

Manual No. 7041

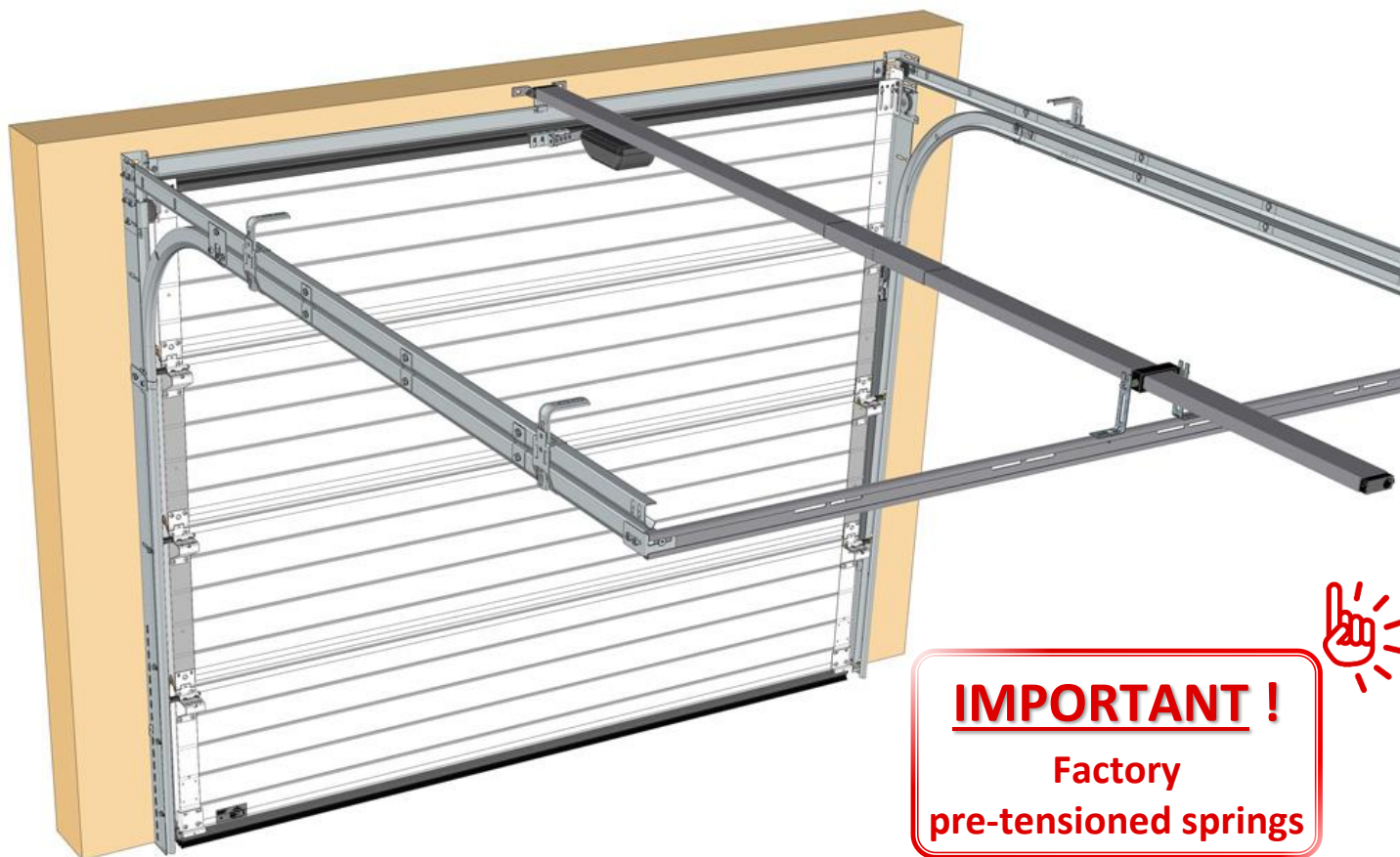
03/25

INSTALLATION

Residential garage doors Manual or Motorised



RE100
(Extension Springs)



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

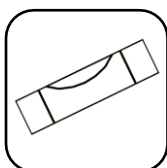
Before installation

Required equipment

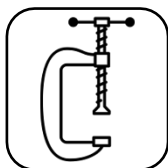


Laser level

or



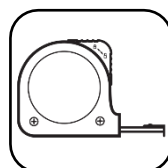
Spirit level



Clamps



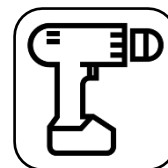
Plumb bob



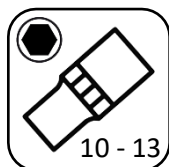
Tape measure



Utility knife



Electric
screwdriver



Sockets
10 - 13



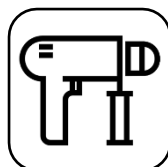
Cruciform bit



Flat keys
10 - 13



Allen keys
3 - 4



Perforator



Torx bit
30



Ladder



Phillips
screwdriver



Flat
screwdriver



Pencil



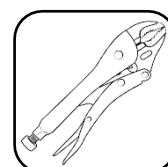
Grinder



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



Grease spray

Kit contents for each door configuration/option

Kits for MOTORISED and MANUAL doors



Kits for MOTORISED doors

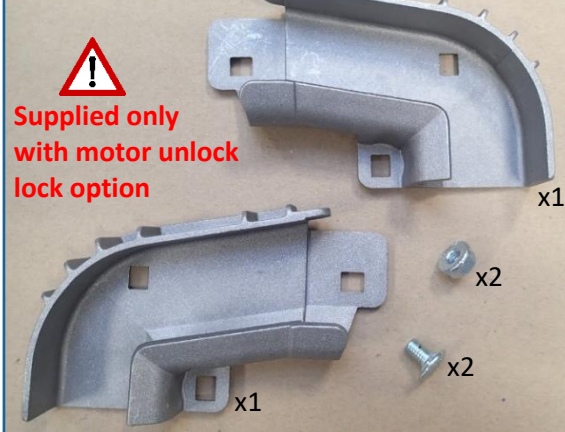
KIS-028



KIS-827

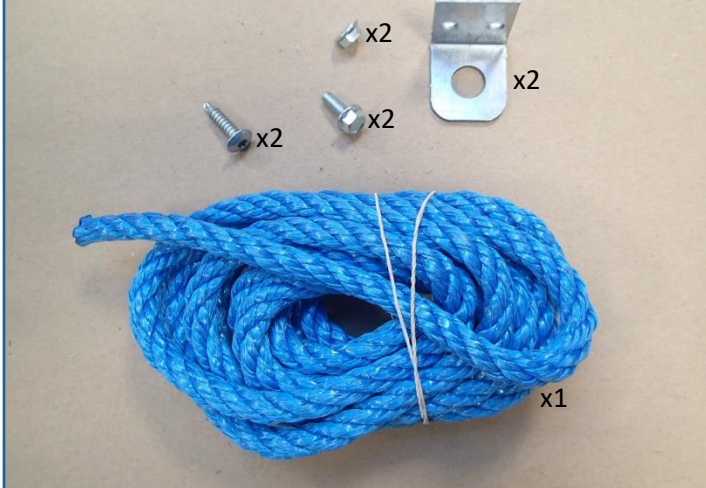


KIS-828

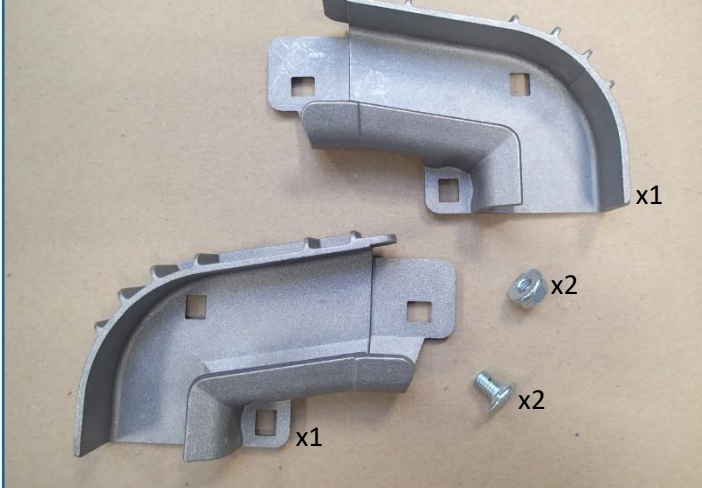


Kits for MANUAL doors

KIS-012

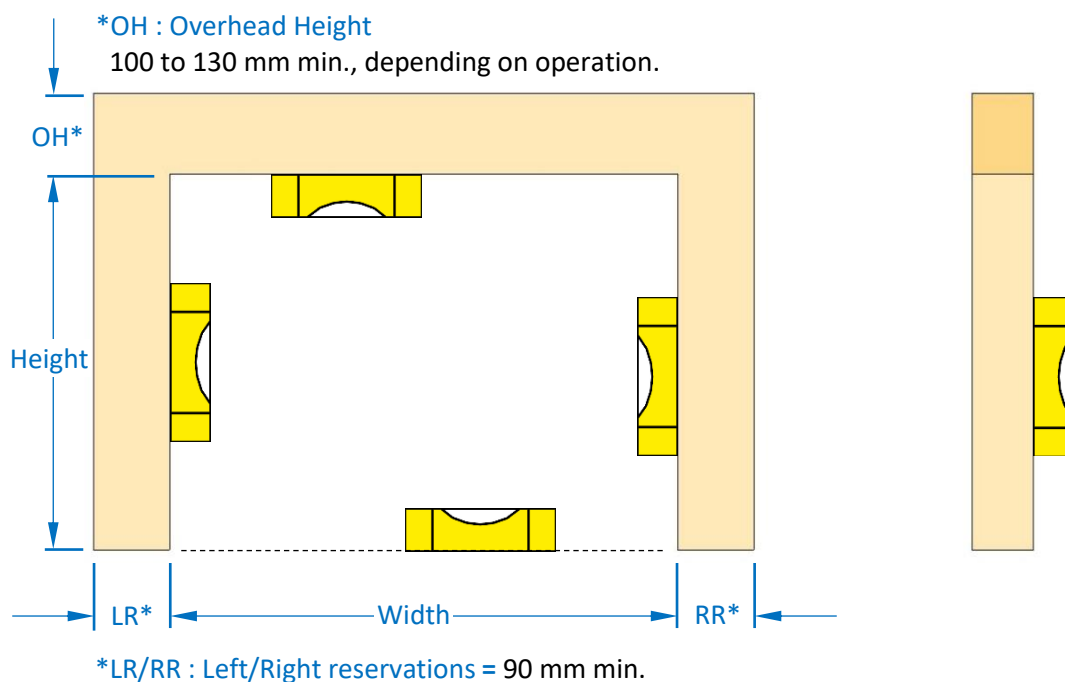
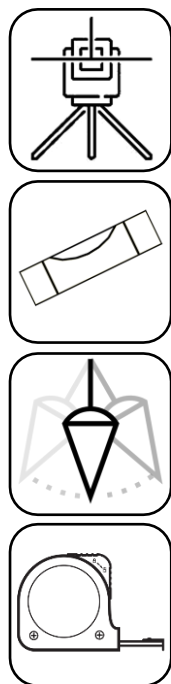


