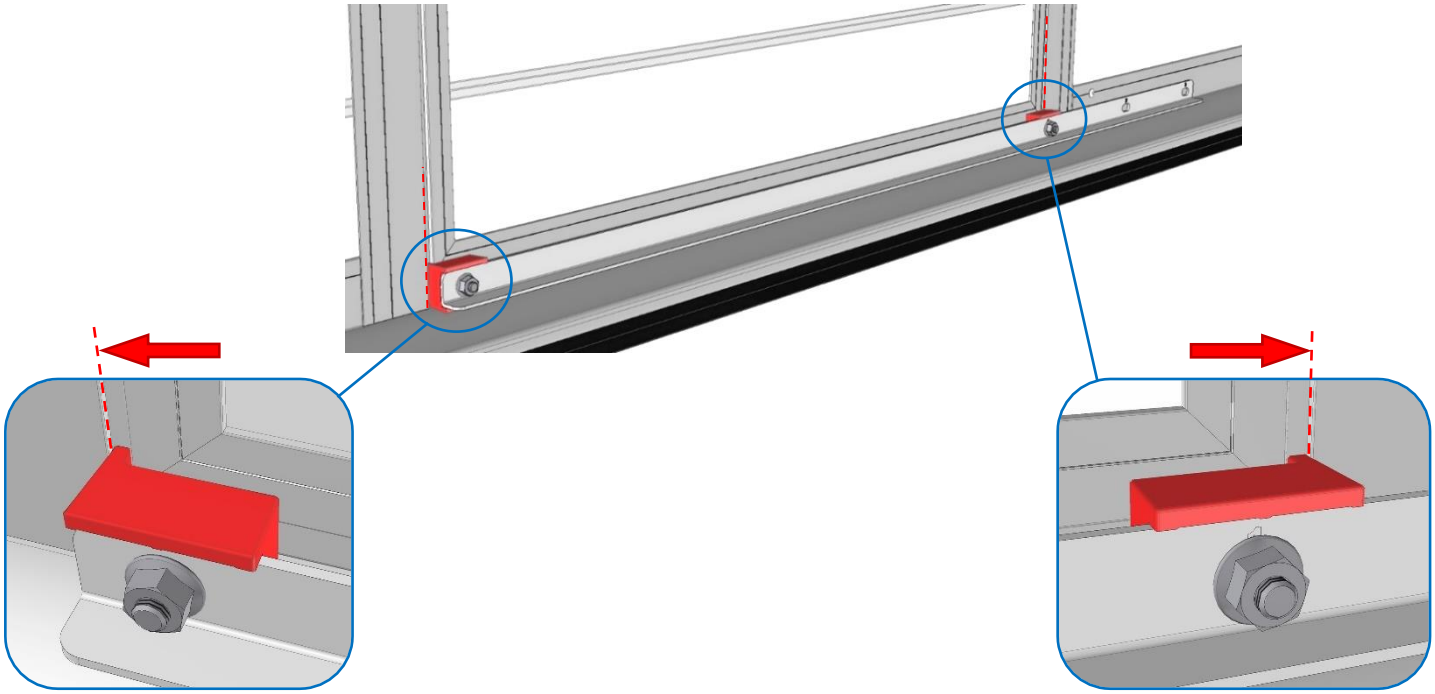


Mobile side :
Position the stop on the corner piece according to the wicket door width ; assemble it and fully tighten the nut.

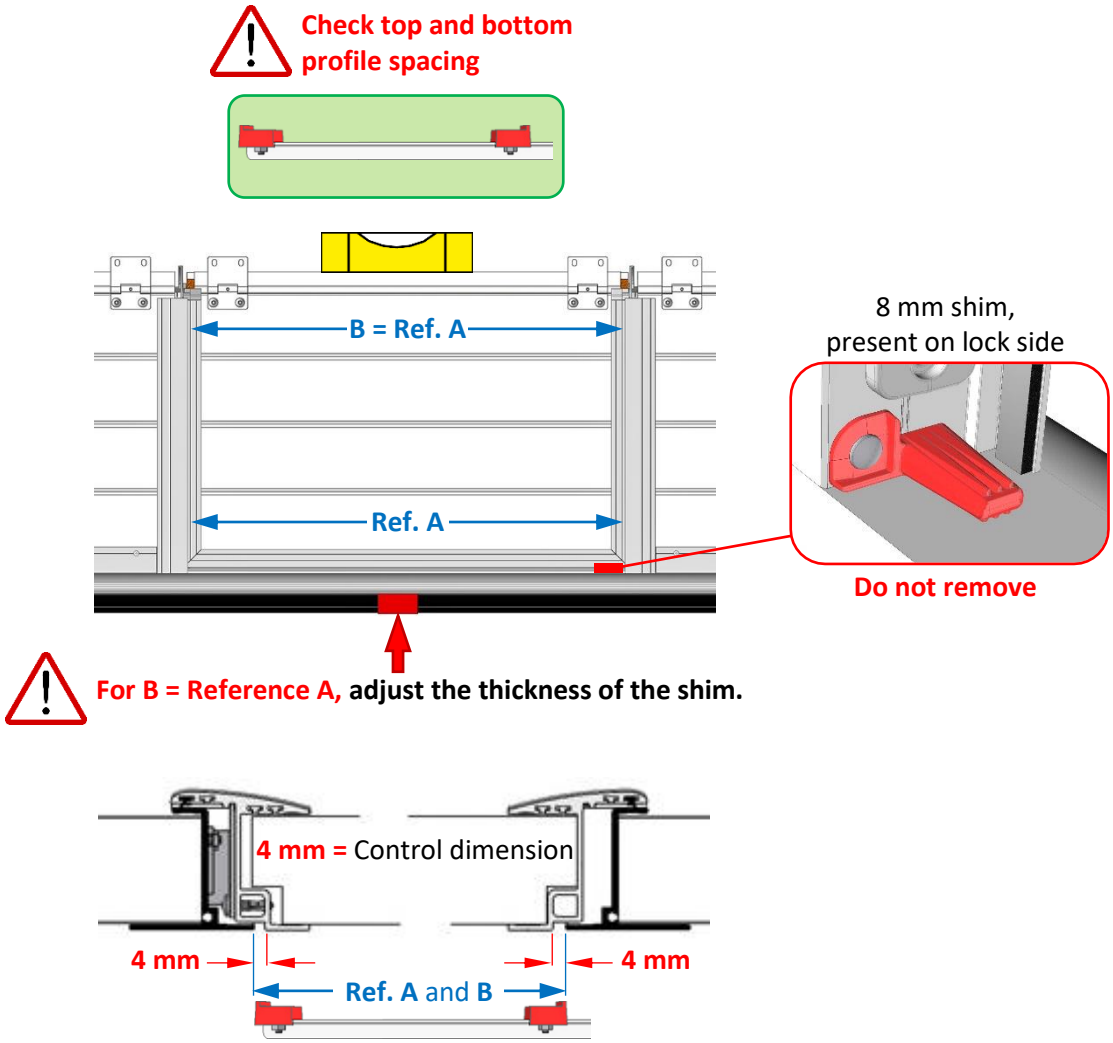
Wicket door width	Position of the stop
L (659 mm)	1
XL (789 mm)	2
XXL (900 mm)	3



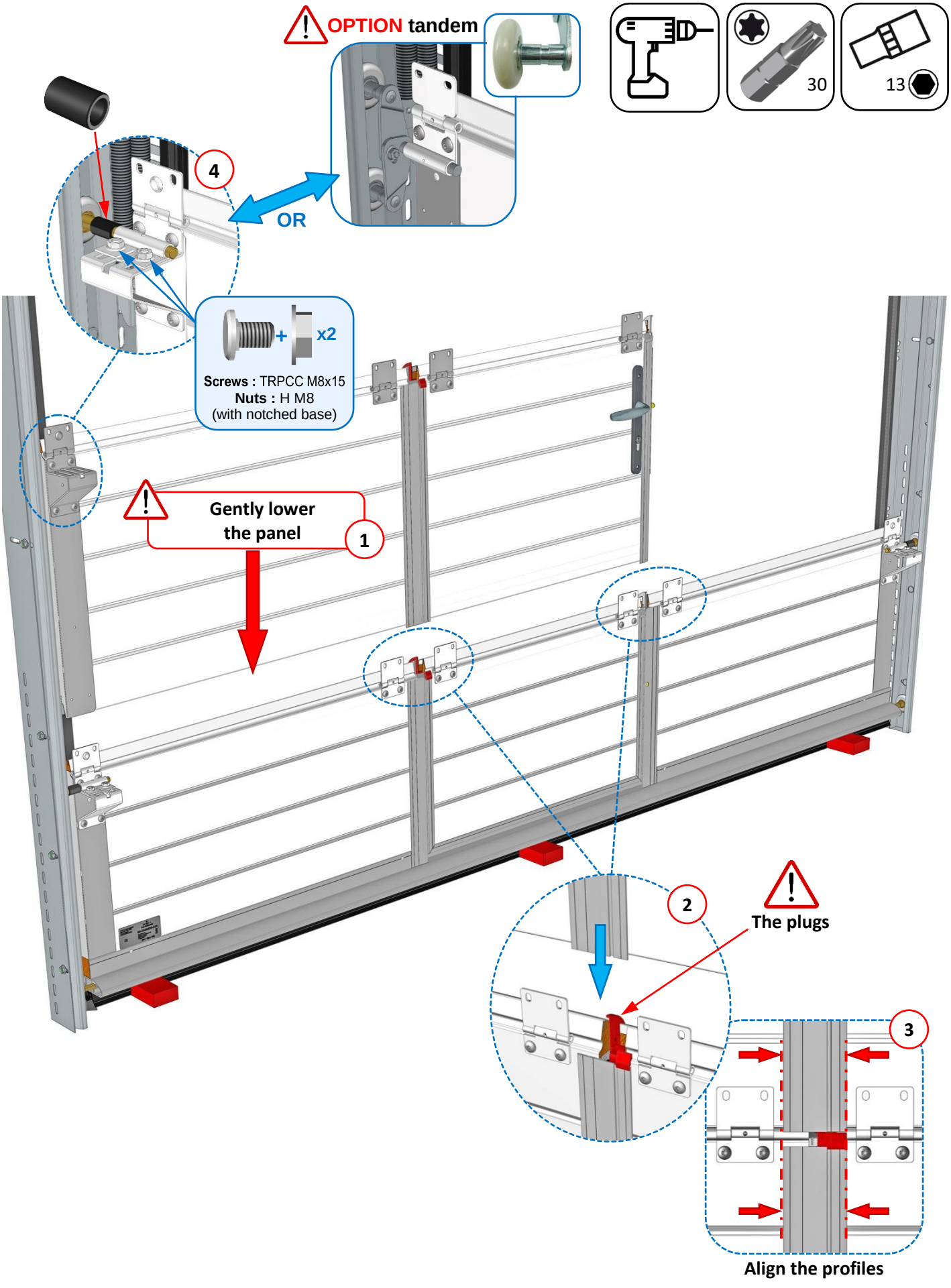
Please note : The stops must but up against the frame :

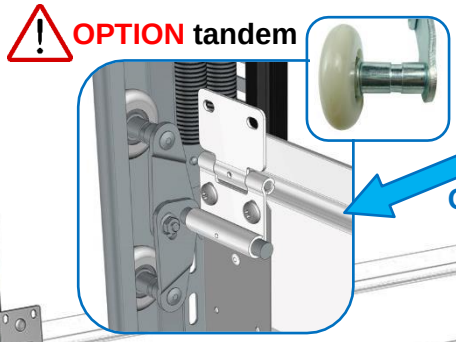


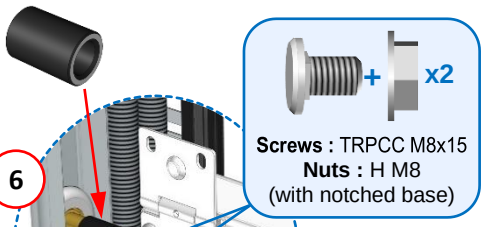
3- Use the jig to check the distance between the frames :