KIS-828

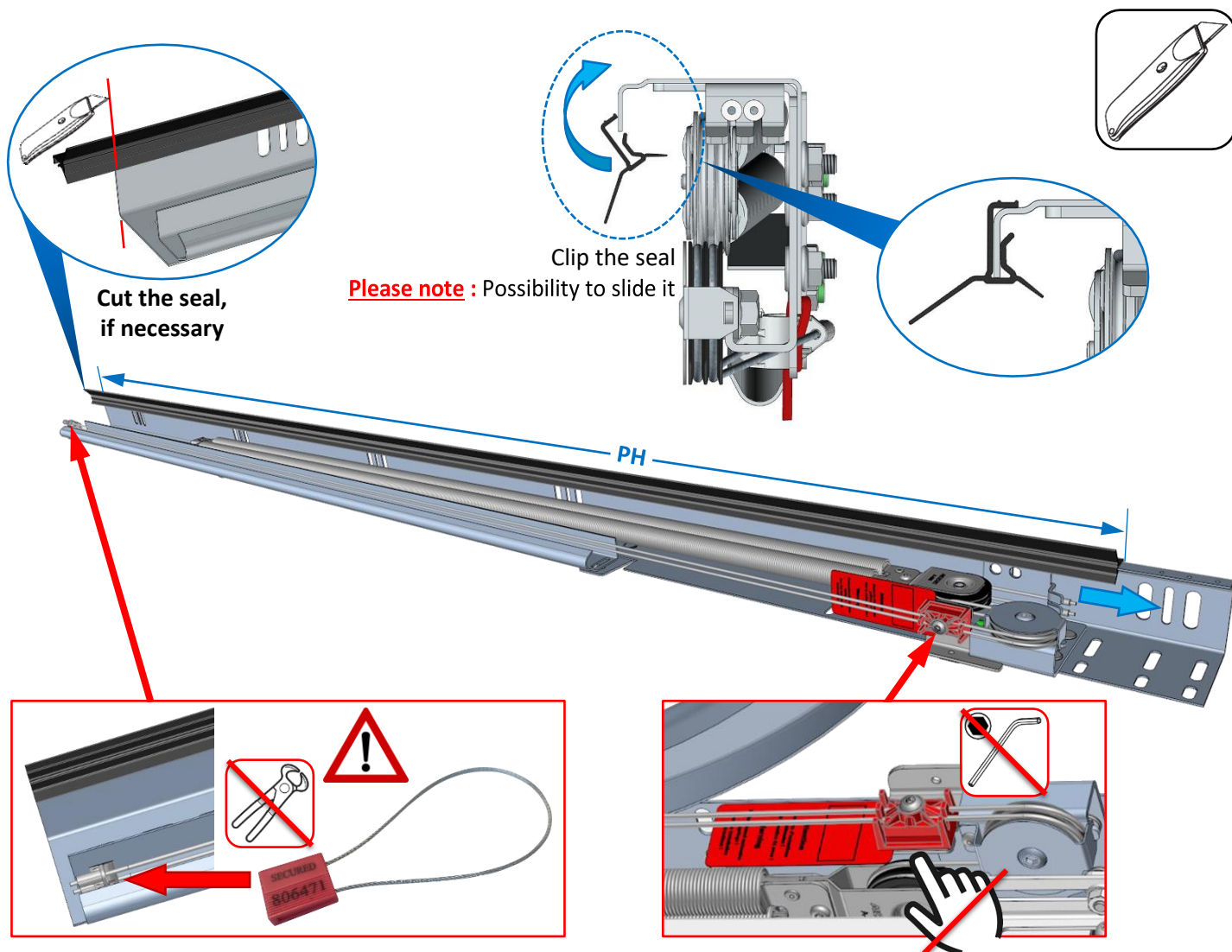


Vertical rail installation

Checking the bay

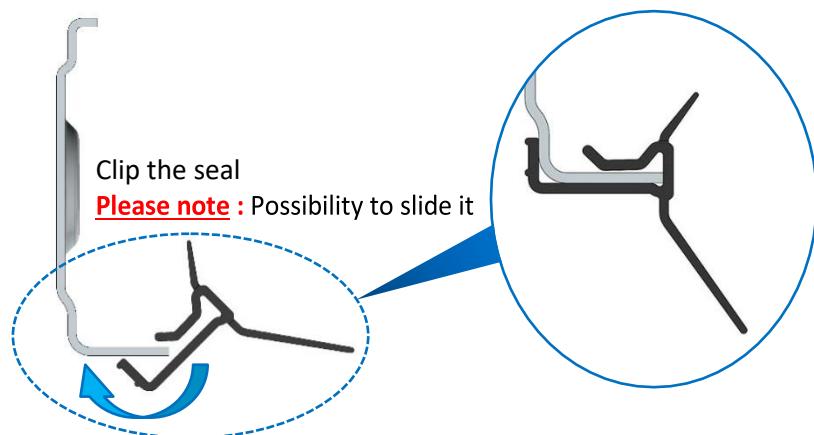
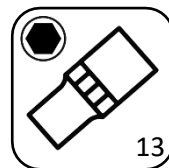
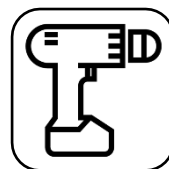
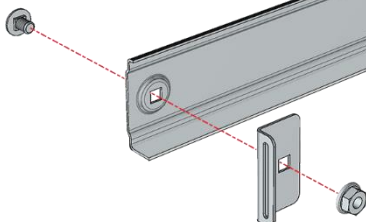
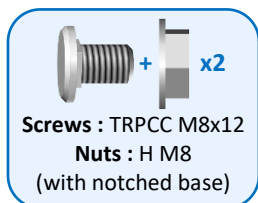


As standard : Mounting of vertical seals

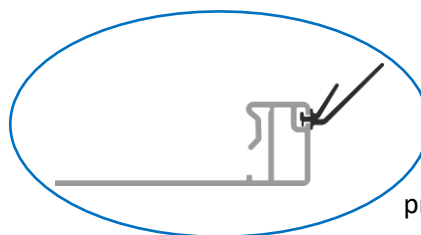
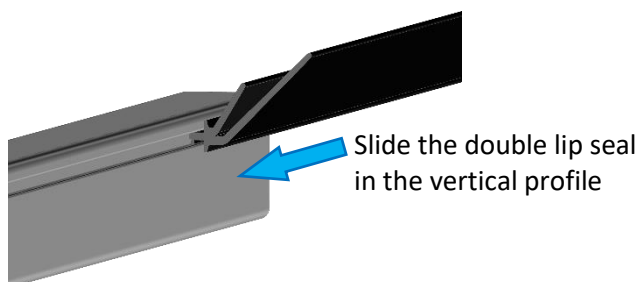


As standard : Mounting the brackets and the seal on the cross-member

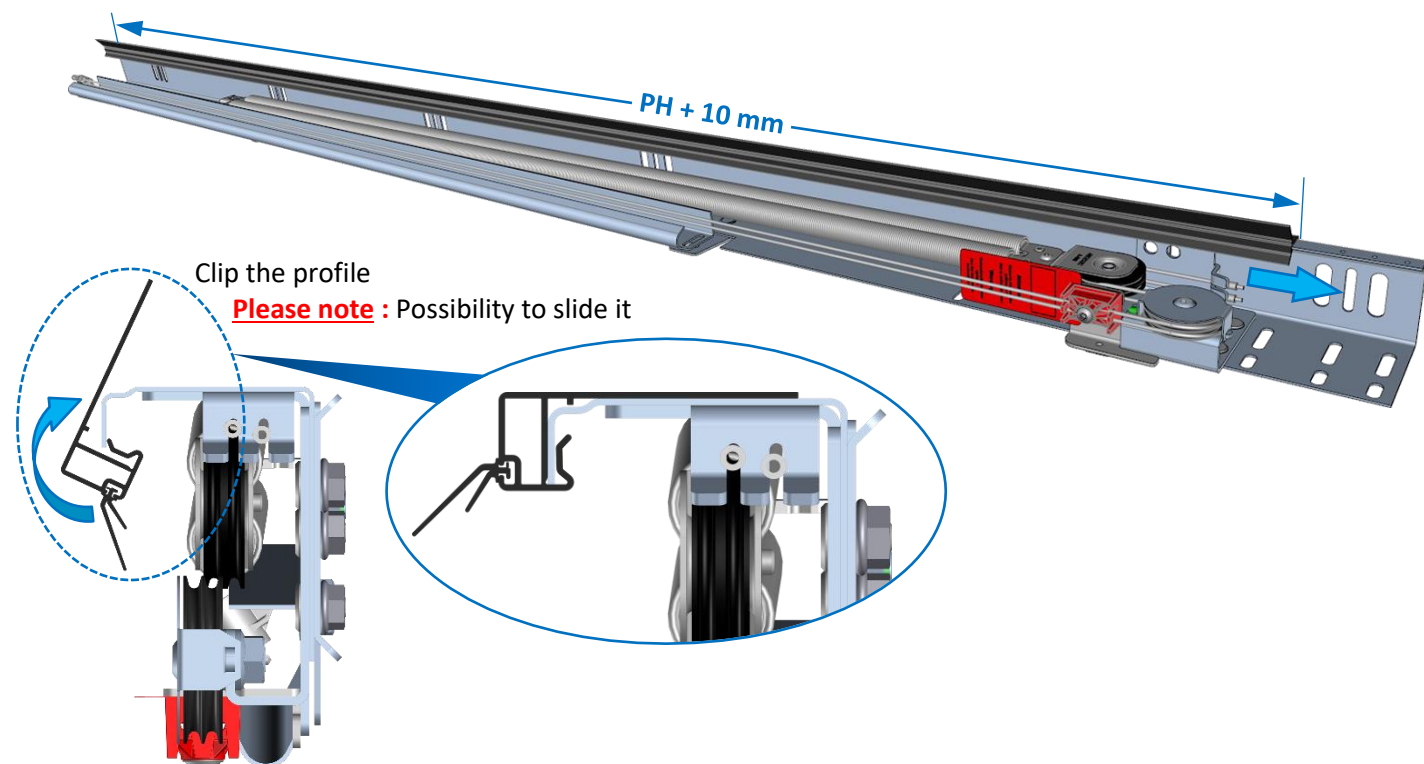
Remove the protective film, before starting the assembly.



Thermal insulation OPTION : Mounting of vertical seals

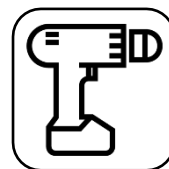
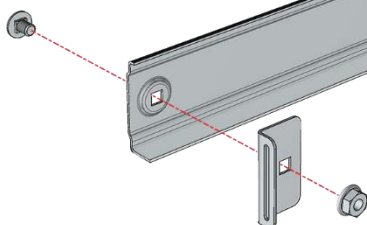
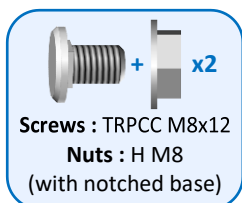


Cut the seal protruding from the profile

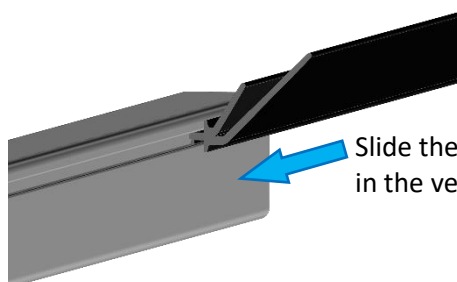


Thermal insulation OPTION : Mounting the brackets and the seal on the cross-member

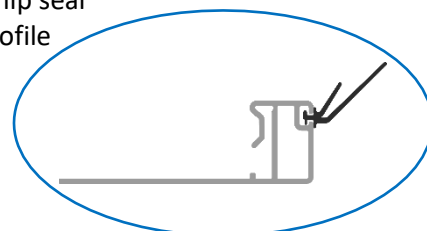
! Remove the protective film, before starting the assembly.