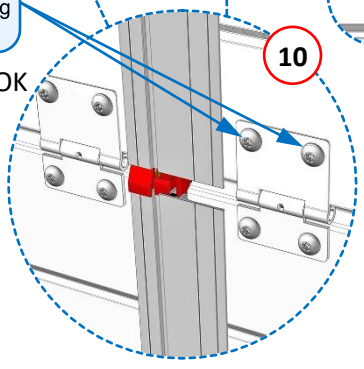
Installing intermediate panel 1

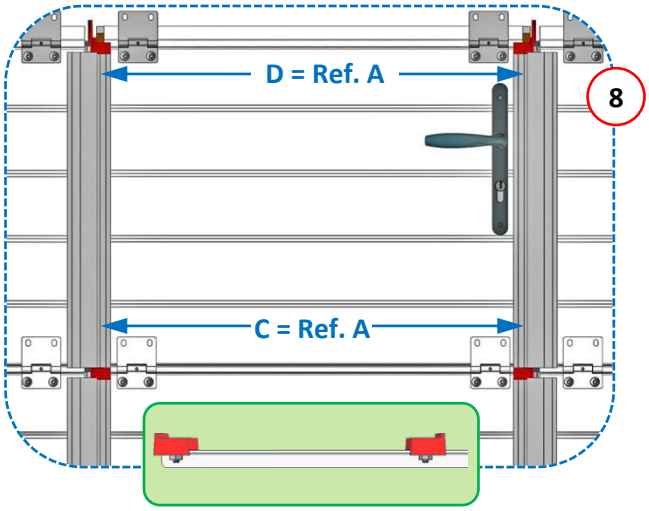




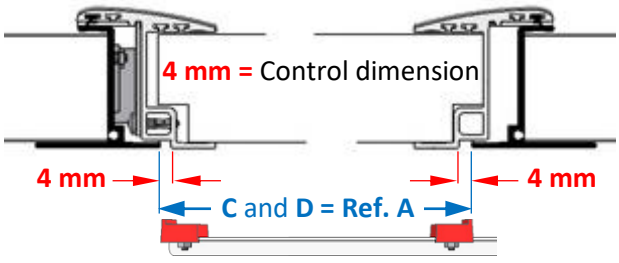


If (8) and (9) are OK





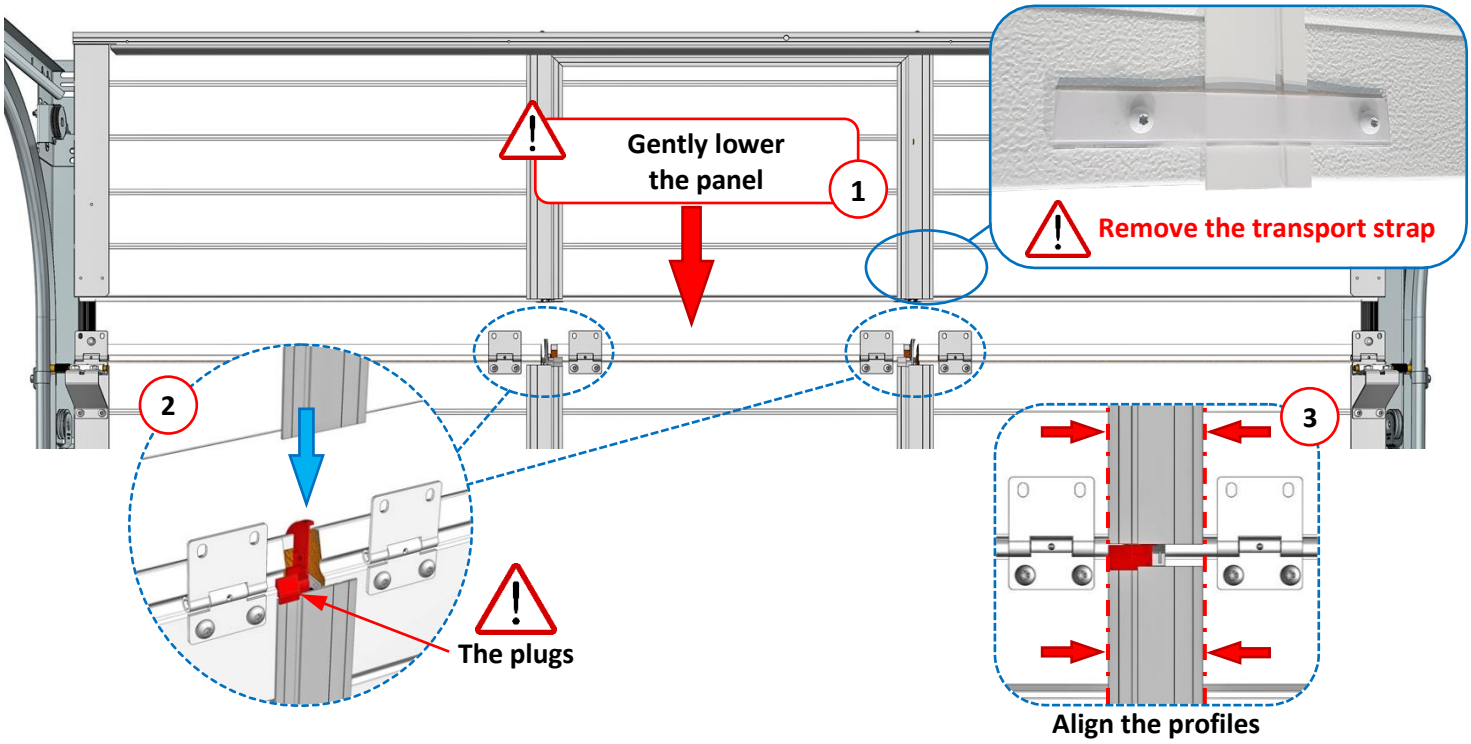
Check top and bottom profile spacing

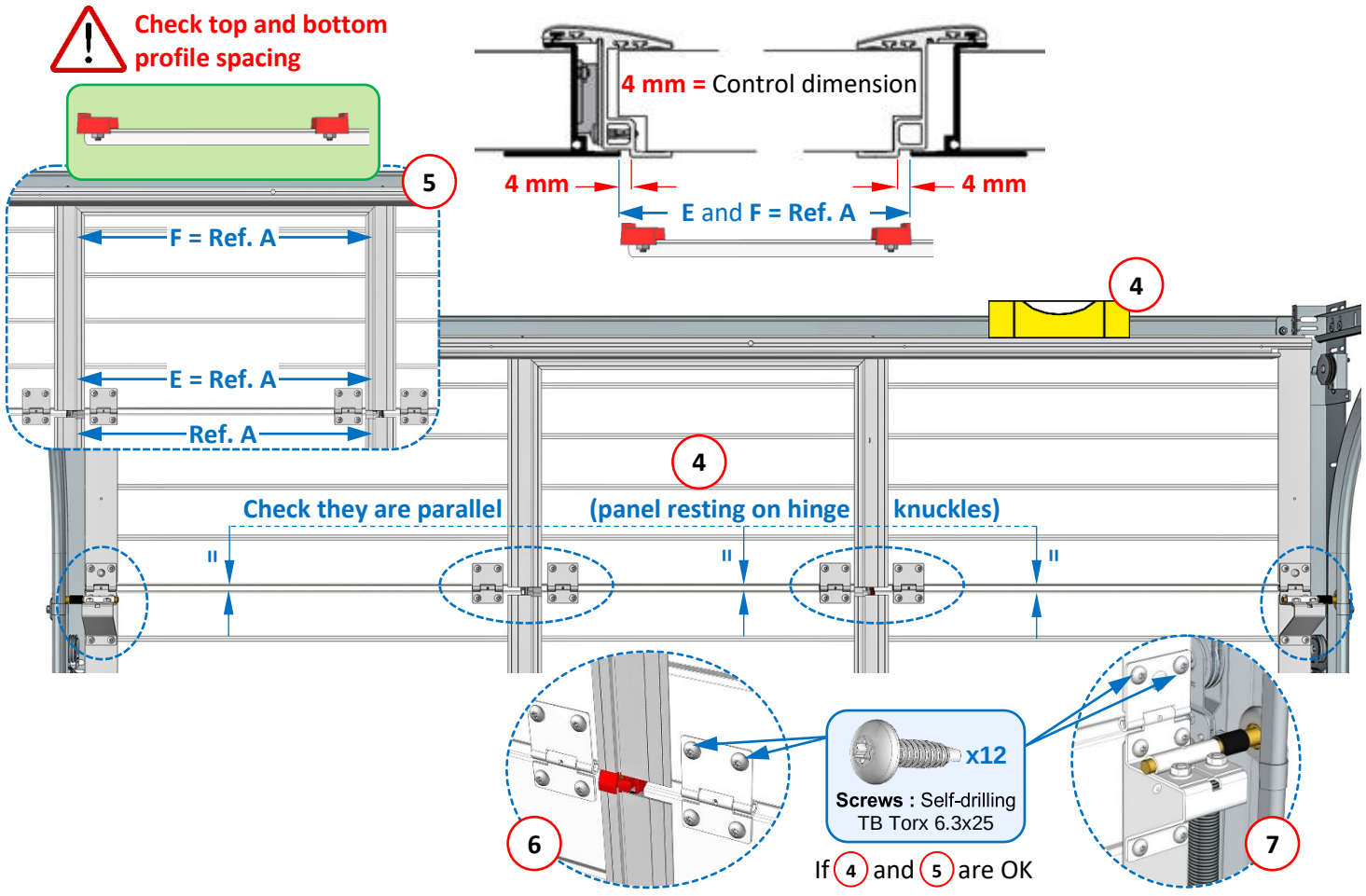


Please note : If installing intermediate panel 2, follow the same procedure as for intermediate panel 1.

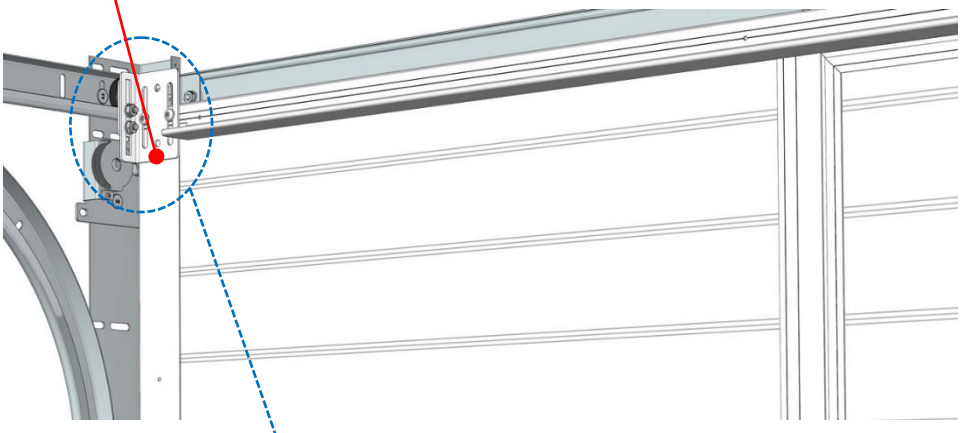
Installing the top panel

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 » section.

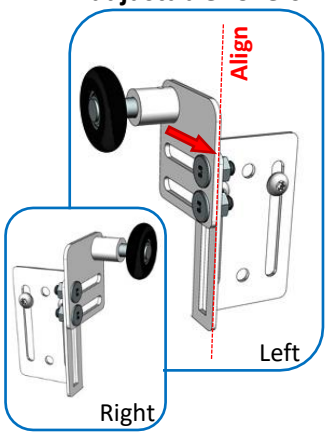


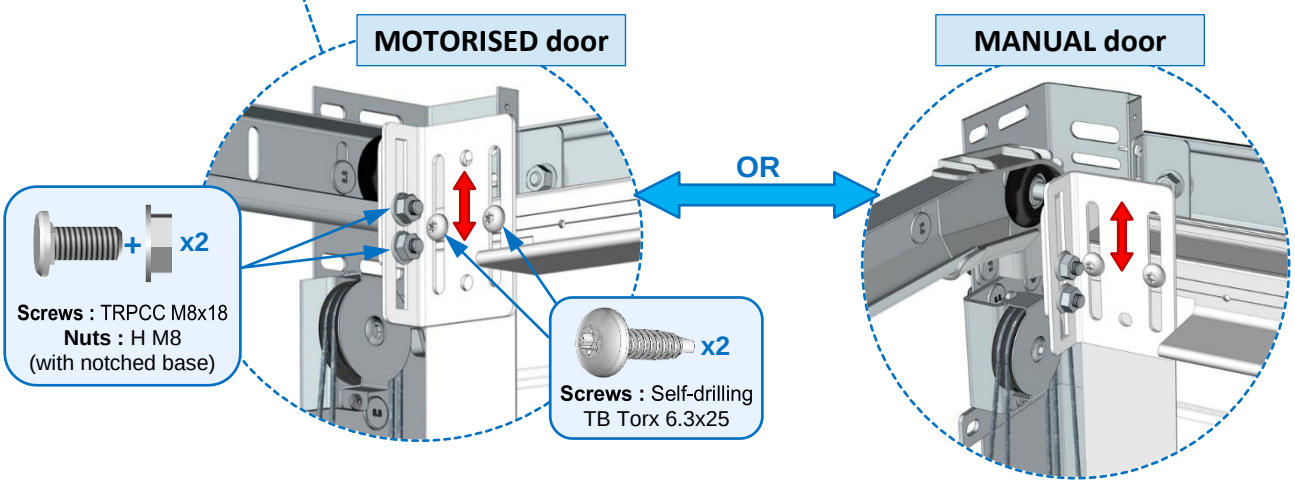


IMPORTANT : Remove the transport rivet from the edged column, so that the top roller support rests on a flat surface
(identical process on opposite side).



Assemble the adjustable rollers

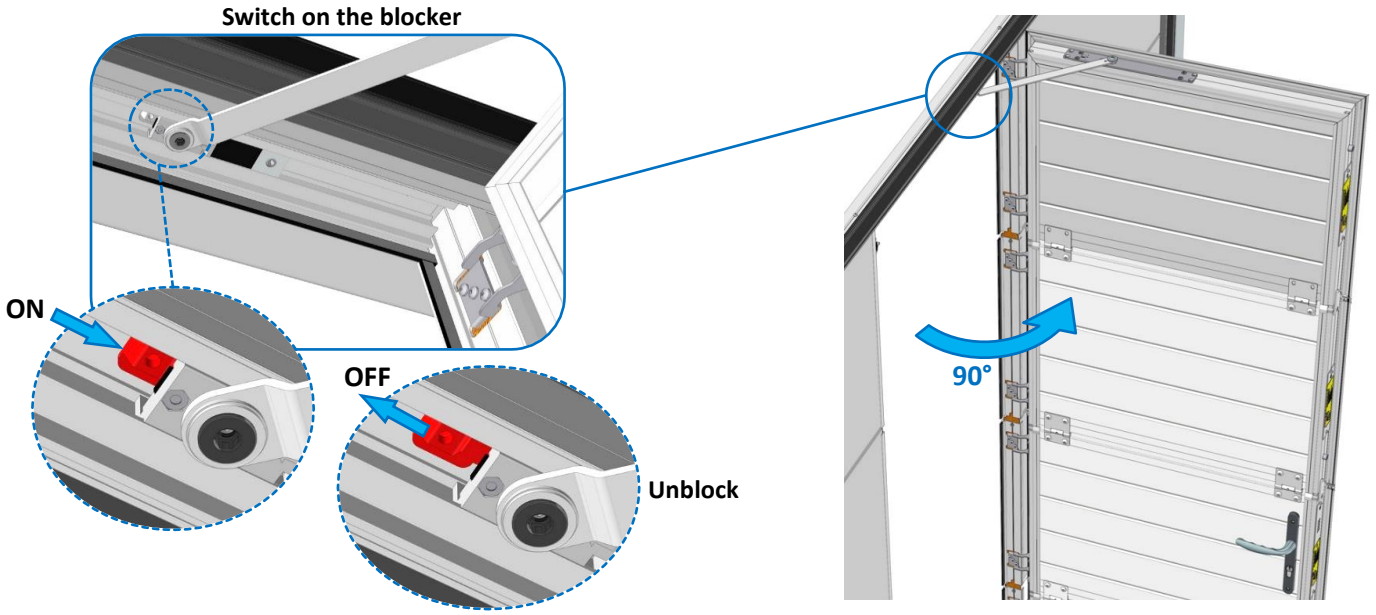




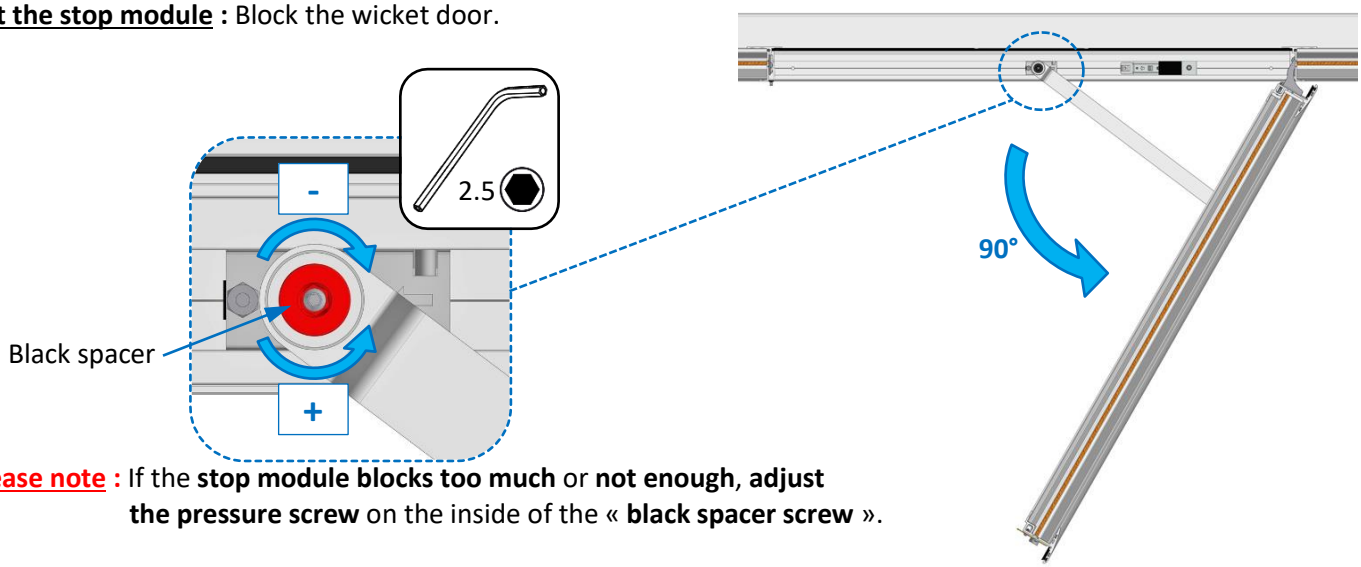
Repeat the process on the opposite side.

Wicket door finalization

Adjusting the stop module

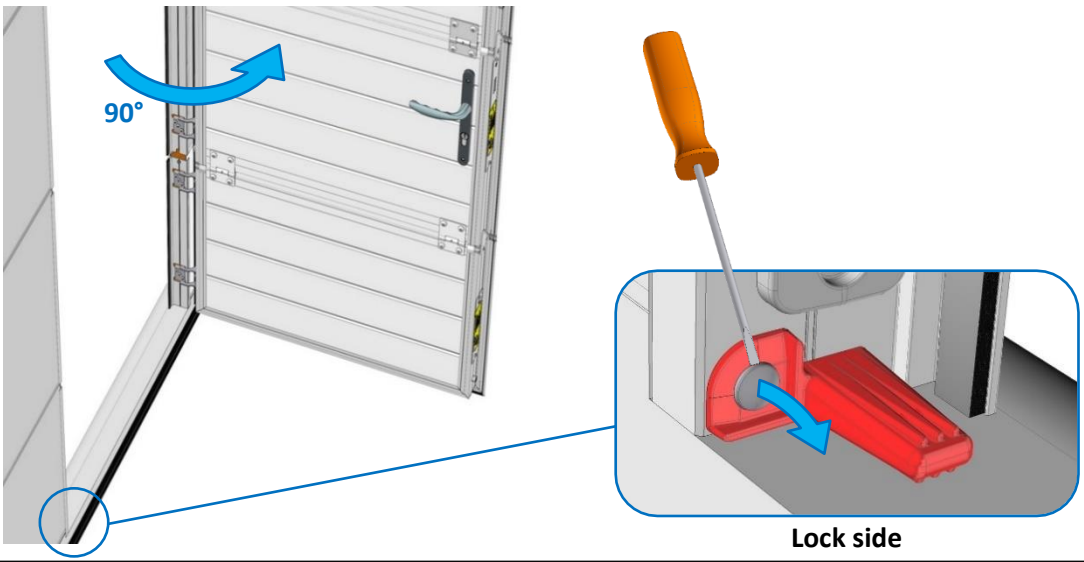


Test the stop module : Block the wicket door.



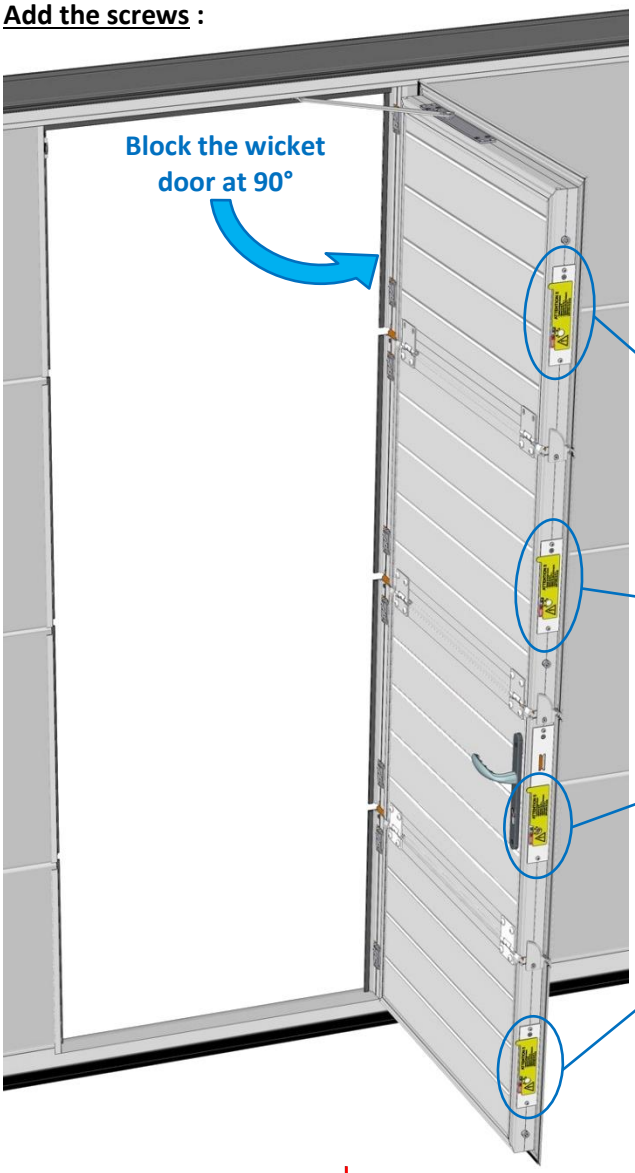
Please note : If the **stop module blocks too much** or **not enough**, **adjust the pressure screw** on the inside of the « **black spacer screw** ».

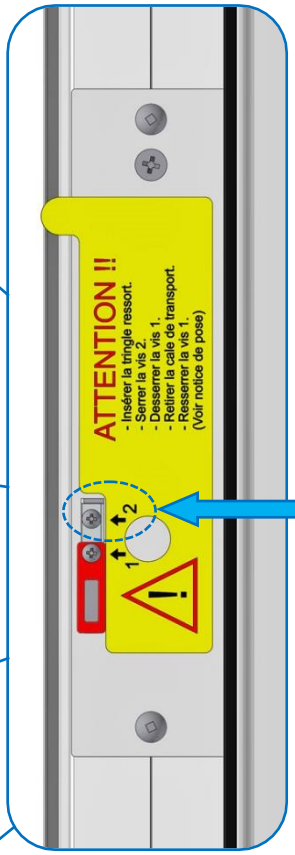
Remove the shim



Installing the door cable

Add the screws :

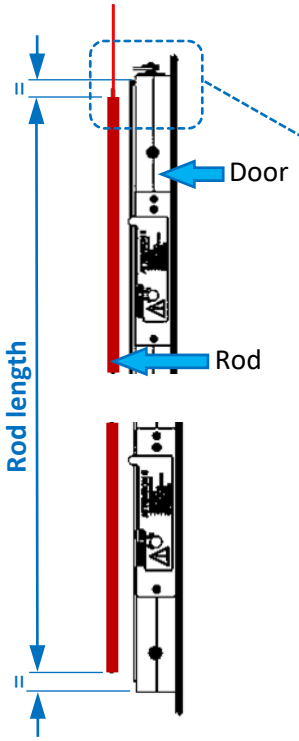


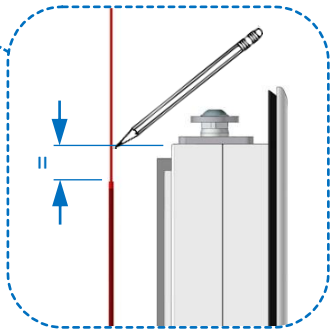


Do not tighten

TB Phillips screw M3x6 (supplied)

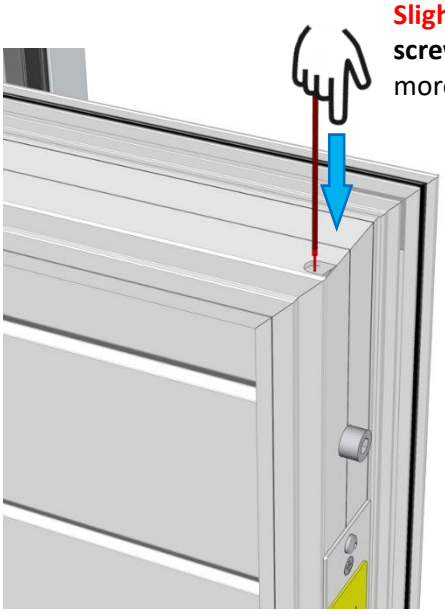
Mark out the rod :



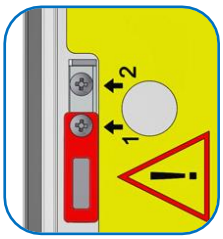


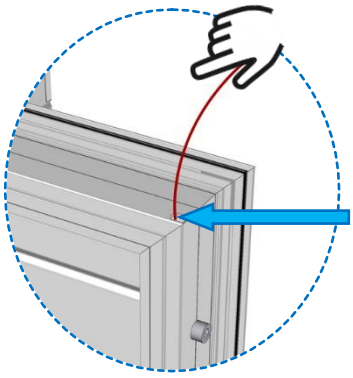
Mark out the rod

Insert the rod :



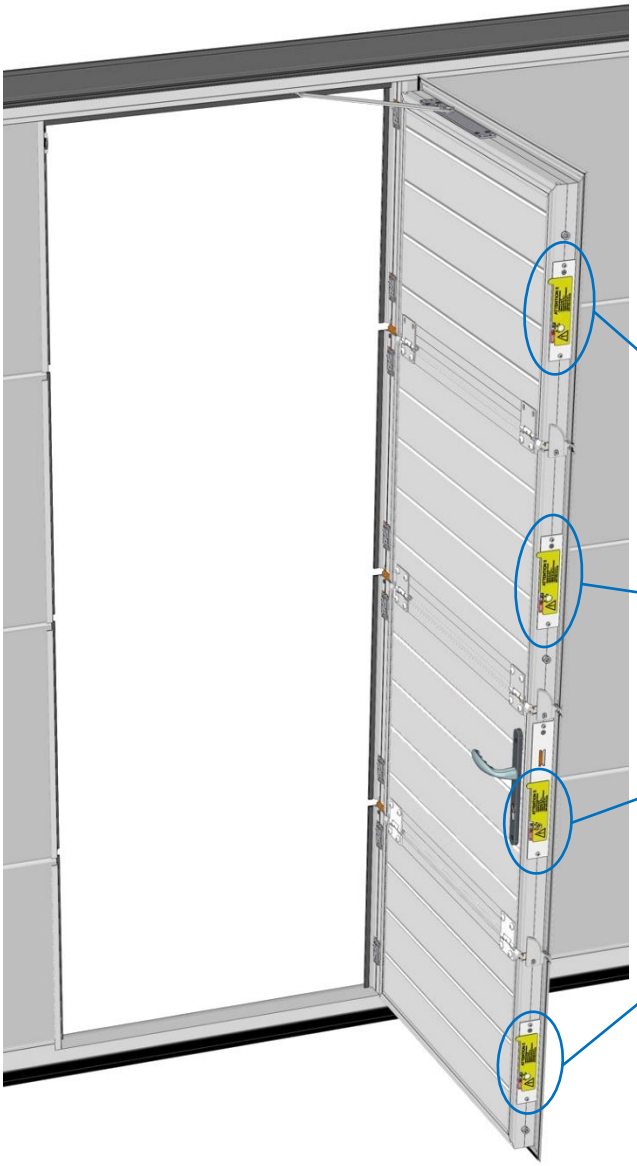
Please note : IF ROUGH SPOT
Slightly loosen screw 2 or **screw 1** to insert the rod more easily

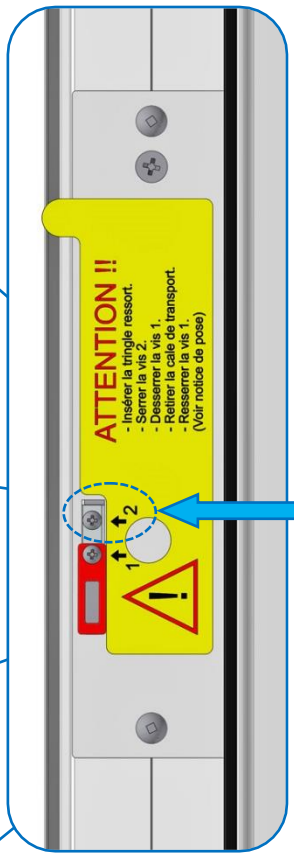




Insert up to the mark

Tighten the screws :

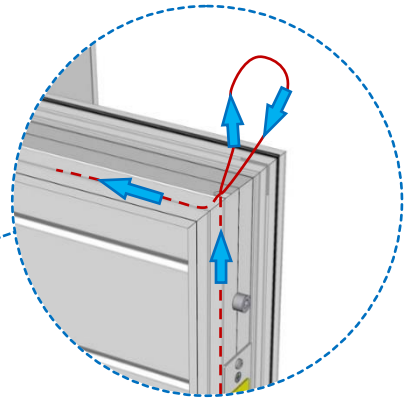


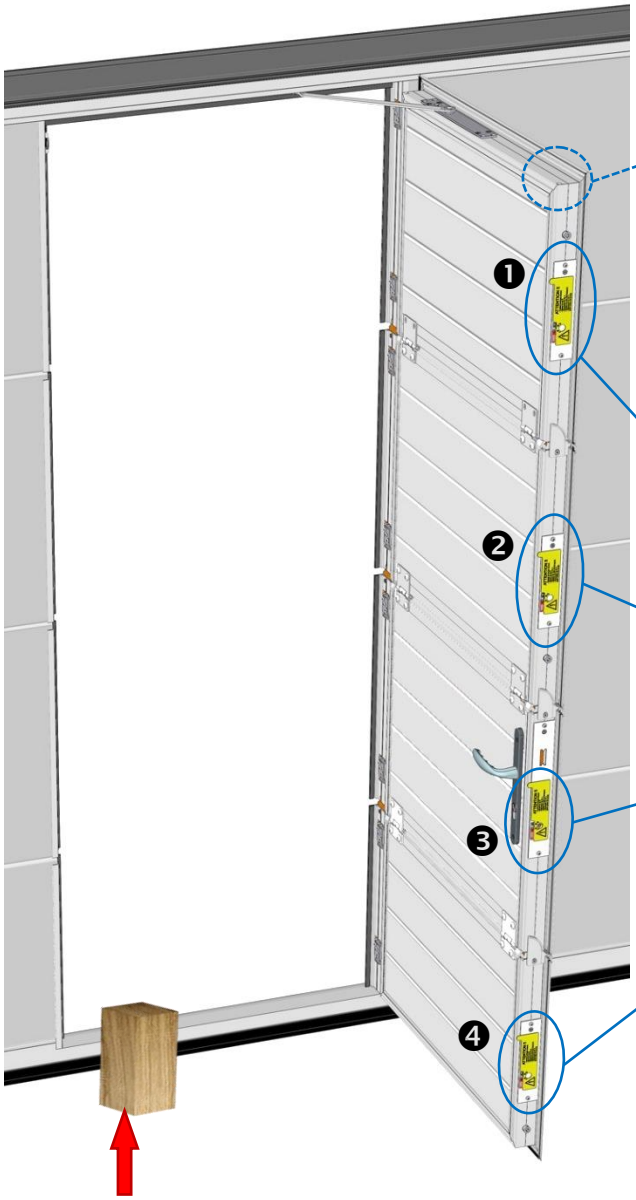


Firmly tighten the screws

Block the rod

Reinsert the cable



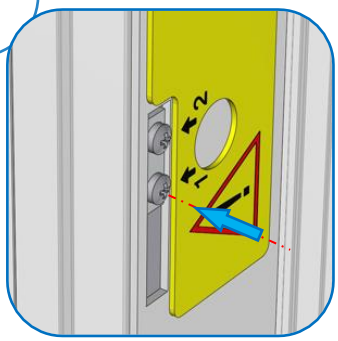


IMPORTANT : For points ❶, ❷, ❸ and ❹, carry out steps A and B for each shim.

A - Remove the locking shim

Locking shim

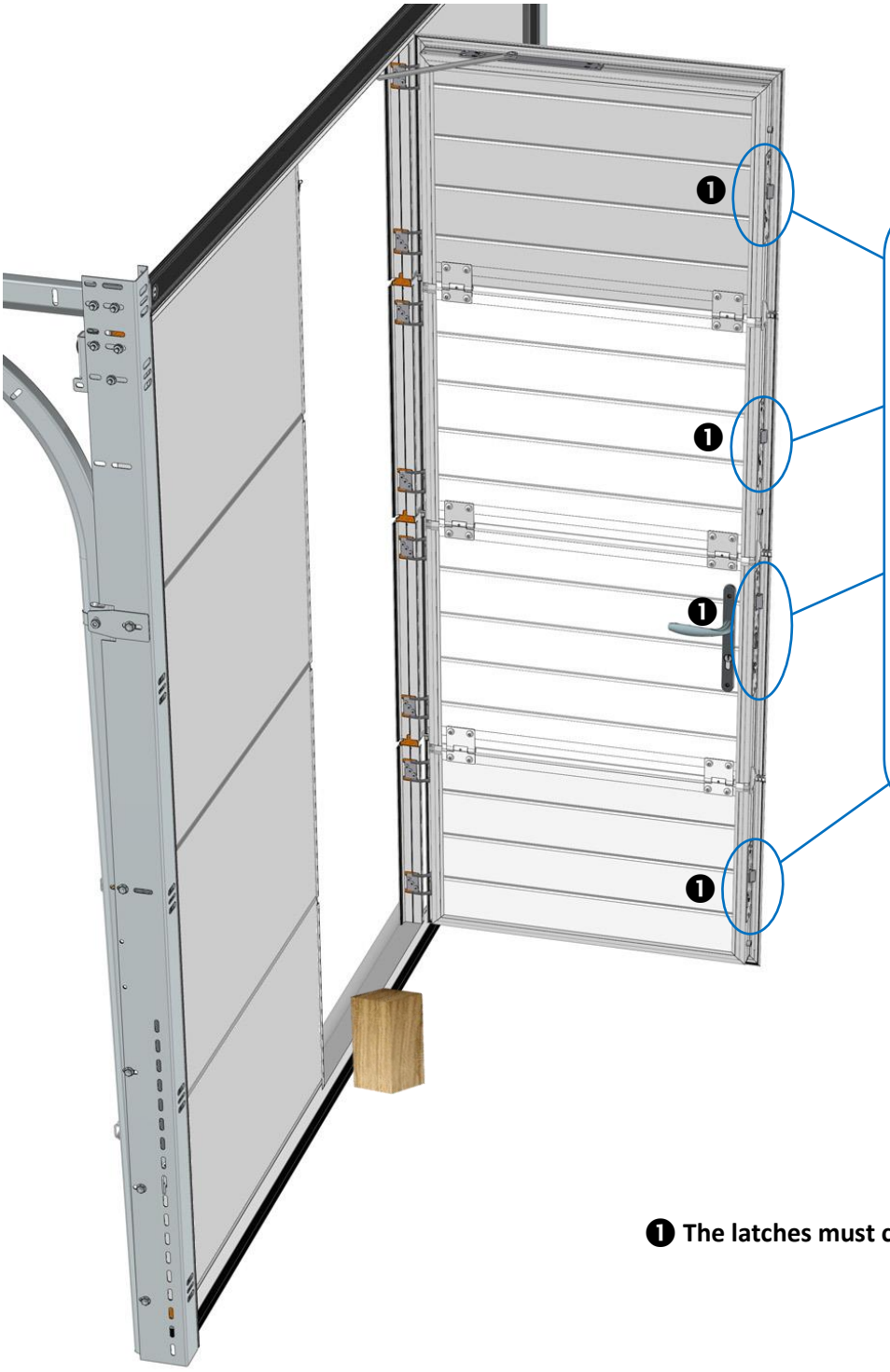
TB Phillips screw M3x6



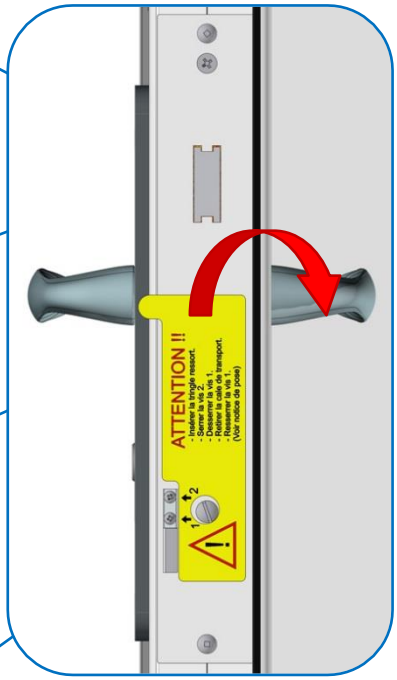
B - Screw back in and fully tighten

IMPORTANT : Place an obstacle in the wicket gate's path, to prevent its closure. Leave it there until completing the « **box operation tests** ».