Cut the seal protruding from the profile

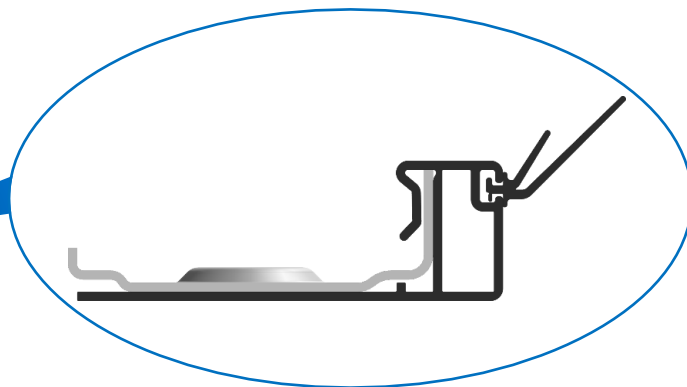
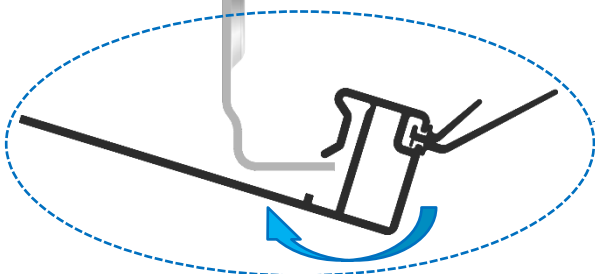


Slide the double lip seal in the vertical profile

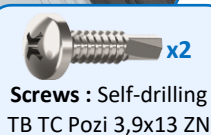
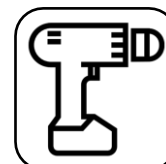
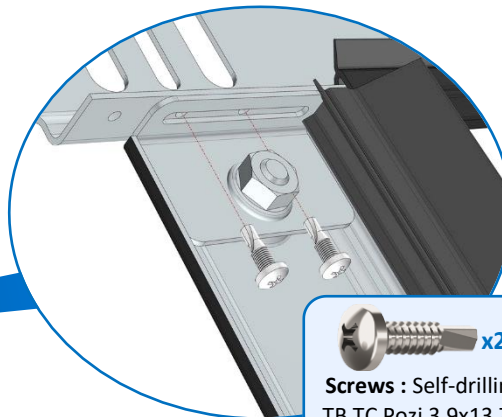
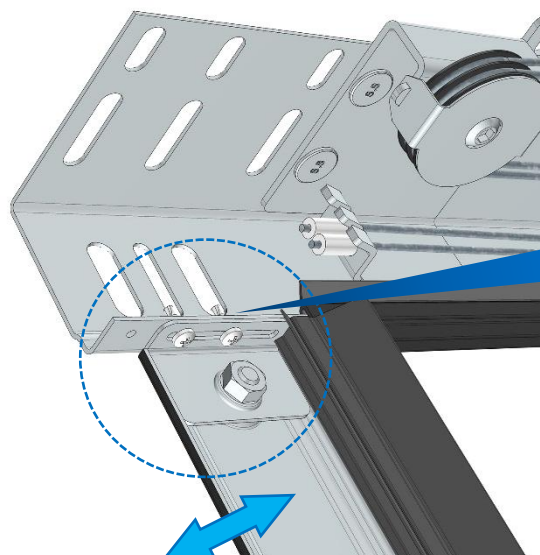


Clip the profile

Please note : Possibility to slide it



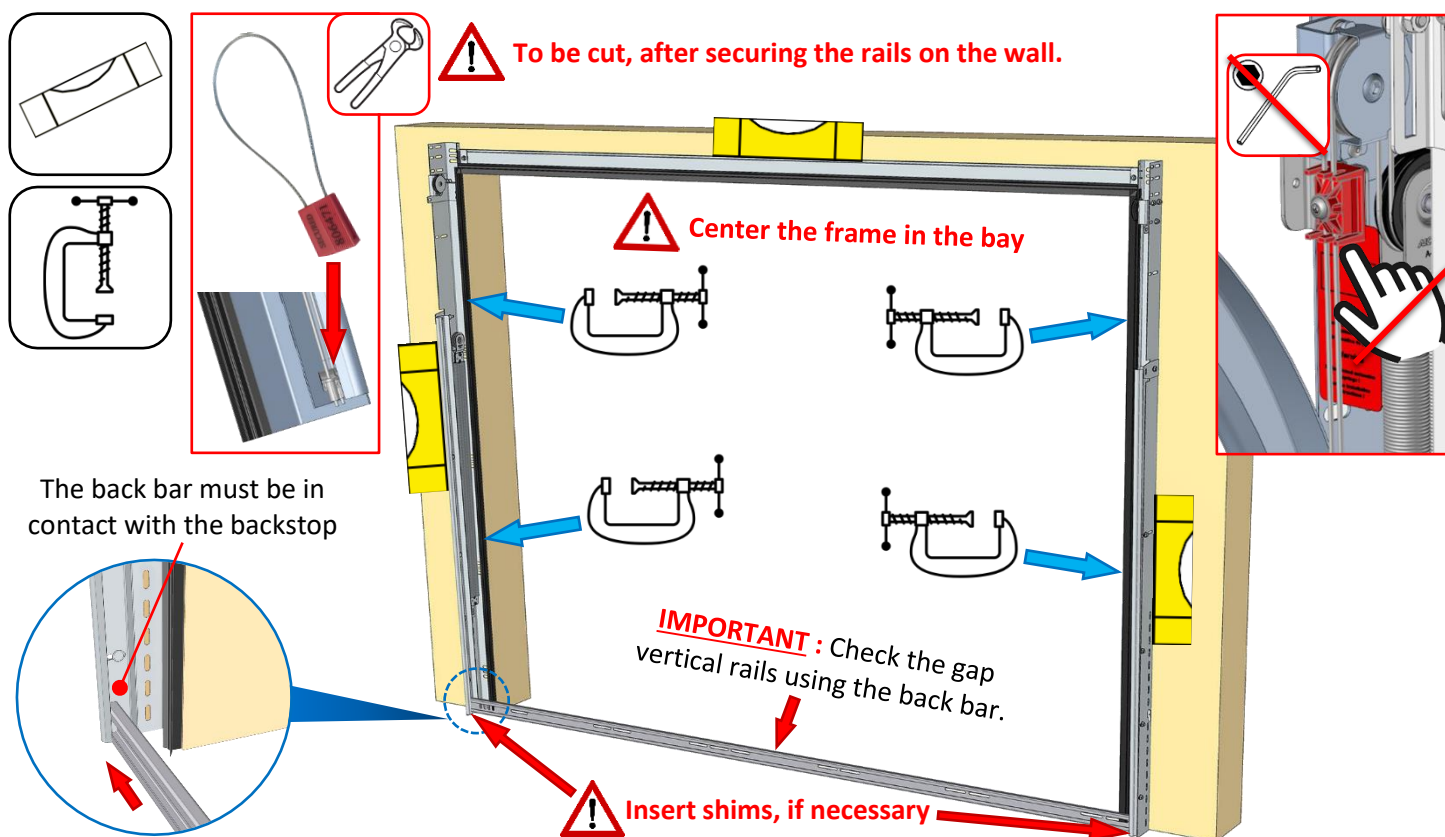
Fixing of the cross-member to the floor



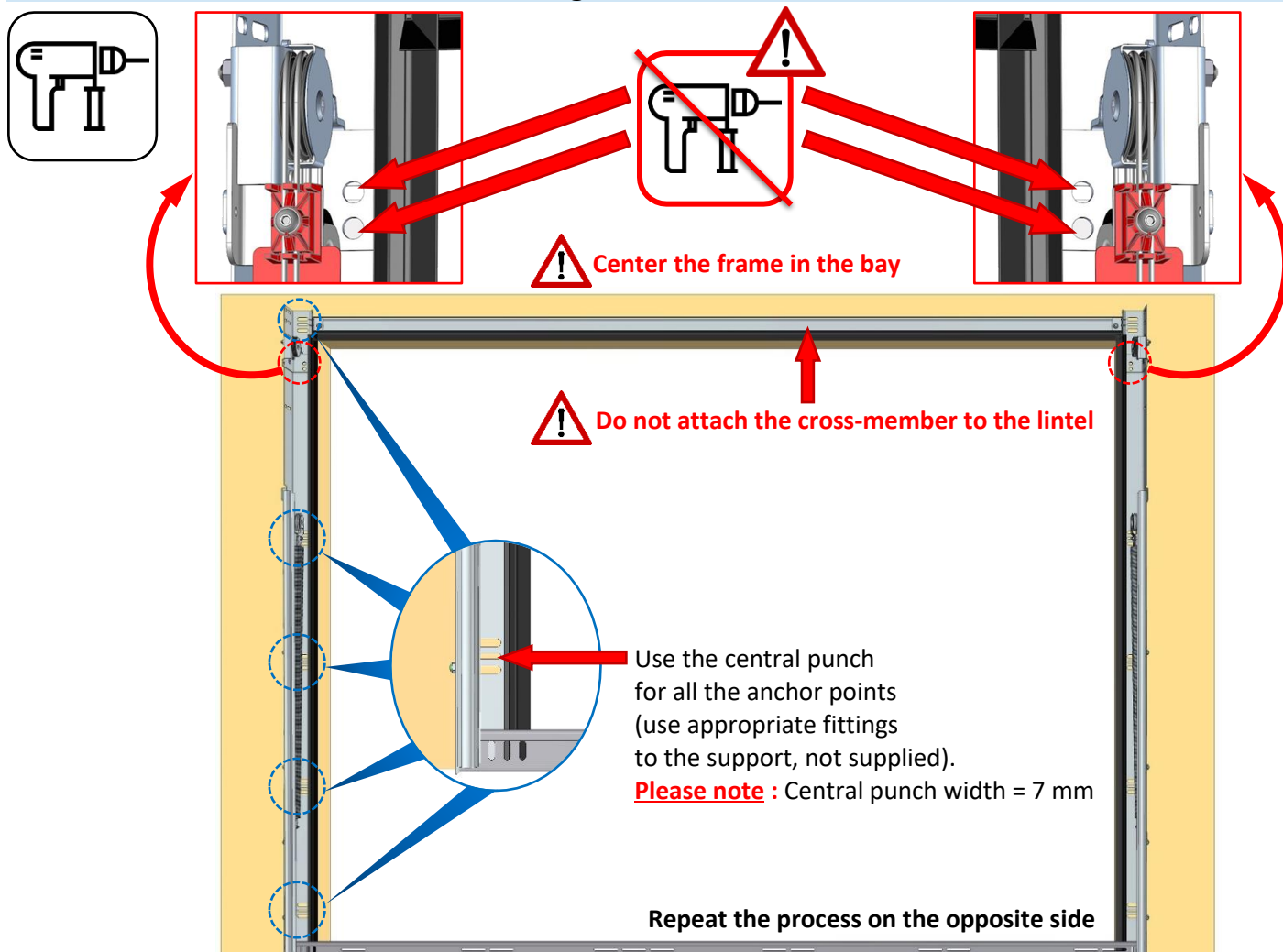
The vertical position of the cross-member will be adjusted once the rails have been mounted on the wall