Activating the lock



Remove the labels



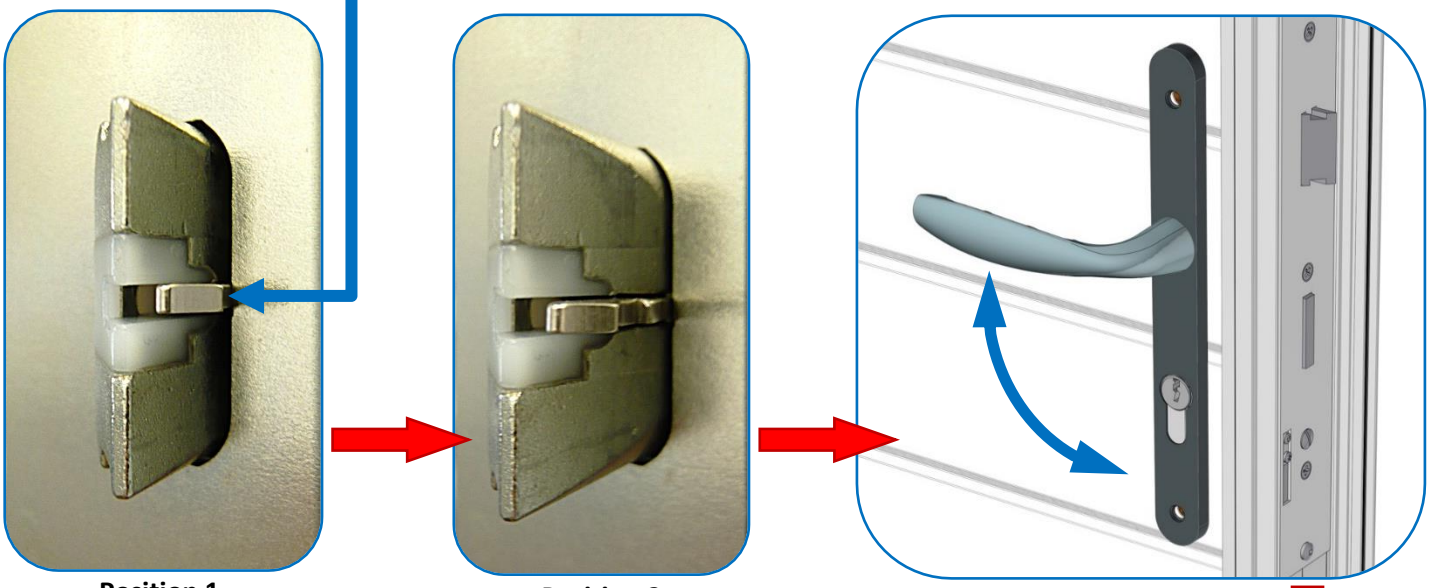
1 The latches must come out

DO NOT CLOSE THE WICKET DOOR

Proceed to the following section to test whether it is operating correctly...

Box operation test

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



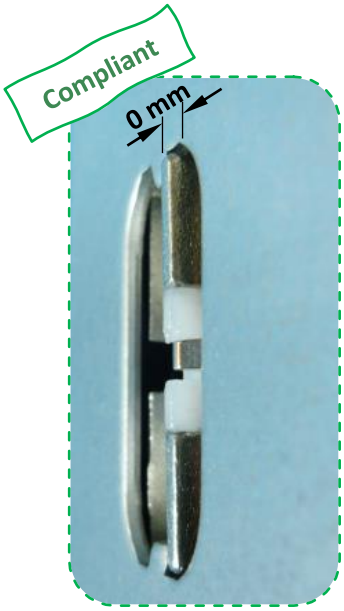
Position 1 | Position 2 | Move the handle

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

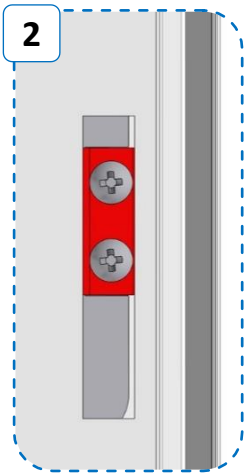
If one or all of the latches are not flush, follow the procedure below :

1

Move the handle and hold it down

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

2



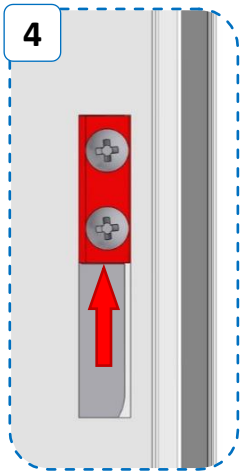
Loosen the 2 screws

3

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

Please note : The latch must be flush

4

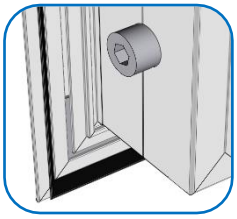


Tighten the 2 screws again

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

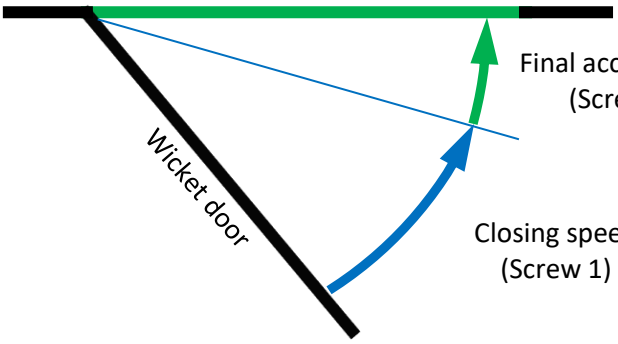
Please note : If the **wicket door becomes stuck** after closure, refer to the « **Solution** » section on the following page.

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.

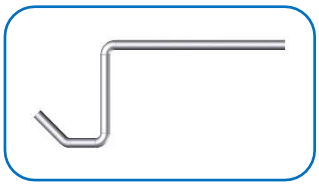
Solution « if the lock is stuck »

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

Identify the blocked part inside :

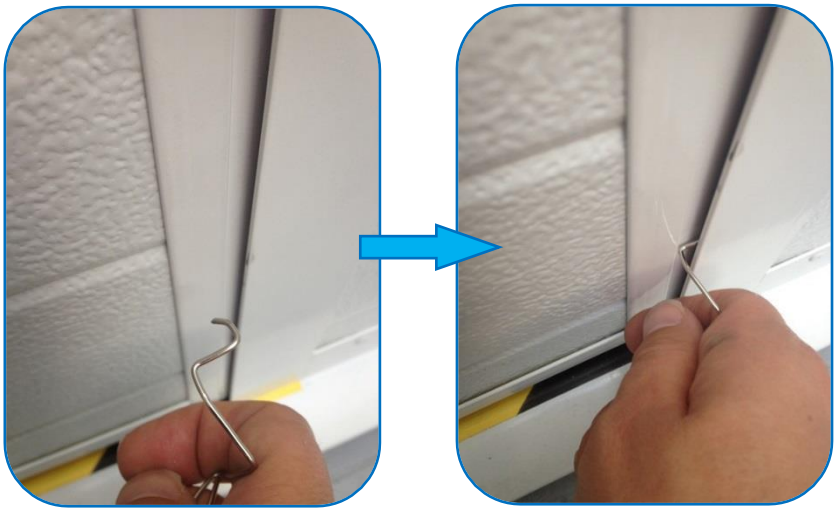
Lower the handle and gently push the door on each panel to identify the blocked area.

Make the hook

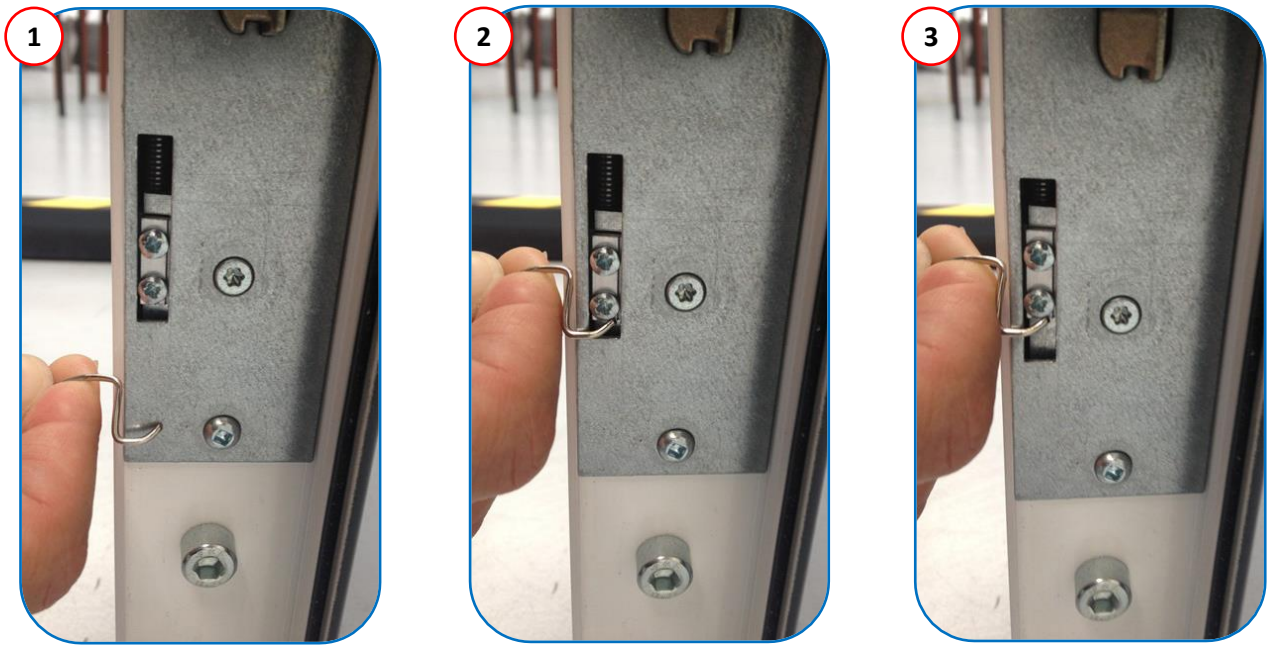


Actual size

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

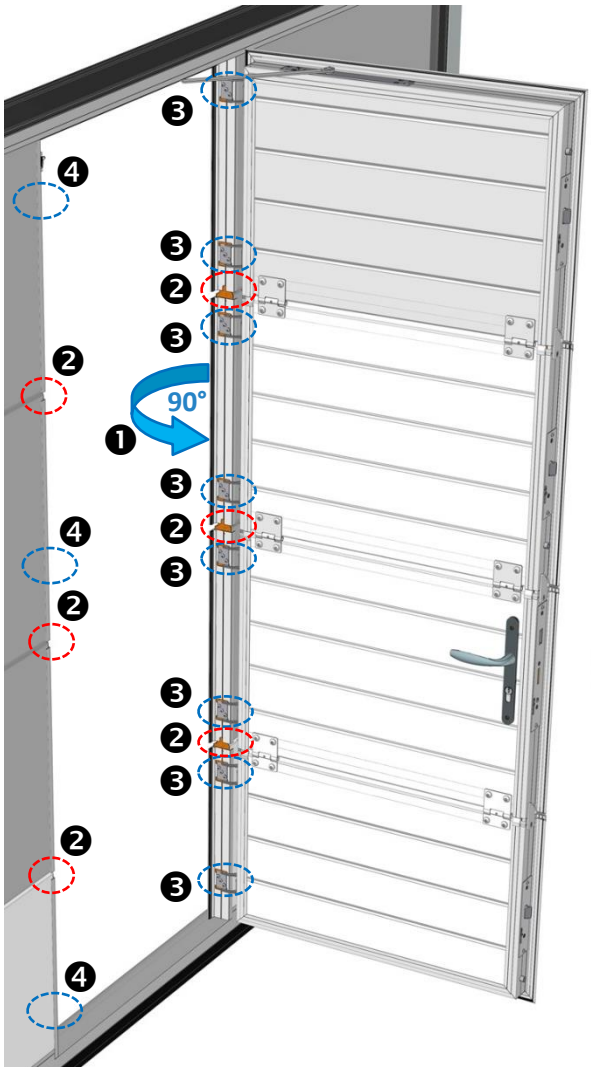


Then carry out the steps below, to hook one of the locks while holding the handle down.



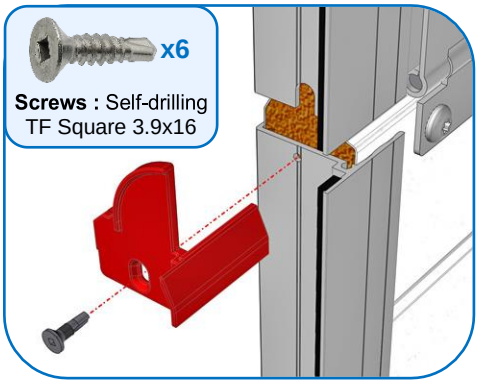
Once open, return to the **« Box operation test »** chapter and **set the latches correctly by following the test steps.**

Finishes : Plugs, split hinges and strike plates



2 PLUGS

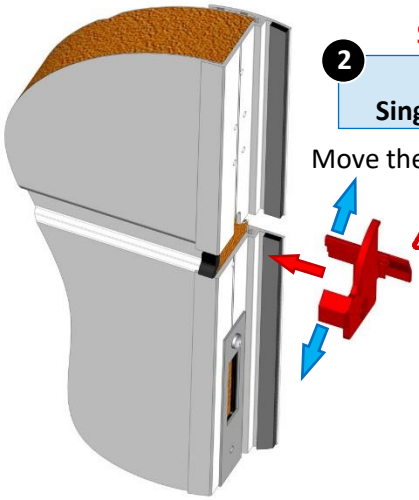
Assemble them on the frame profiles



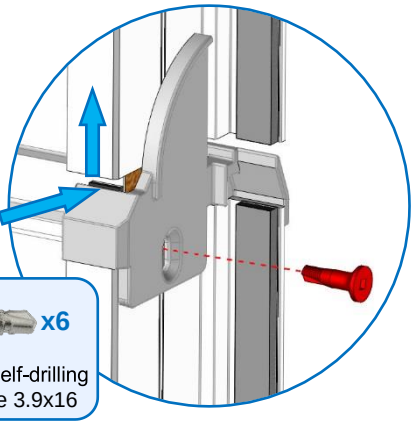
SPECIFIC CASE

2 PLUGS : Single-grooved panel

Move the guides away slightly

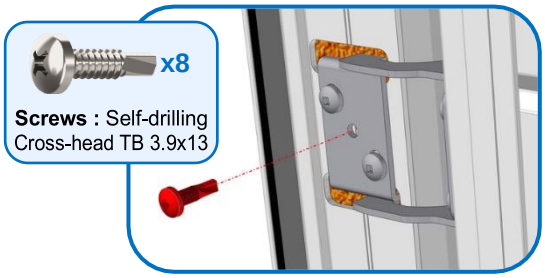


Fragile part

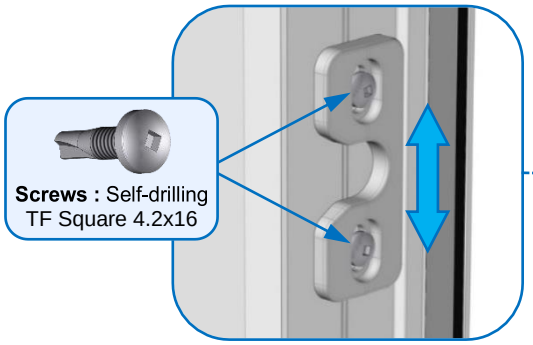


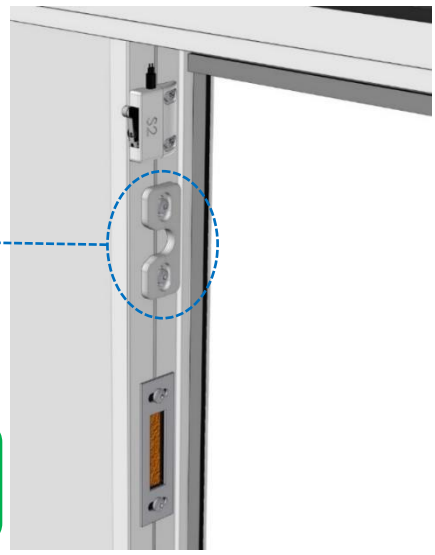
Please note : The seal should protrude slightly at the top but not at the side.