Repeat the process with the other vertical rail

Layout of the frame

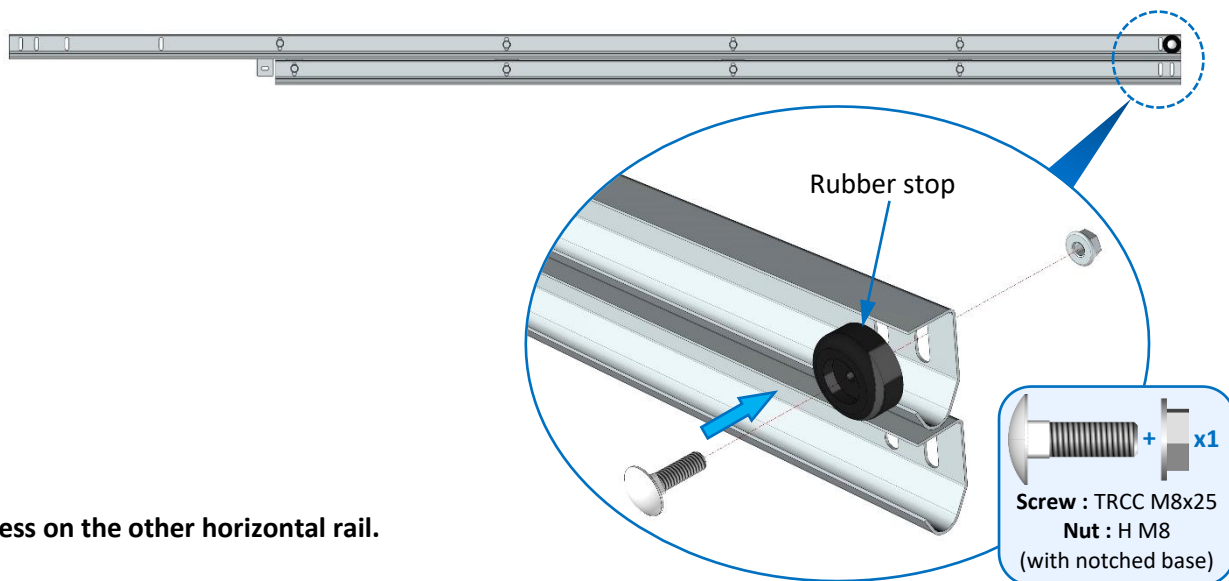
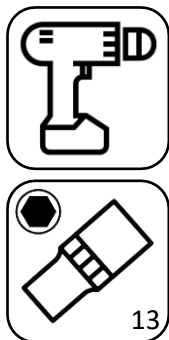


Fixing the vertical rails



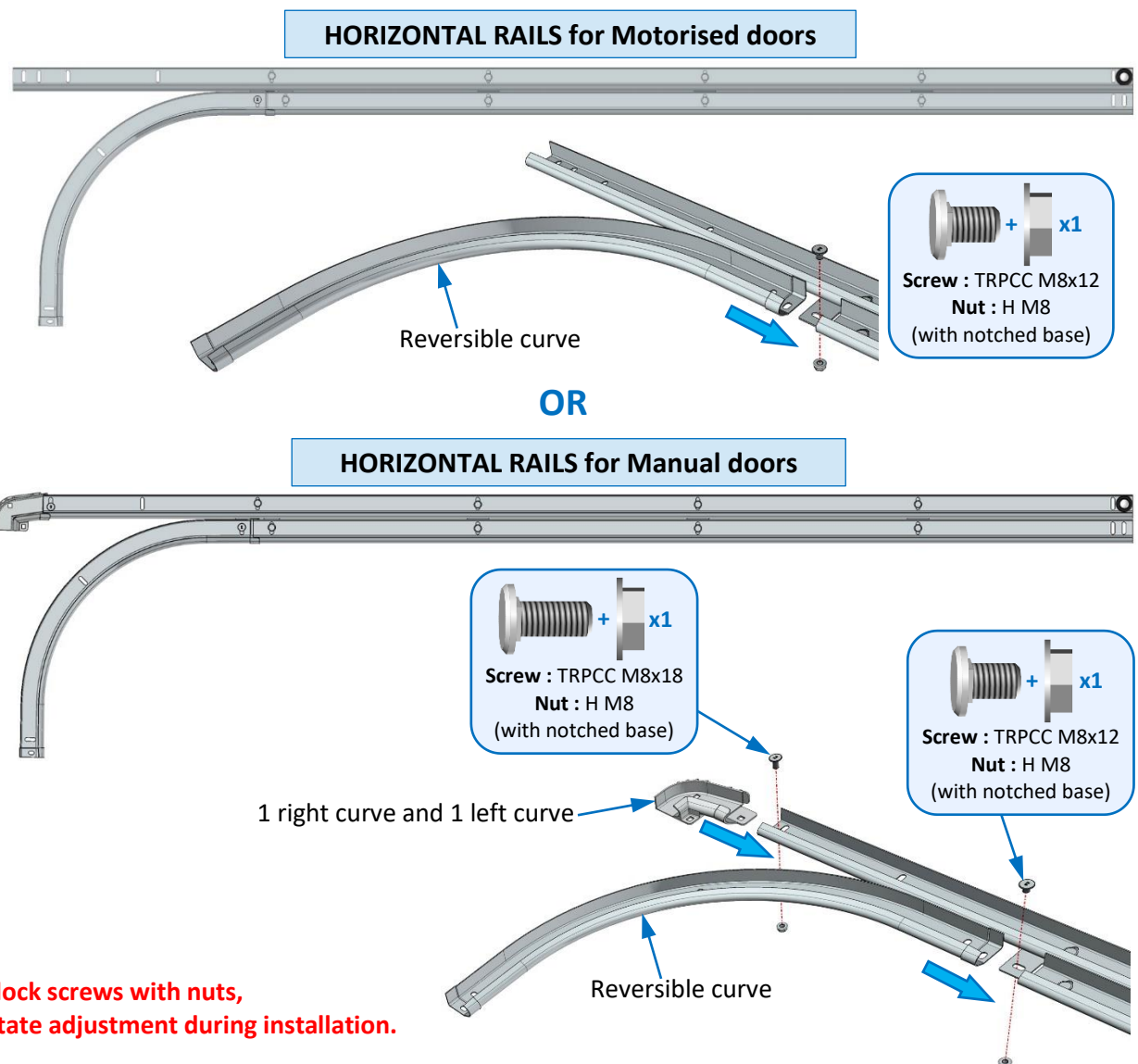
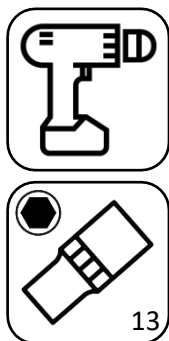
Horizontal rail installation

Mounting of the stops (motorised doors)



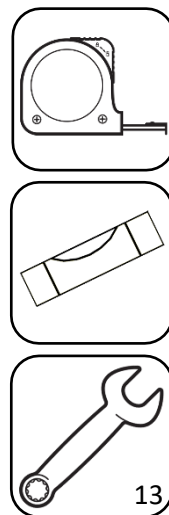
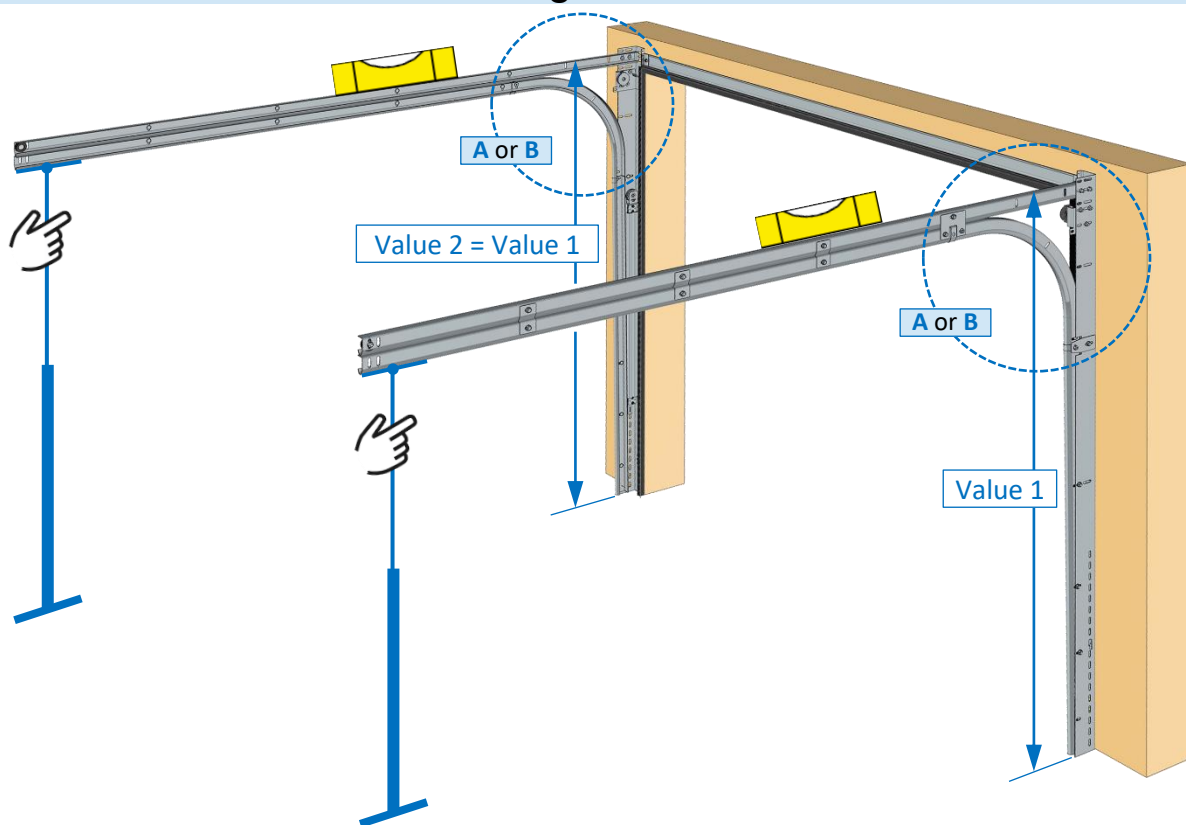
Repeat the process on the other horizontal rail.

Assembling of curves



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

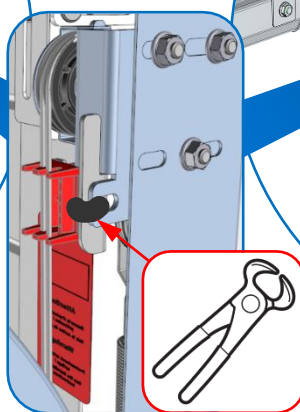
Fixing the horizontal rails



A- MOTORISED door

B- MANUAL door

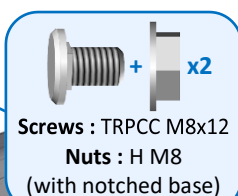
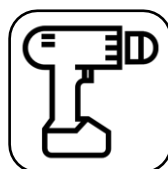
Screws : TRPCC M8x18
Nuts : H M8
(with notched base)



Cut the clamp
left & right side

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

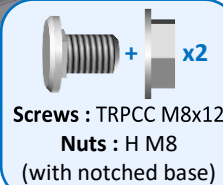
Assembling the back bar brackets



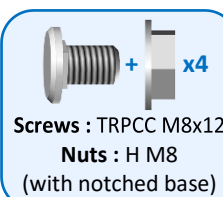
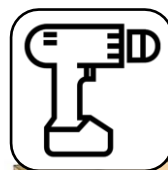
End of back bar in contact with bracket

MANUAL door : OH < 130 mm
MOTORISED door : OH < 130 mm
"Sommer" or "Liftmaster (if PH > 2125 mm)"

Back bar end aligned with end of bracket



Installing the back bar



MANUAL door

OH < 130 mm

or

OH ≥ 130 mm

MOTORISED door

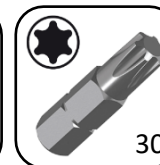
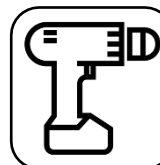
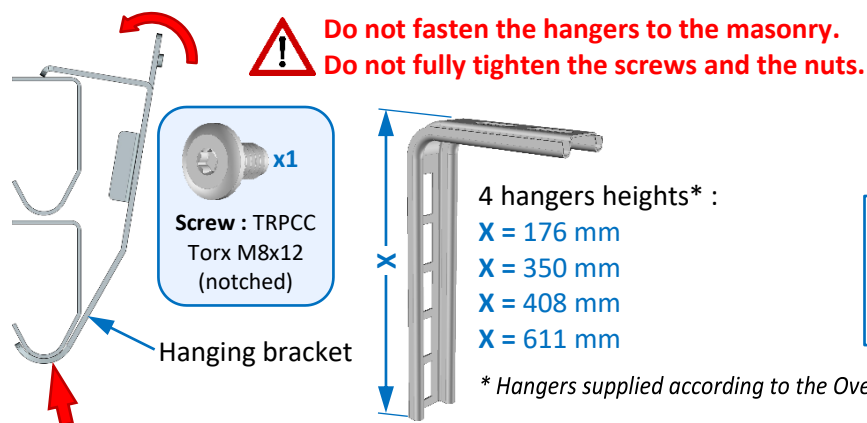
OH < 130 mm

Sommer or Liftmaster (if PH > 2125 mm) operator only

or

« All operators »
Except {
 • Sommer OH < 130 mm
 • Liftmaster OH < 130 mm (if PH > 2125 mm)

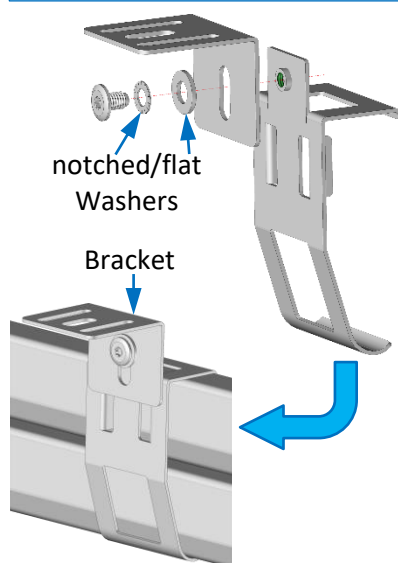
Installing the hangers



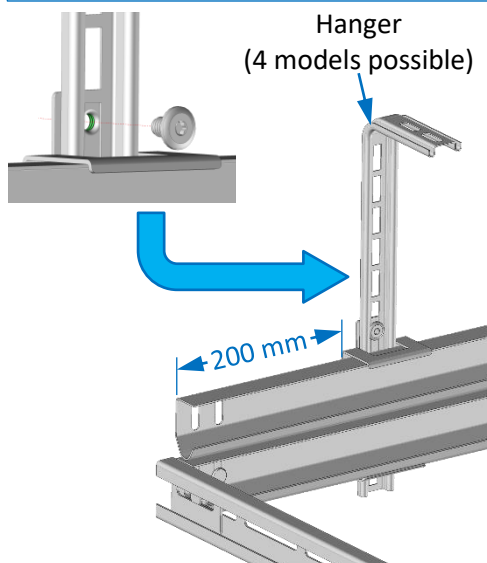
Adapt the number of hangers to the dimensions of the doors :

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

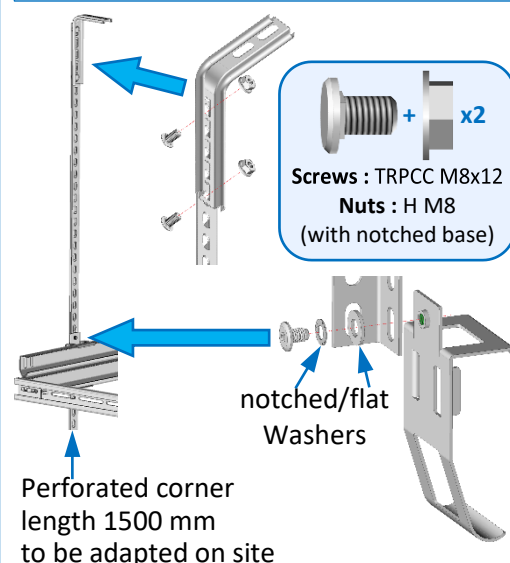
Assembly : $OH \leq 115 \text{ mm}$



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

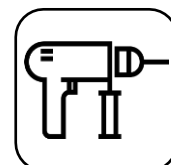
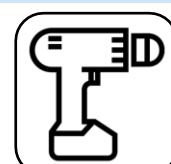
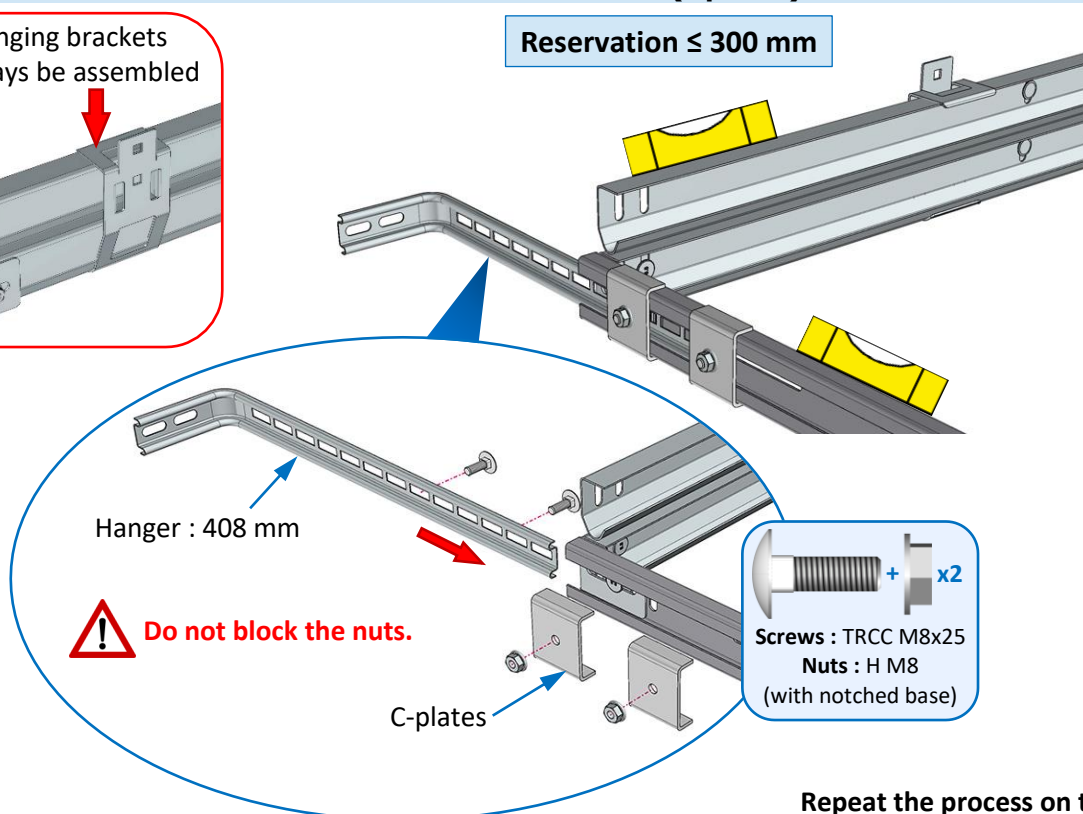
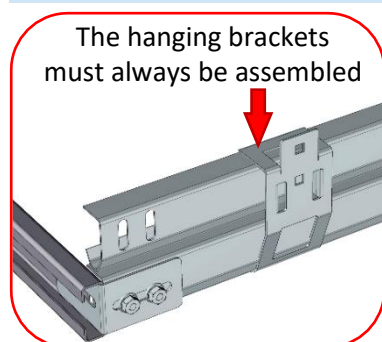


Assembly : $670 \text{ mm} < OH \leq 1600 \text{ mm}$



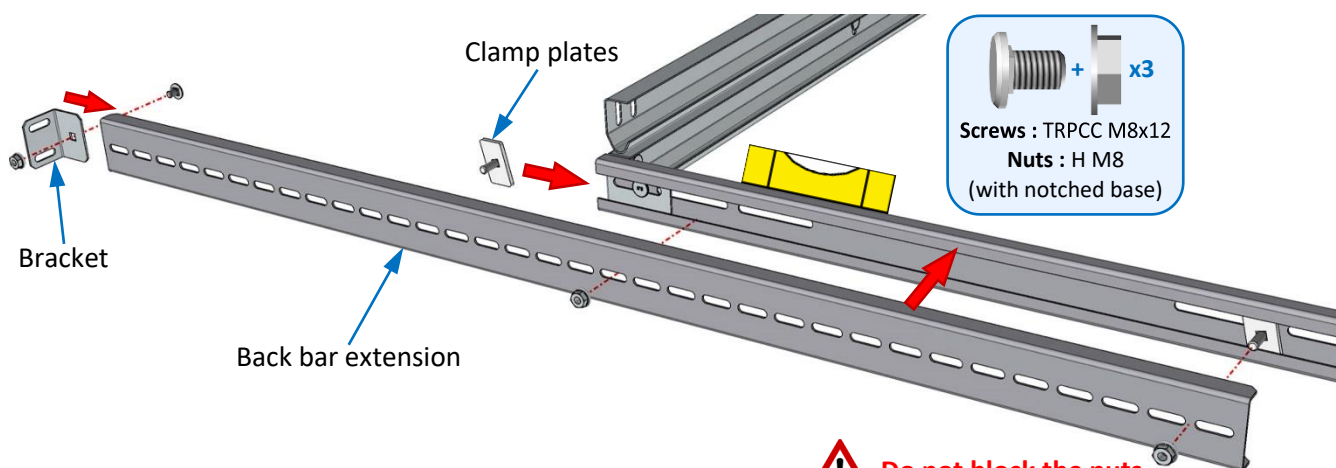
Back bar extension (option)