3 SPLIT HINGES



4 STRIKE PLATES

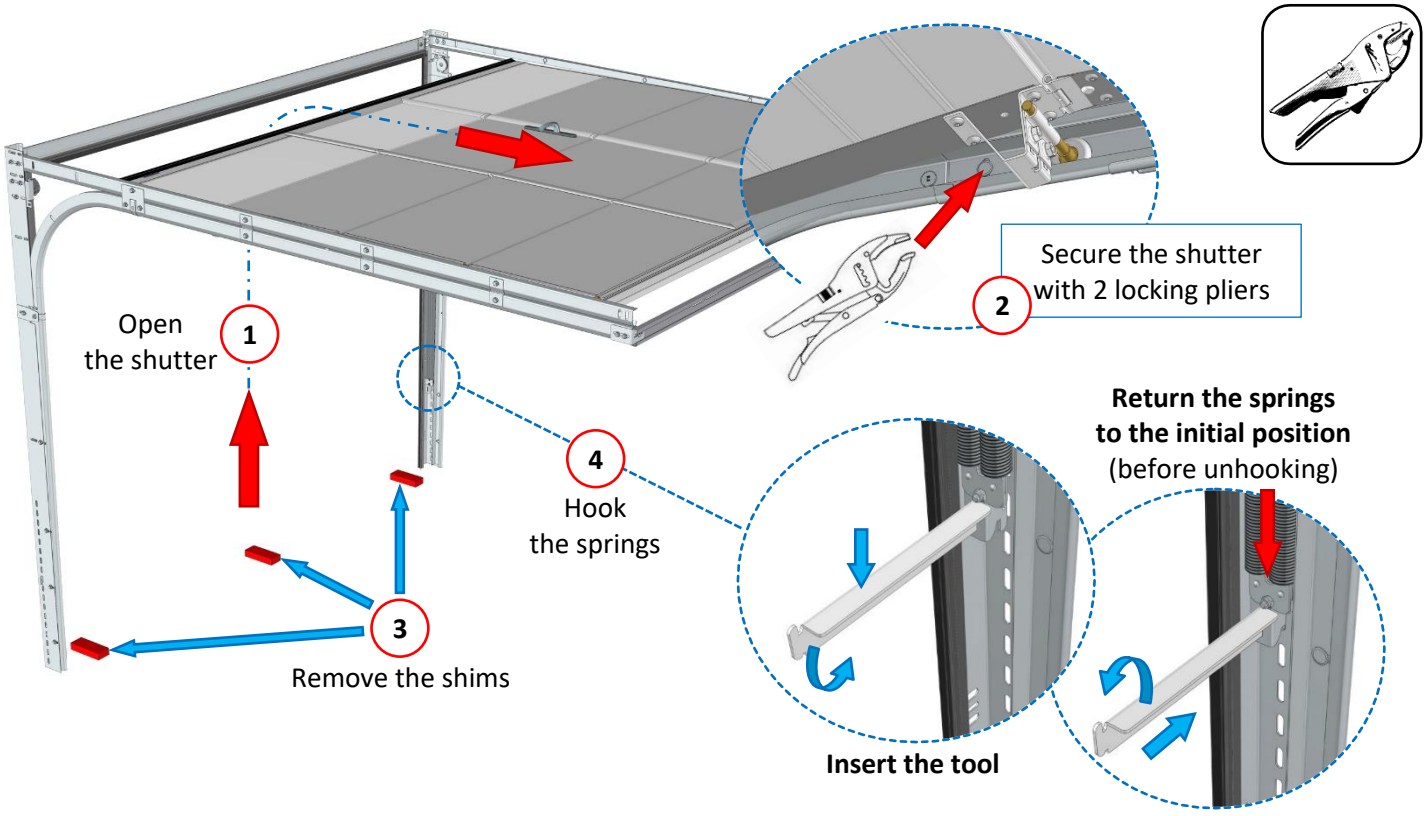




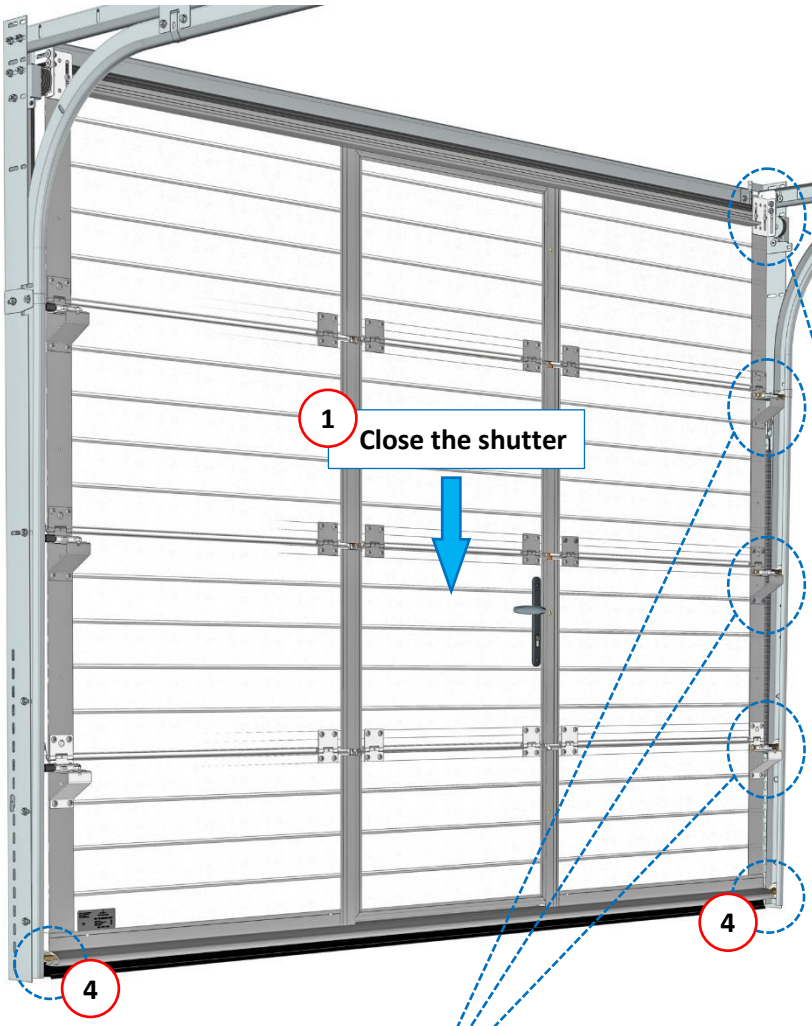
Tighten the screws so that the strike plates move slightly.
Close and reopen the wicket door ; the strike plates will move into position.
Fully tighten the screws.

Shutter balance

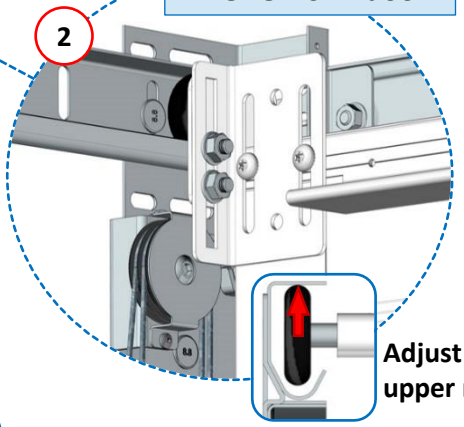
Hooking the springs



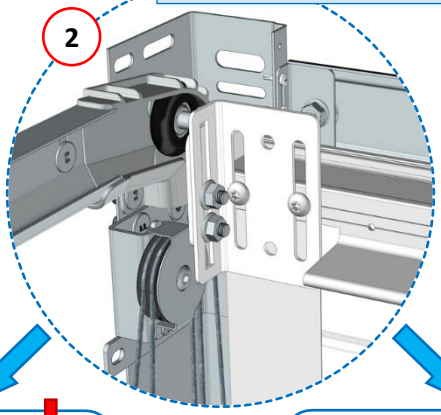
Adjusting the rollers



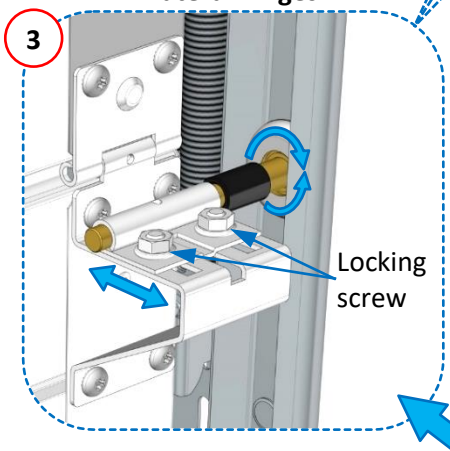
MOTORISED door

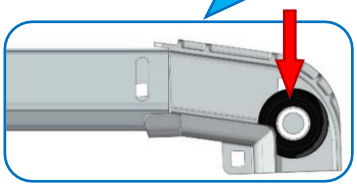


MANUAL door



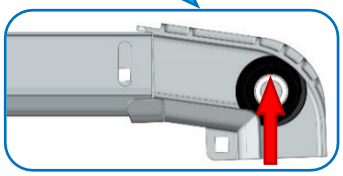
Lateral hinges





MANUAL version

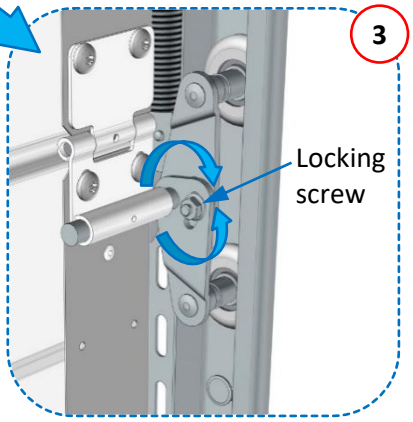
Adjust the upper rollers



MOTORISED version

OR

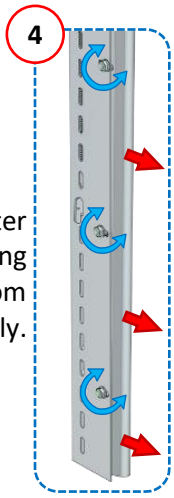
OPTION tandem



The roller rod must be able to turn freely.

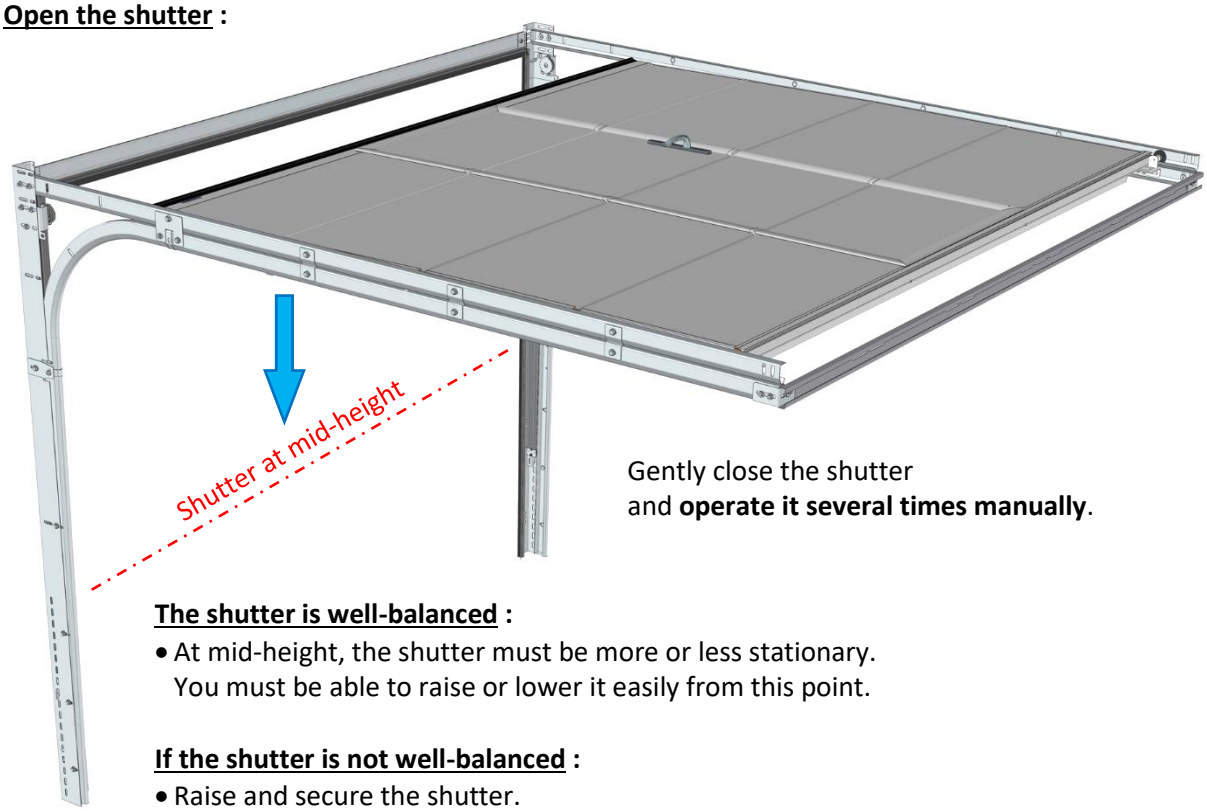
Do not flatten the vertical seals of the shutter.

Please note : If the shutter jams at the end of the closing operation, move the bottom of the rails apart slightly.



Checking the balance

Open the shutter :



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

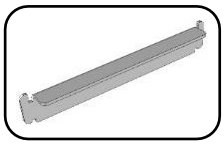
The shutter is well-balanced :

- At mid-height, the shutter must be more or less stationary.
  You must be able to raise or lower it easily from this point.

If the shutter is not well-balanced :

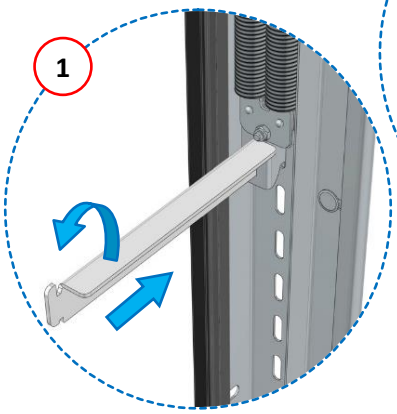
- Raise and secure the shutter.
- Tighten or loosen the springs : Refer to the « **Adjusting the spring tension** » section below.

Adjusting the spring tension

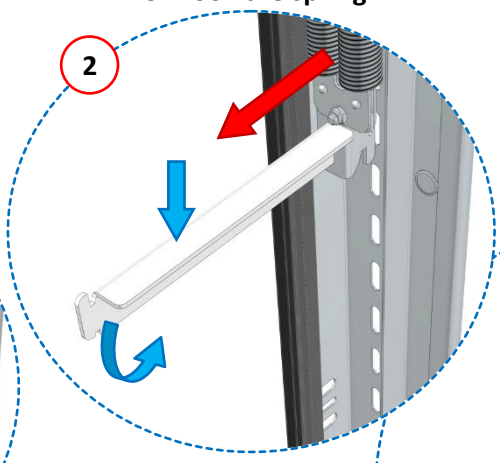


Tension
spring tool

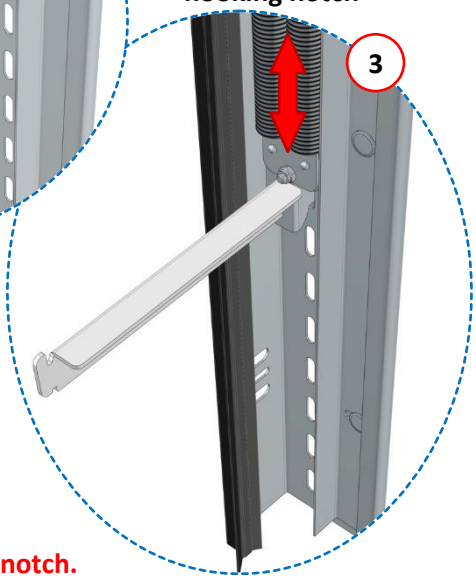
Insert the tool



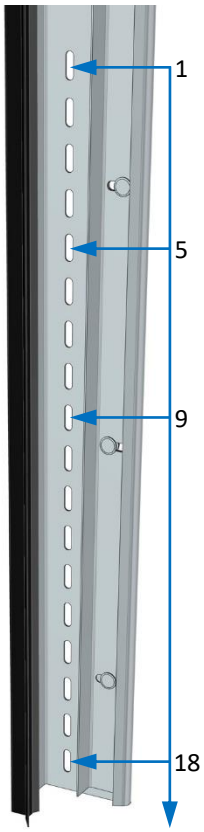
Unhook the spring



Choose a hooking notch



Count the notches



Repeat the process for the other spring.

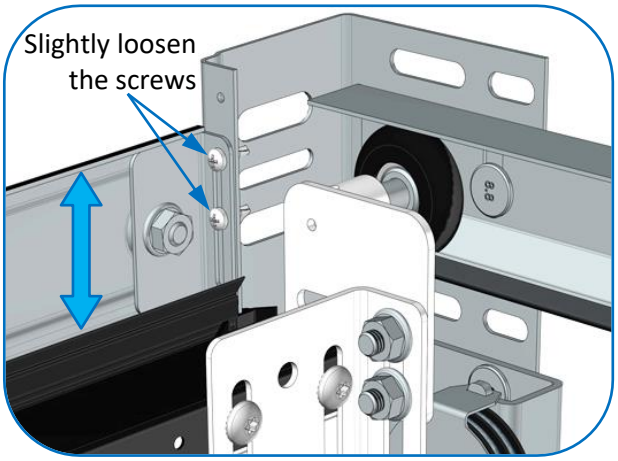
Make sure the 2 springs are positioned on the same notch.
Check that the spring hooks are securely fastened to the rails.

Check the balance again : Refer to the « **Checking the balance** » section above.

Finishes

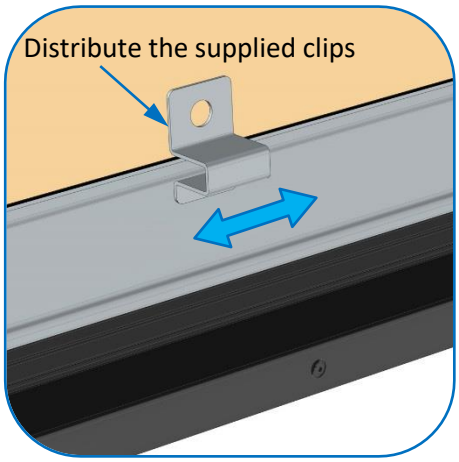
Adjusting and fixing the fascia

Adjusting the fascia

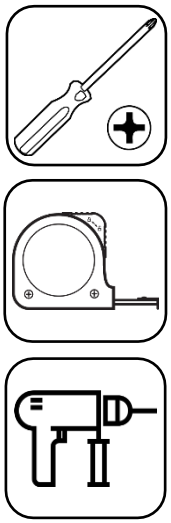


Repeat the process on the opposite side

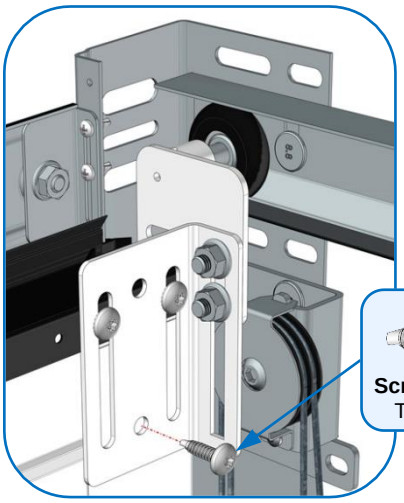
Fixing the fascia
(Install after the operator)

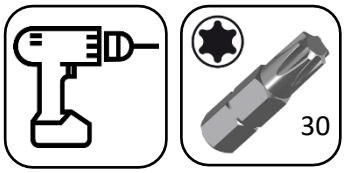


Use appropriate fittings for the support
(screws and pins not supplied)



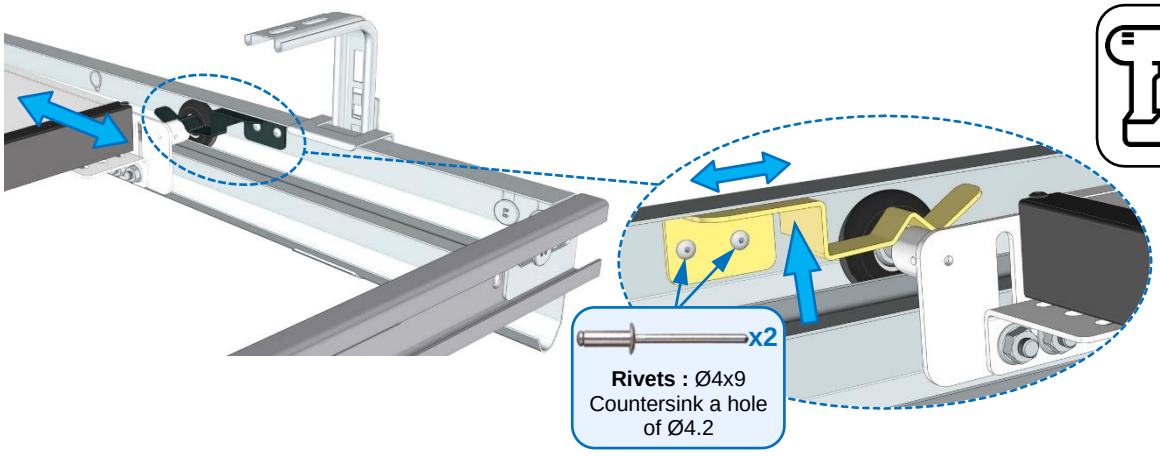
Fixing the upper roller supports

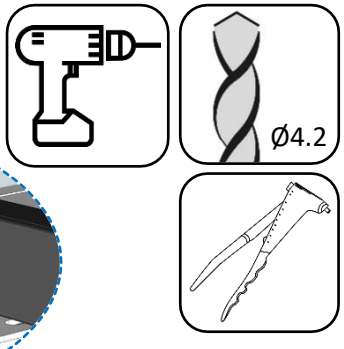




Repeat the process on the opposite side.

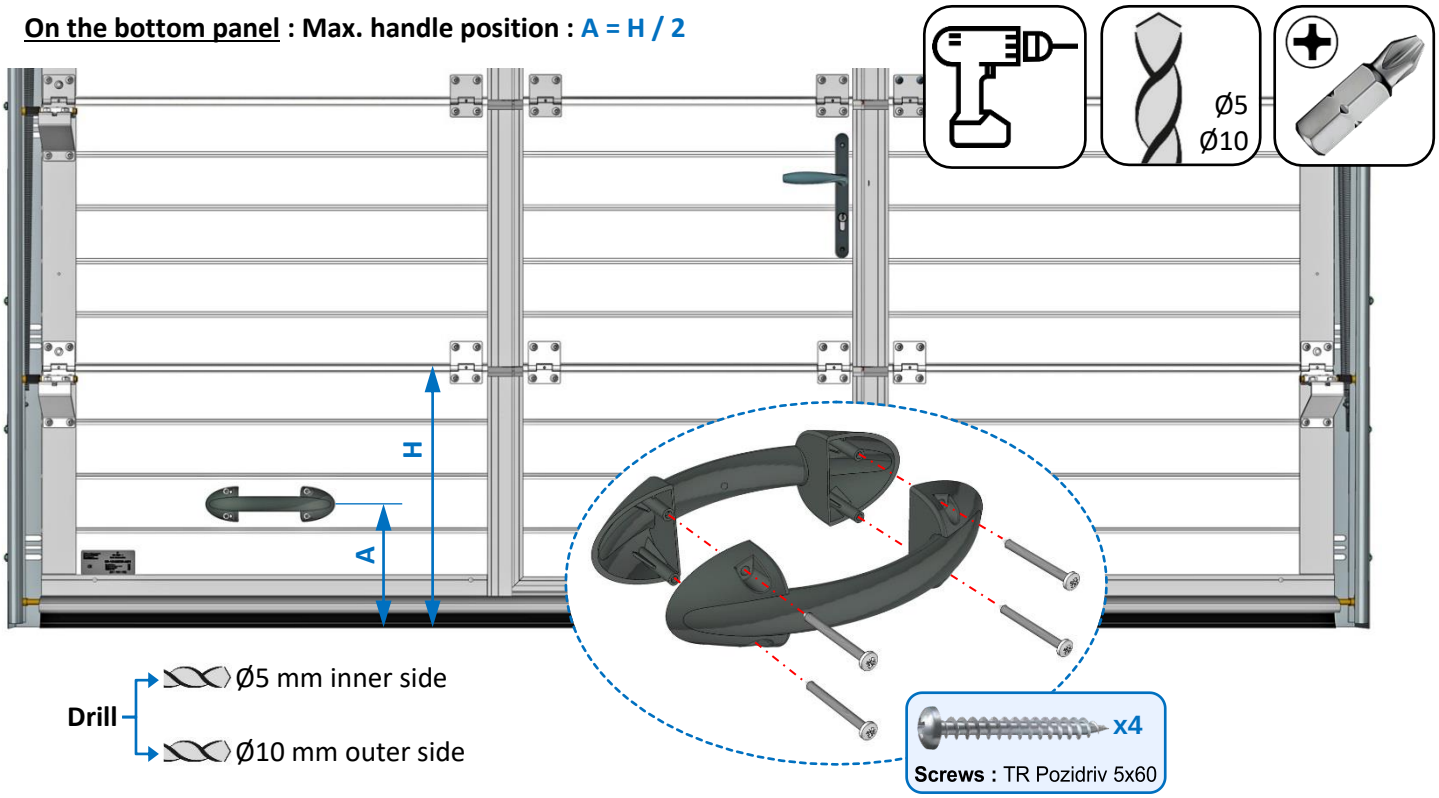
Fixing the end position clips (manual door)





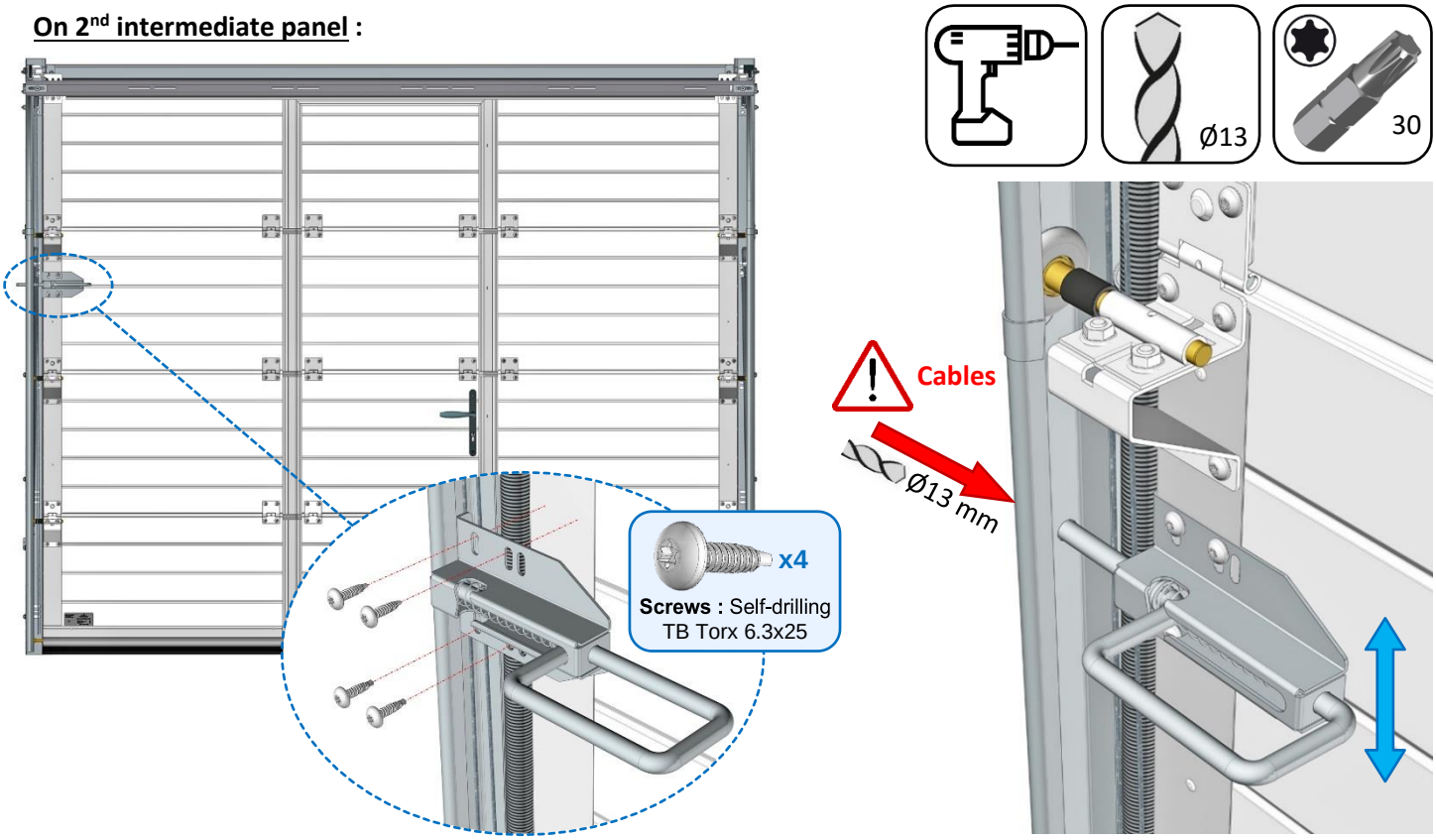
Assembling the handle

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

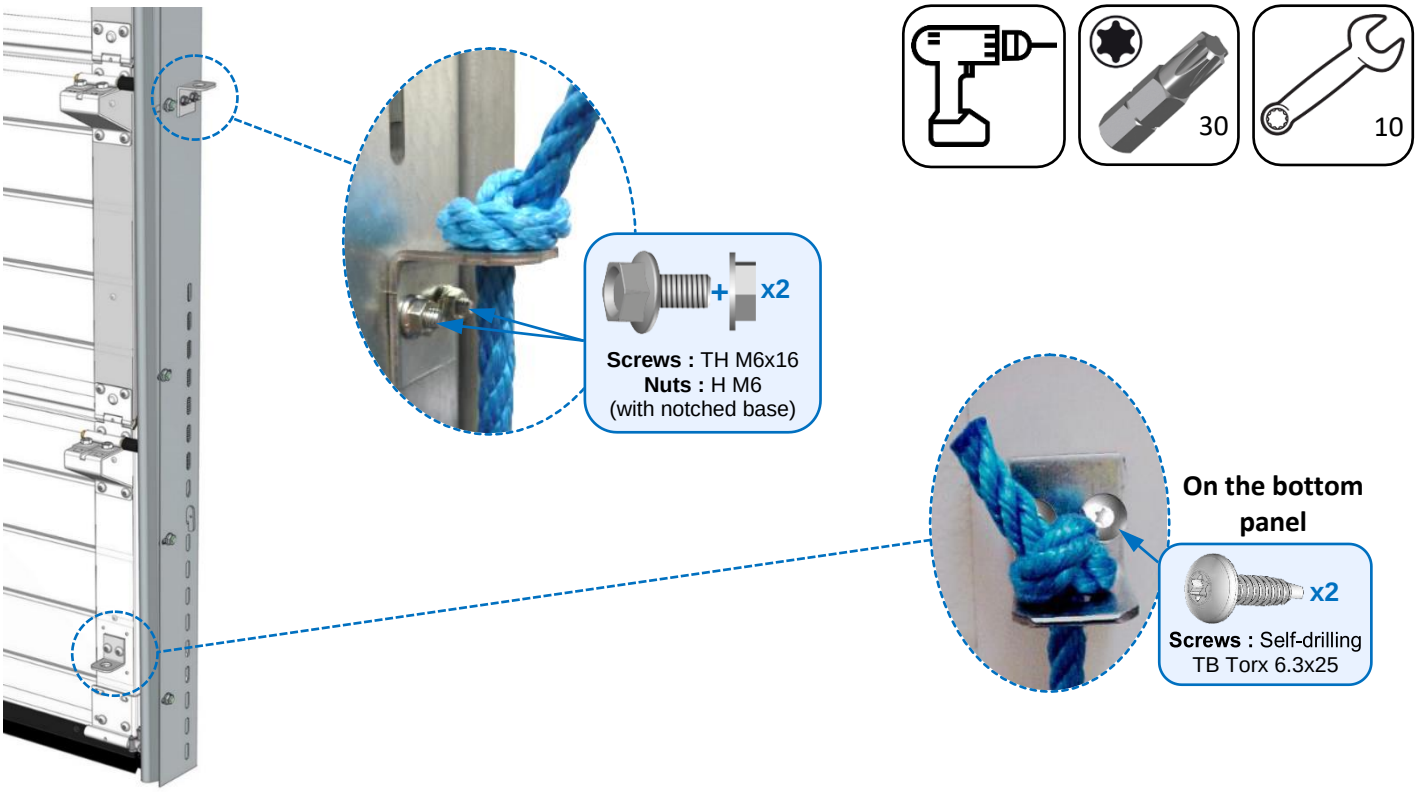


Assembling the latch (optional on motorised doors)