Reservation $\leq 300 \text{ mm}$



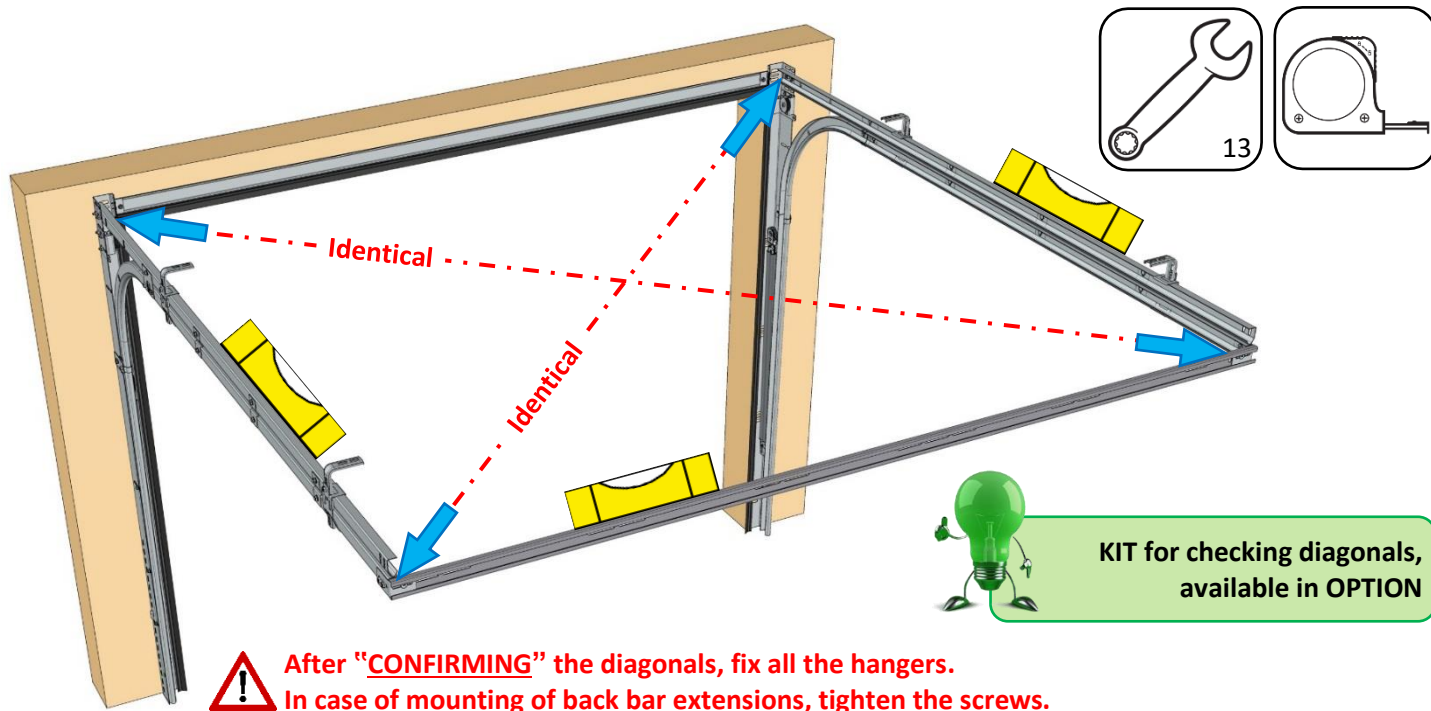
Repeat the process on the opposite side

300 mm < Reservation ≤ 1000 mm



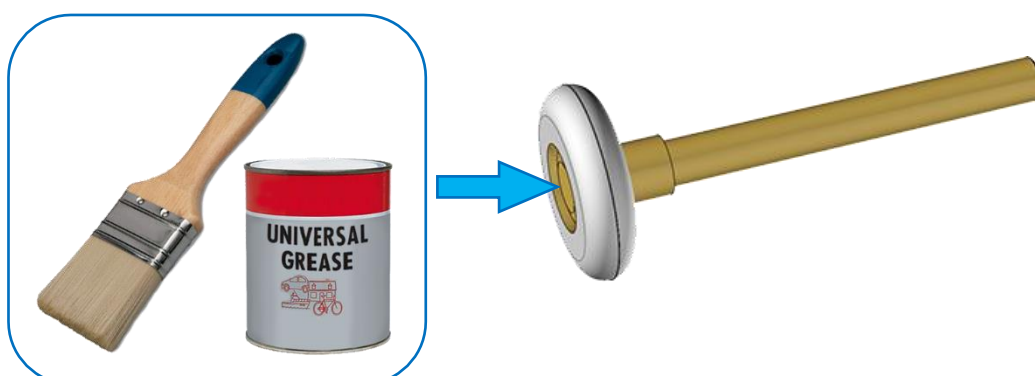
Repeat the process on the opposite side.

Checking the diagonals



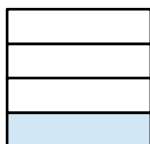
Mounting of the panels

Grease all roller shafts

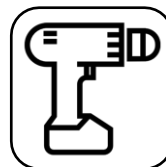


Panels preparation

BOTTOM PANEL

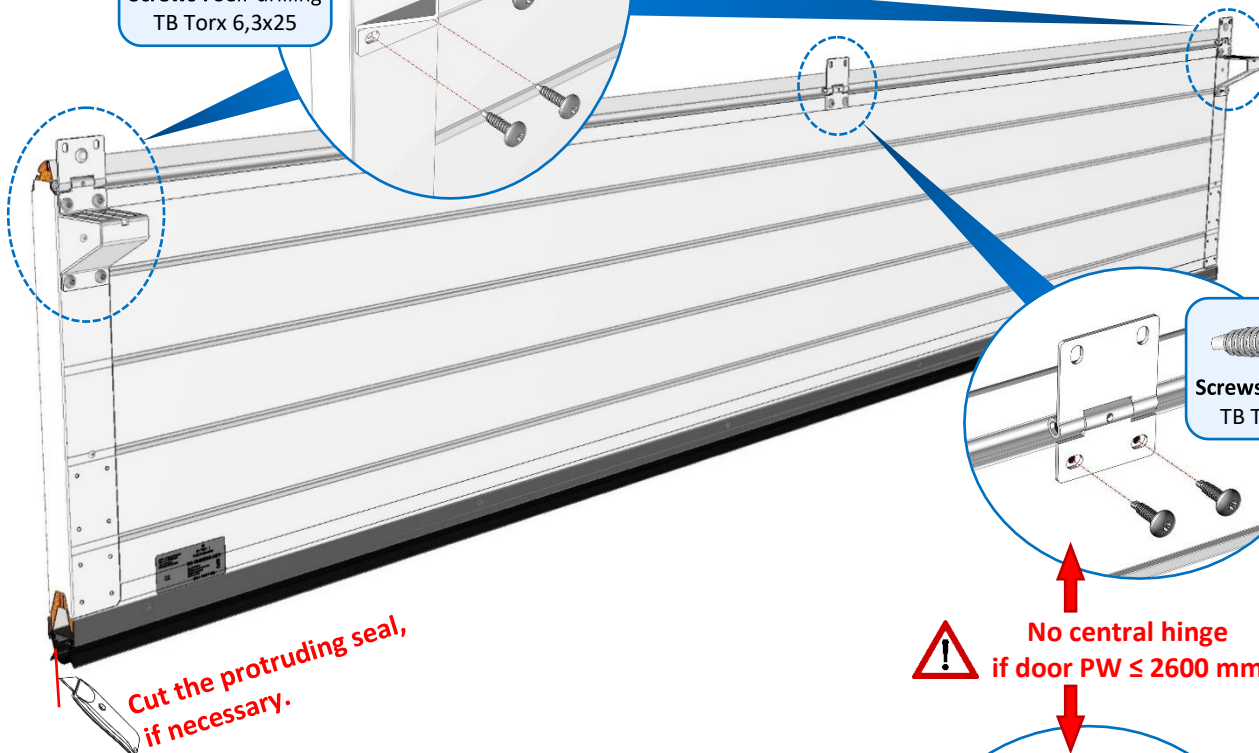
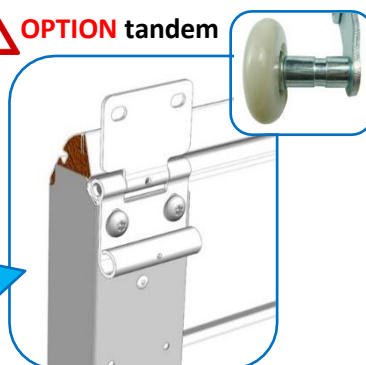


! OPTION tandem



x8
Screws : Self-drilling
TB Torx 6,3x25

OR



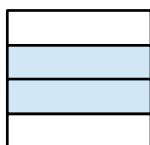
Cut the protruding seal,
if necessary.

x2
Screws : Self-drilling
TB Torx 6,3x25

**! No central hinge
if door PW ≤ 2600 mm**

x2
Screws : Self-drilling
TB Torx 6,3x25

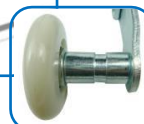
INTERMEDIATE PANEL(S)



x8
Screws : Self-drilling
TB Torx 6,3x25

OR

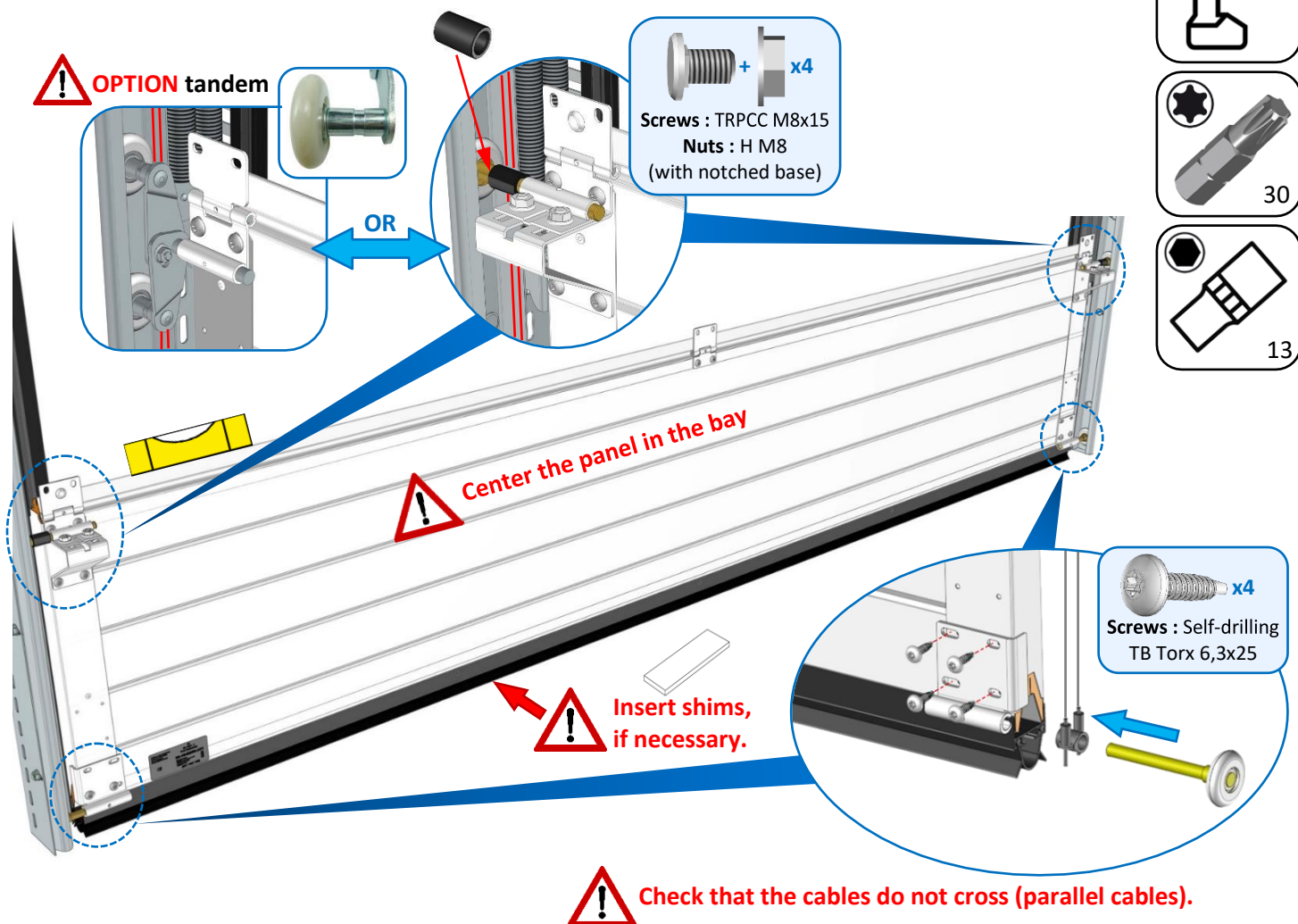
! OPTION tandem



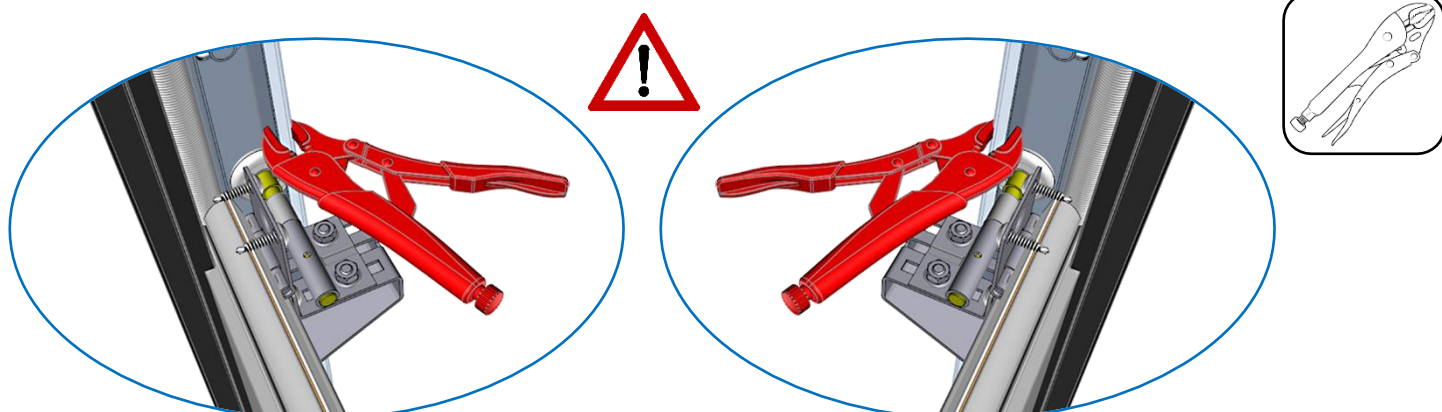
Installing the bottom panel

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

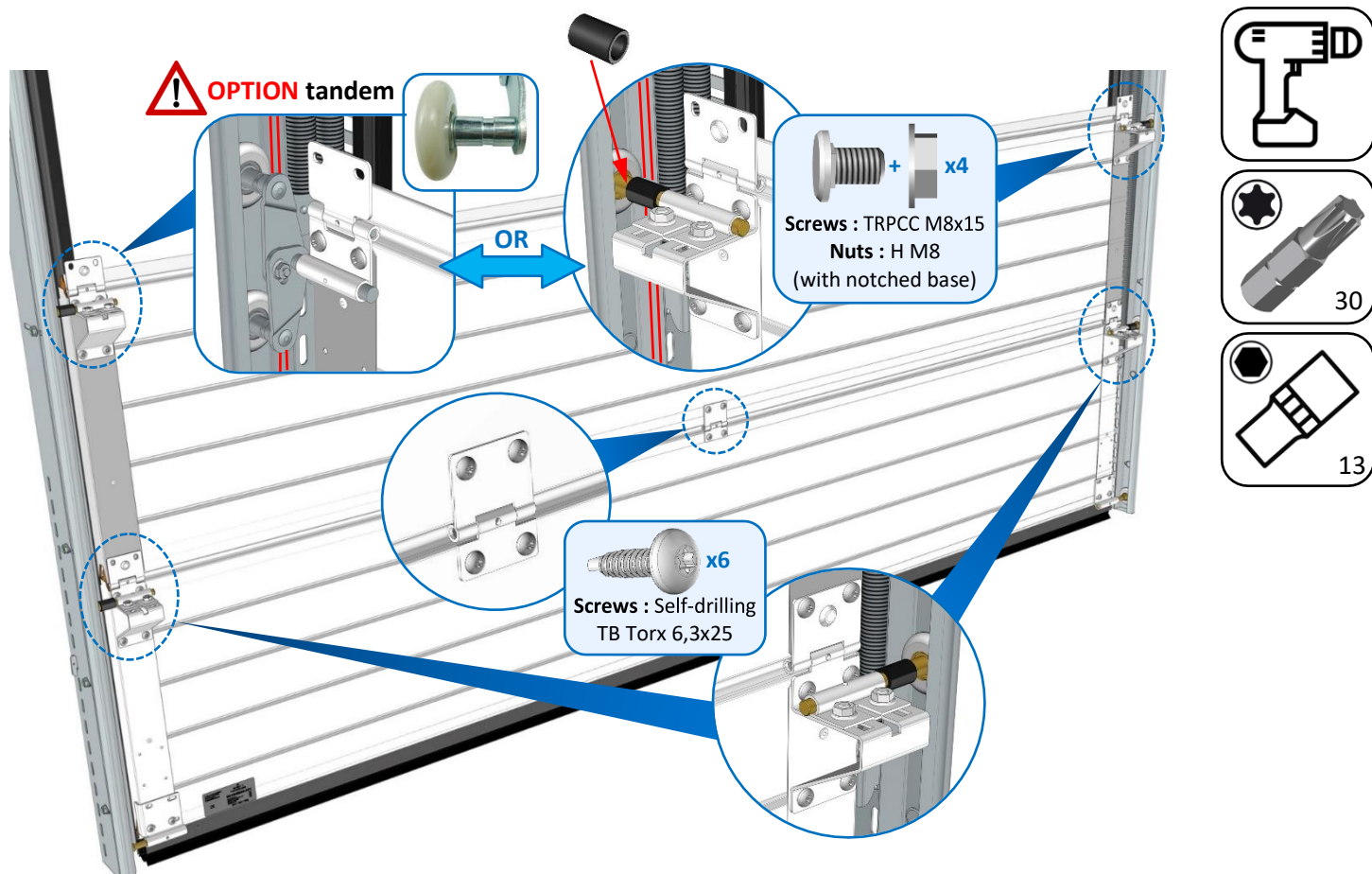
! OPTION tandem



Secure mounting of the panels on both sides



Installing the intermediate panel(s)