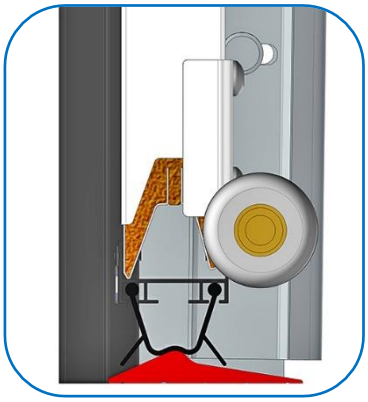
On 2nd intermediate panel :



Installing the pull cord (if manual door)



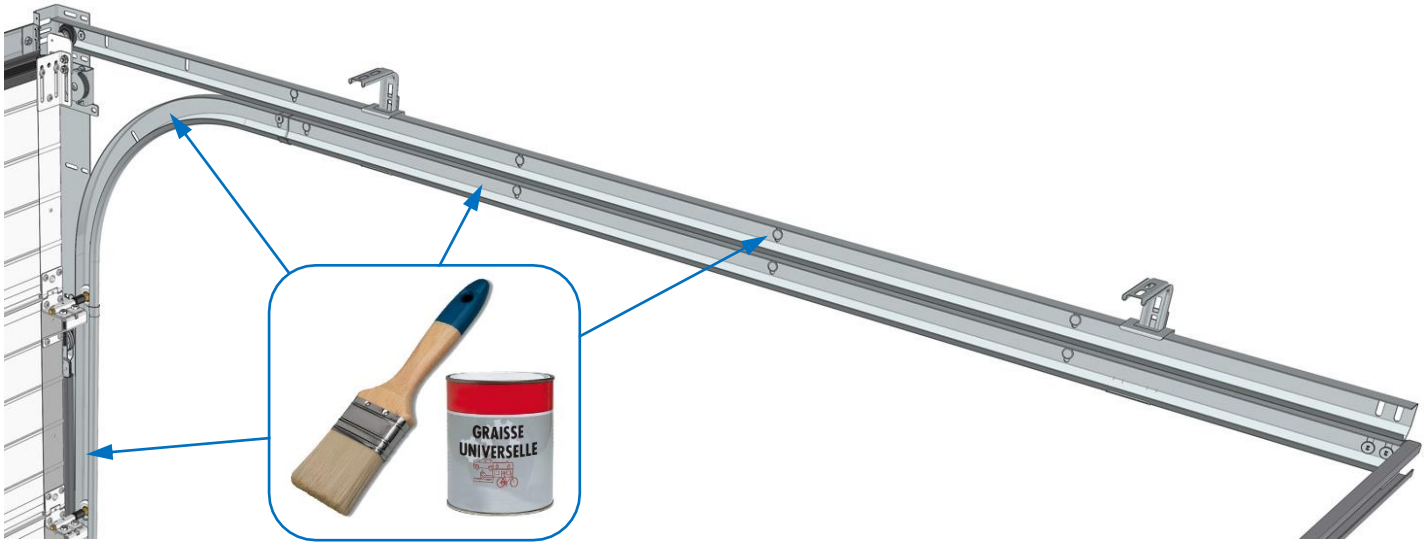
Weather seal (optional)



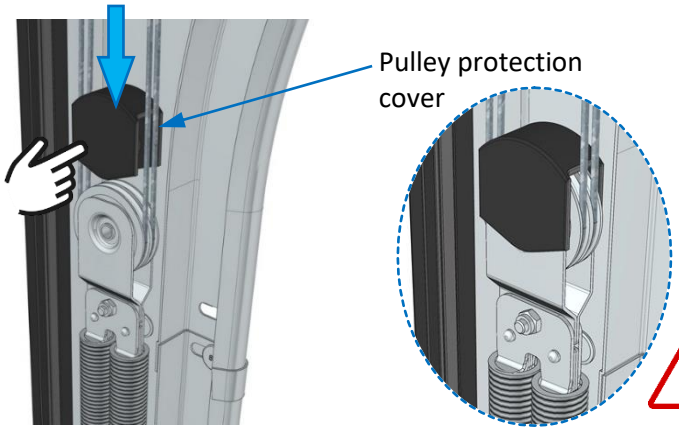
Weather seal section
to be glued to the floor between the rails.

Refer to manual : Weather seal.

Greasing the bottom of the rails



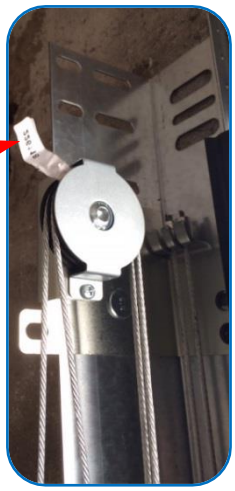
Assembling the spring pulley covers



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

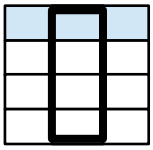
Cable labels

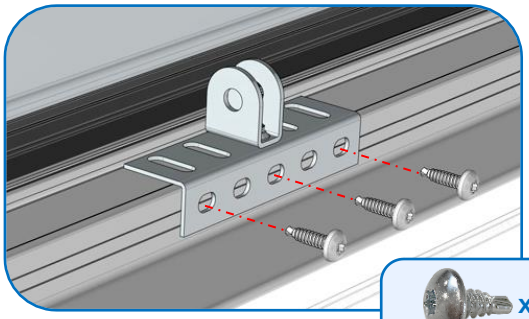
Remove the cable labels



Fixing the « SOMMER » operator to the back bar

Full-height wicket door

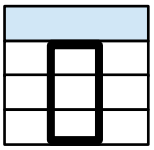


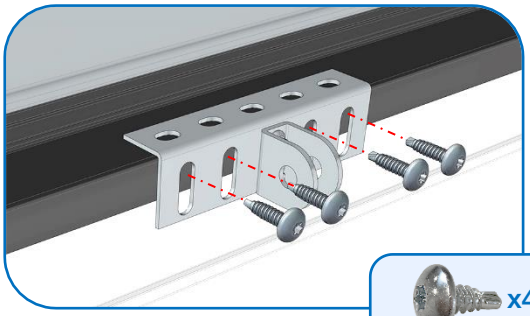


x3
Screws : Self-drilling TB Torx 6.3x16

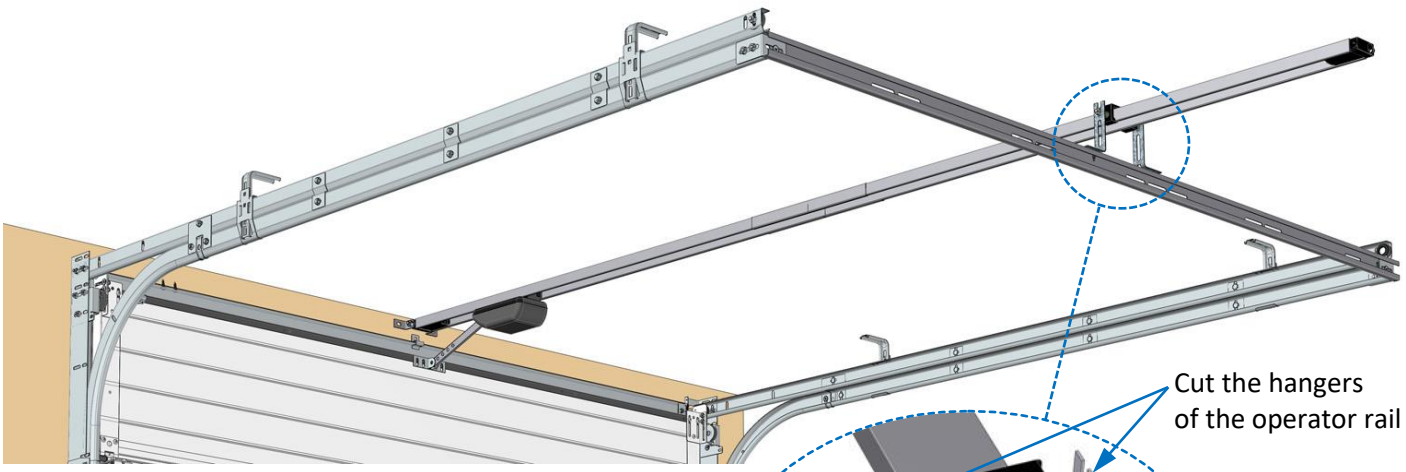
Do not add screws

Intermediate wicket door

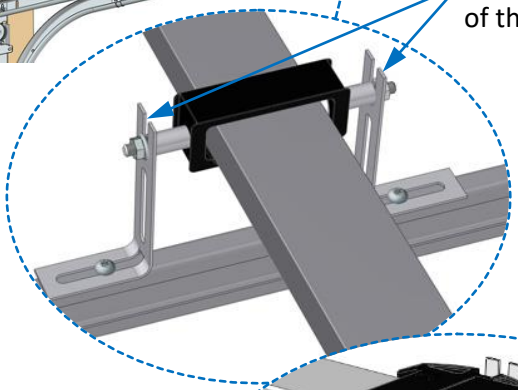




x4
Screws : Self-drilling TB Torx 6.3x16



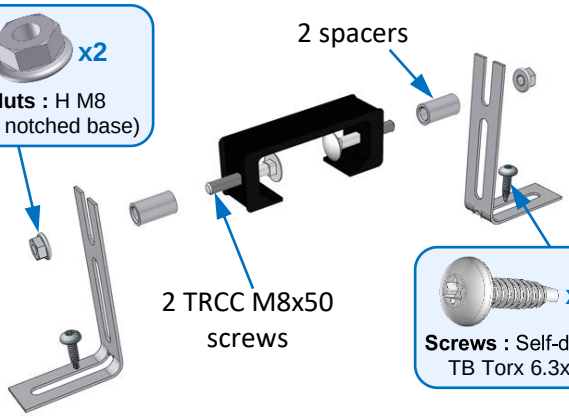
Cut the hangers of the operator rail



TD operator kit

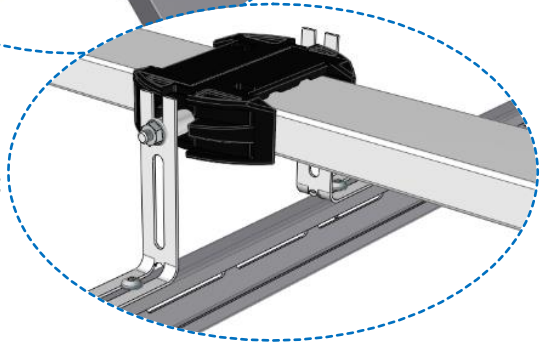
x2
Nuts : H M8 (with notched base)

2 spacers



2 TRCC M8x50 screws

x2
Screws : Self-drilling TB Torx 6.3x25

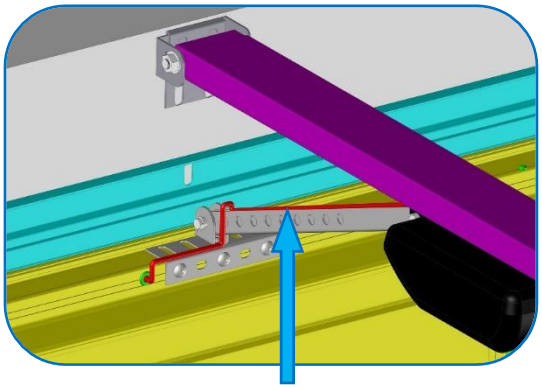


Pro+ operator kit

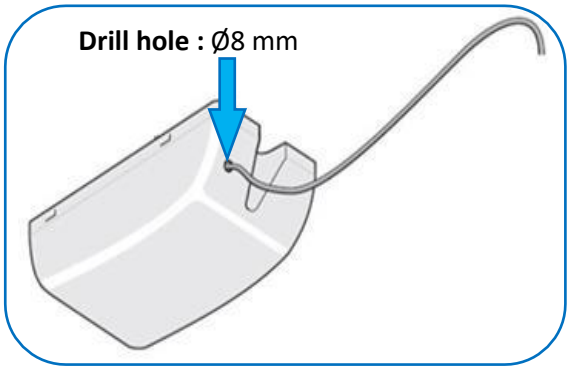
This fastening kit is compatible exclusively with all « SOMMER » operators.

Micro switch & contact radio

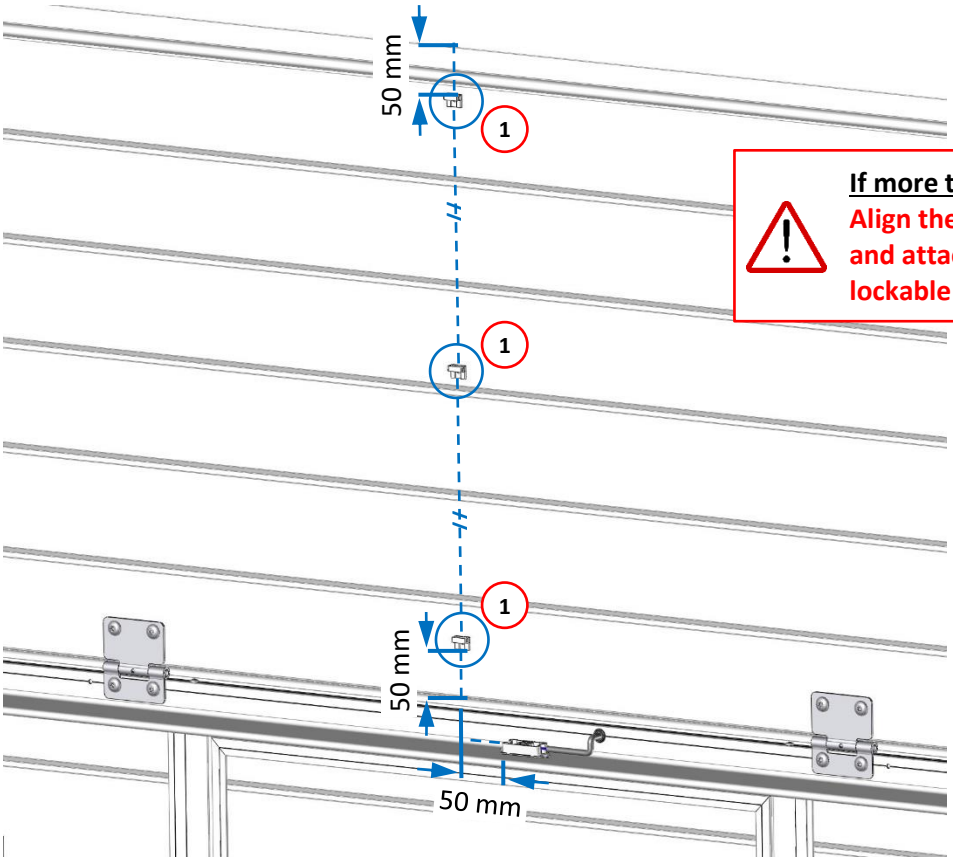
Connecting the safety micro switch to the TD operator (wiring)



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

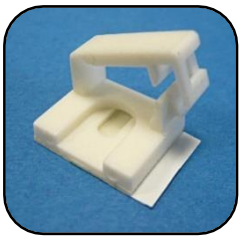


Unclip the cover



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).

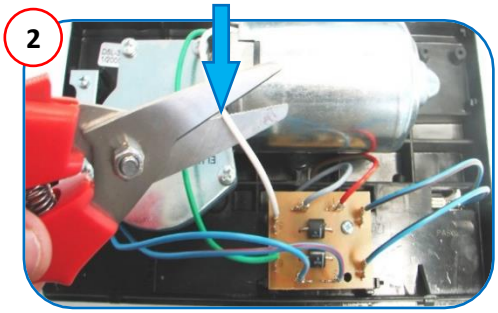
1



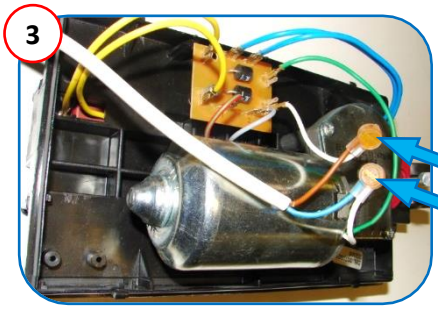
Lockable adhesive cable-clamp

Cut the white wire

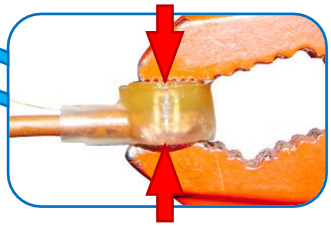
2



3



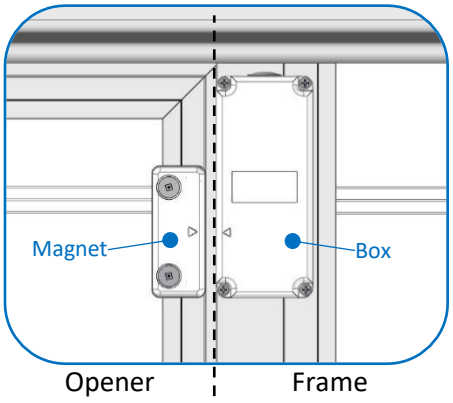
Connect the 2 white wires on the operator in sequence with the 2 micro switch wires. 2 scotchlock connectors provided.



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

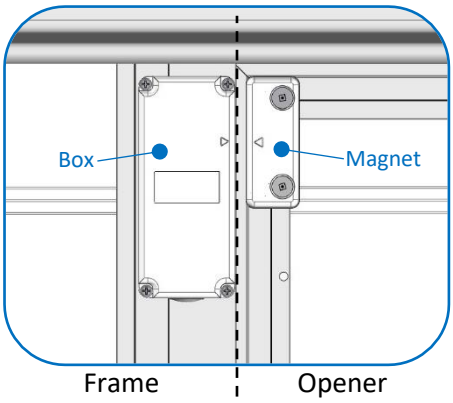
Installation : Safety contact radio (wireless) on top panel of wicket door

Transmitter module
(Left push wicket door)



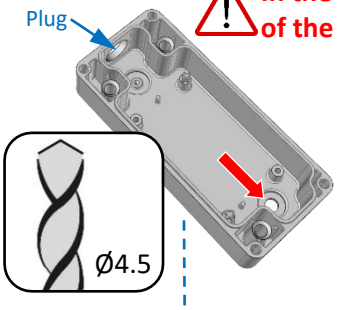
OR

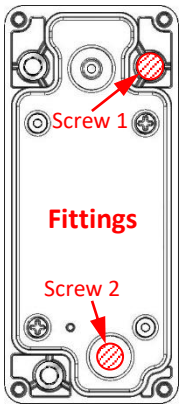
Transmitter module
(Right push wicket door)



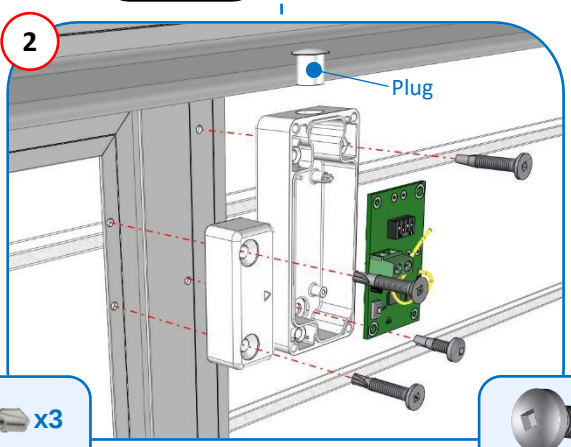
1 **Drill the box**

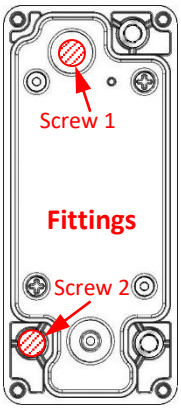
In the direction of the box





2



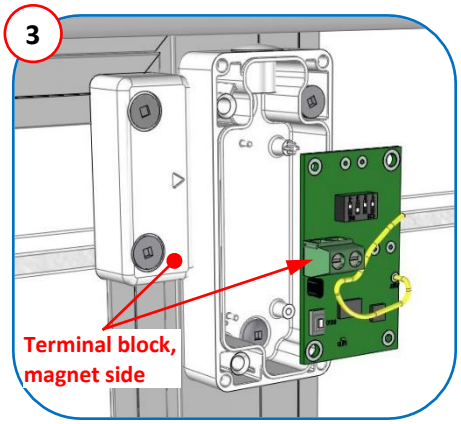


Screws : Self-drilling TF Square 4.2x25

Fix the parts on the opener and frame

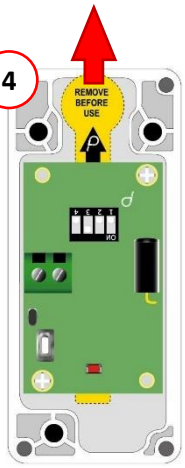
Screw : Self-drilling TF Square 4.2x16

3



Reinstall the board

4

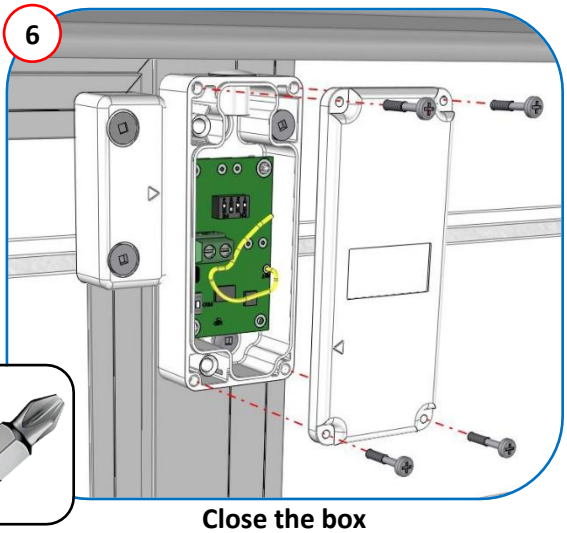


Remove the battery isolator

5

Check the position of the switches

6

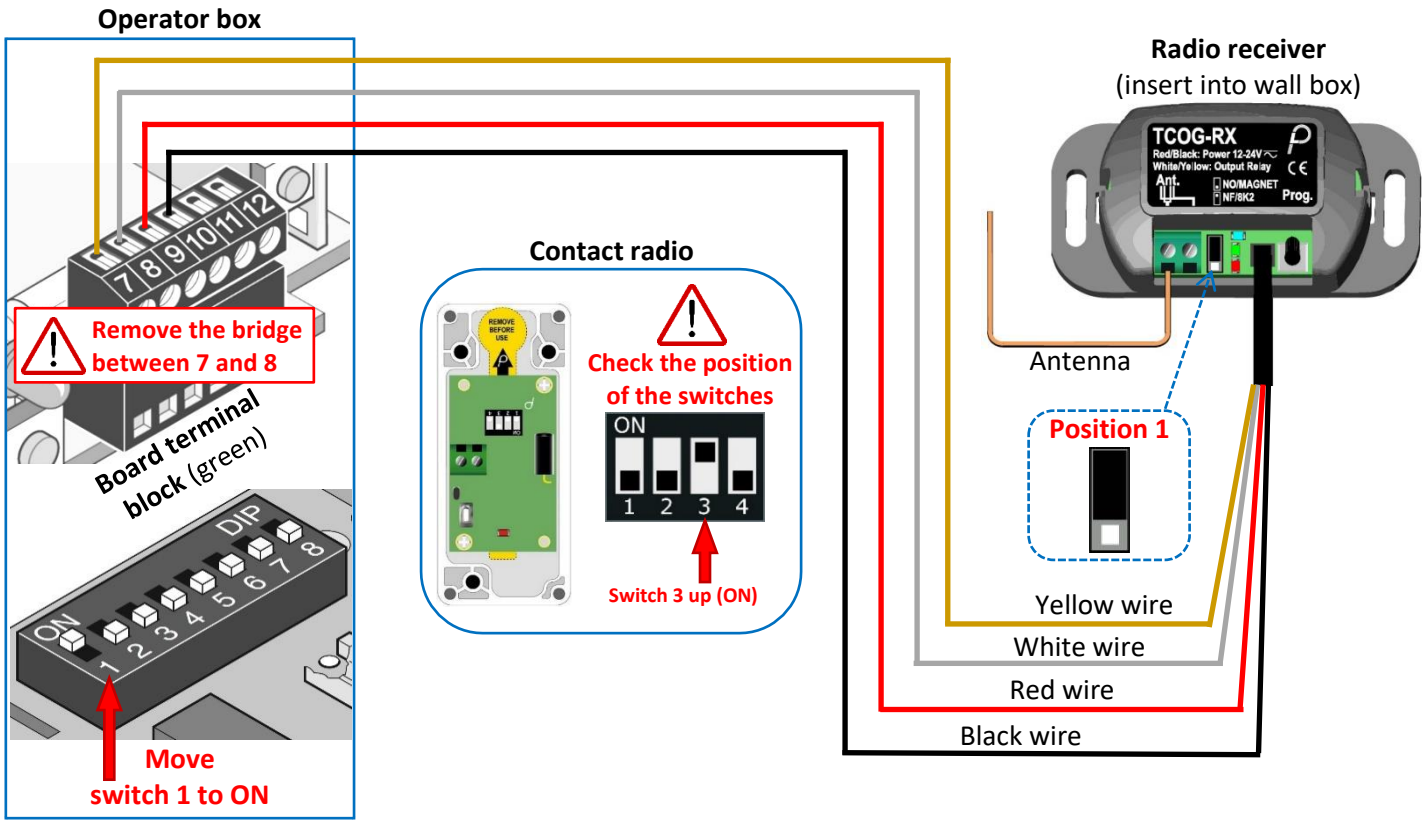


Close the box

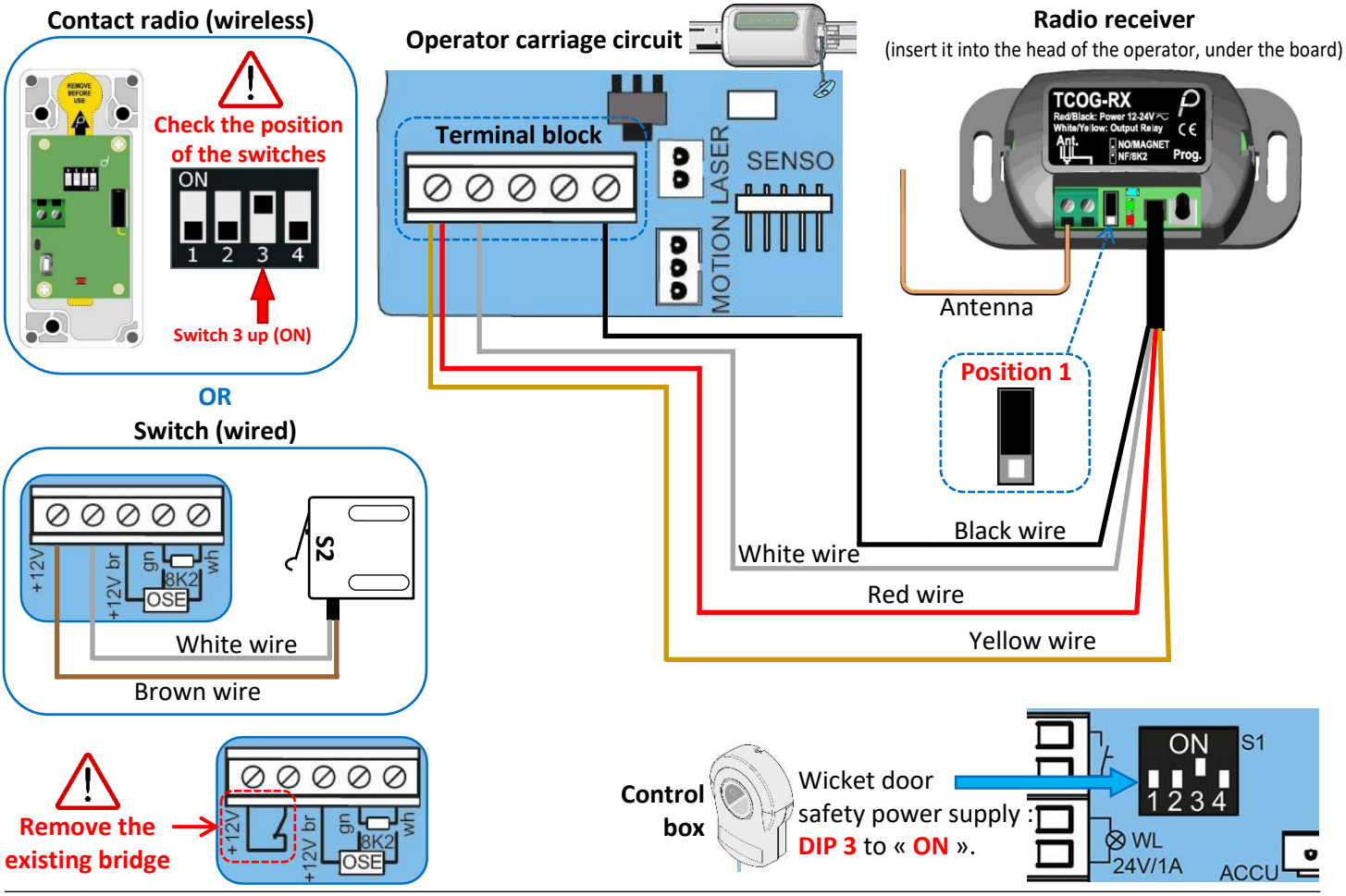
The contact radio is programmed at the factory.
It is ready to use.
Please note : In case of failure, refer to the transmitter documentation.

Connection

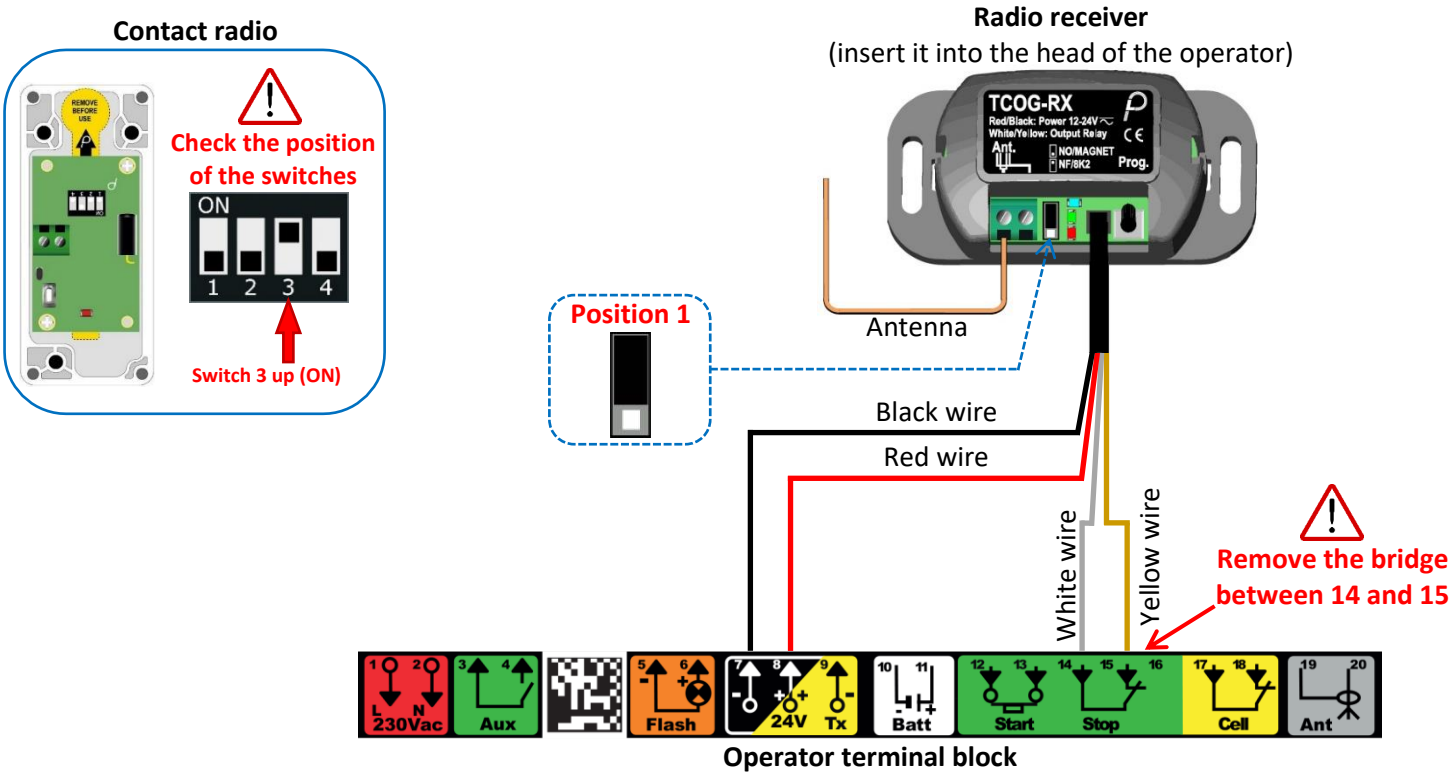
Safety contact radio (wireless) with the TD operators (SOMMER)



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)