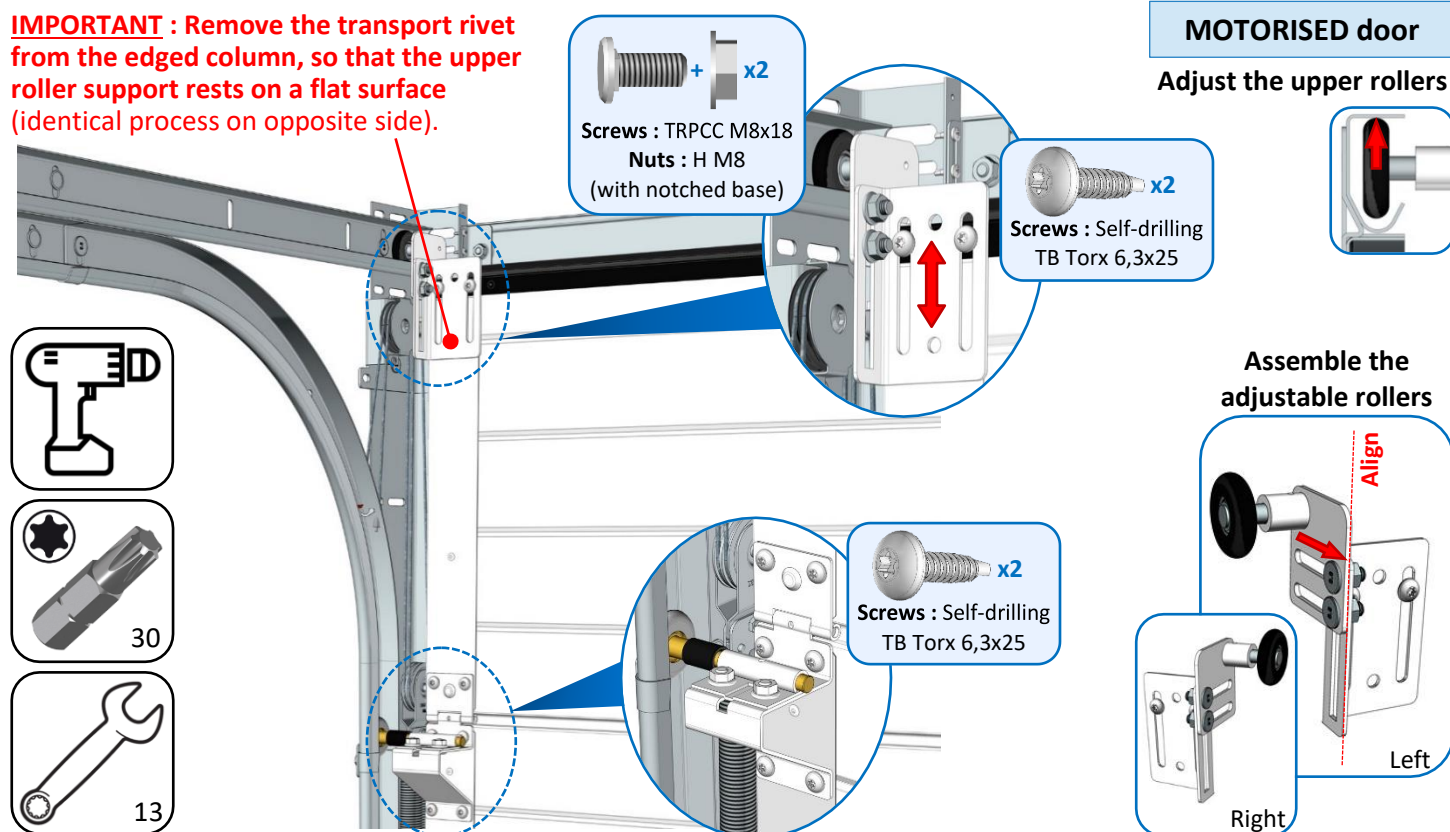


Installing the top panel

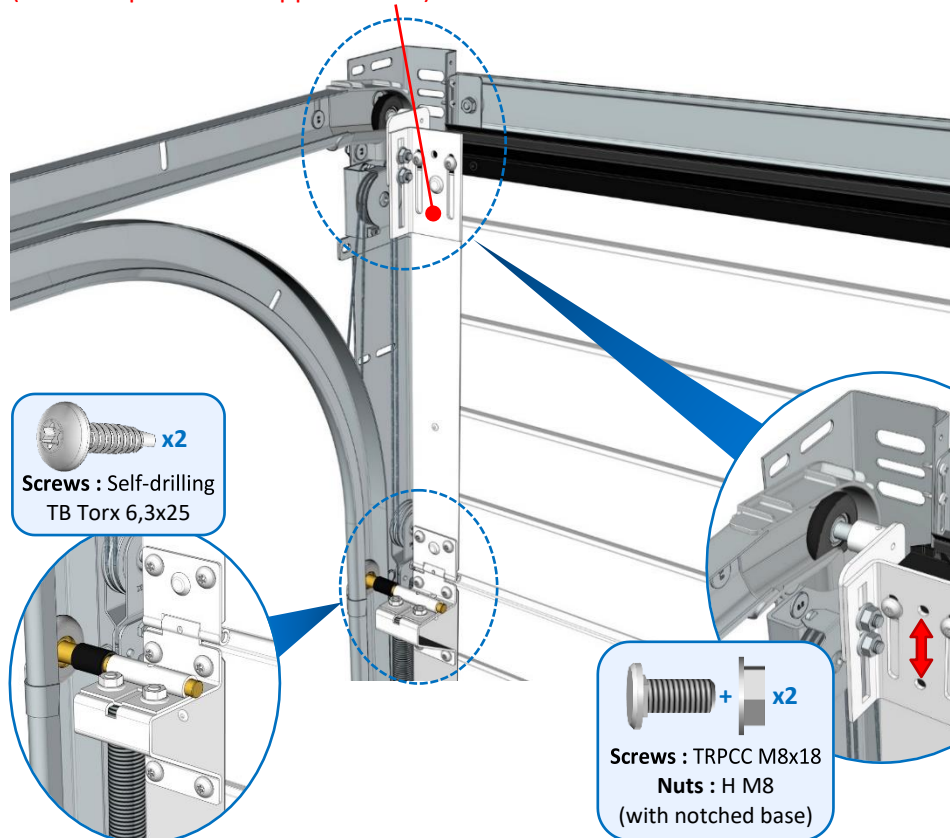
IMPORTANT : Remove the transport rivet from the edged column, so that the upper roller support rests on a flat surface (identical process on opposite side).

MOTORISED door

Adjust the upper rollers

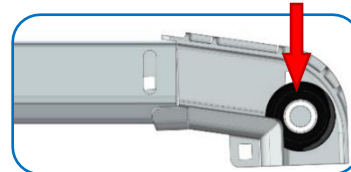


IMPORTANT : Remove the transport rivet from the edged column, so that the upper roller support rests on a flat surface (identical process on opposite side).



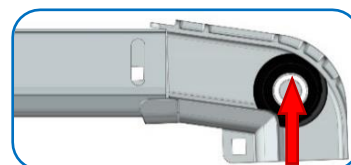
MANUAL door

Adjust the upper rollers



MANUAL version

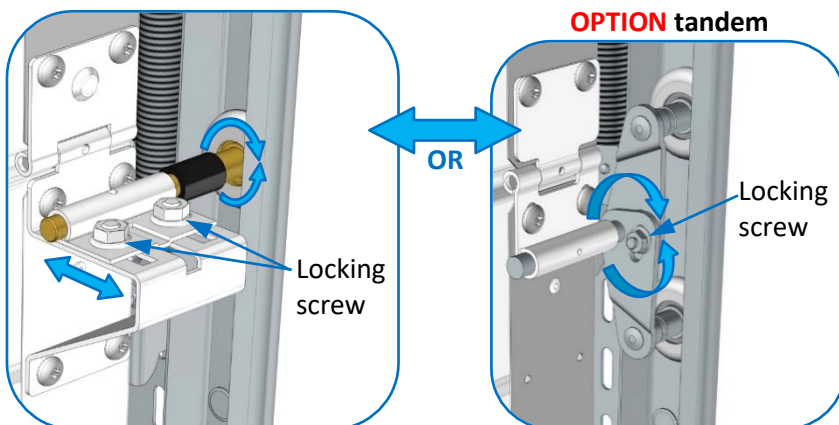
or



MOTORISED version

Adjusting the rollers

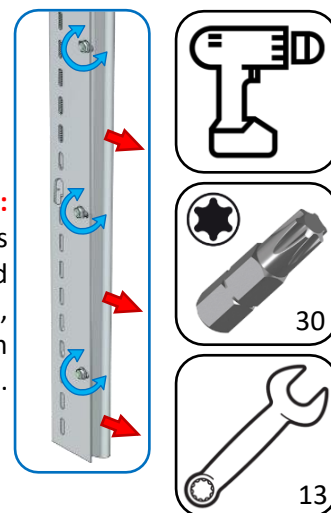
OPTION tandem



⚠ The roller rod must be able to turn freely.
Do not crush the panels on vertical joints.

Repeat the process for all rollers.

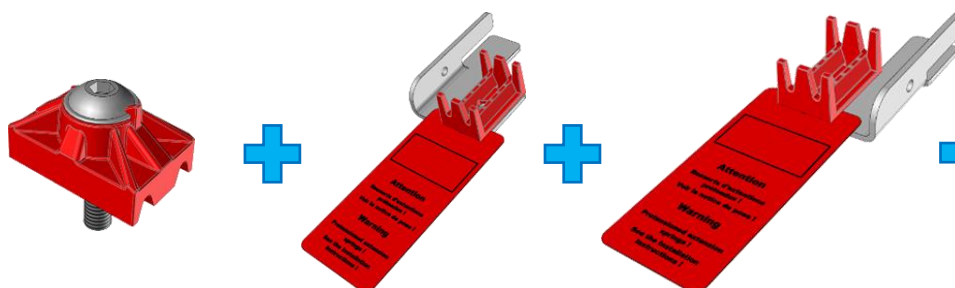
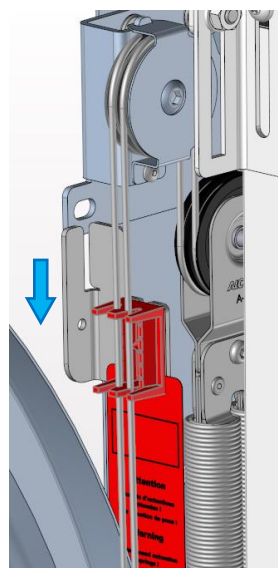
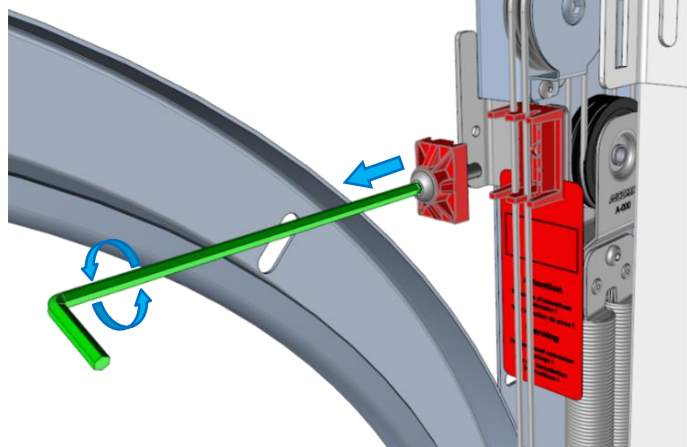
Please note :
if the panels jams at the end of closing, move the bottom of the rails.



Removal of top safety parts

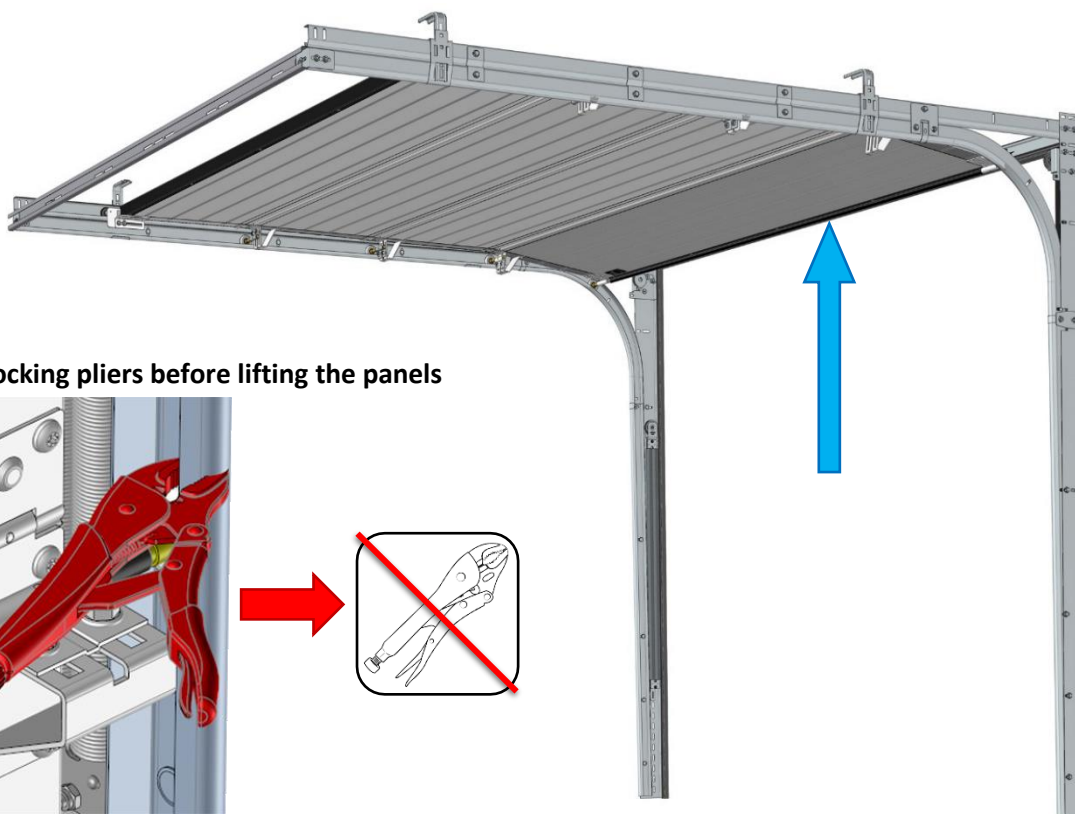
IMPORTANT

To be removed
after mounting the panels.

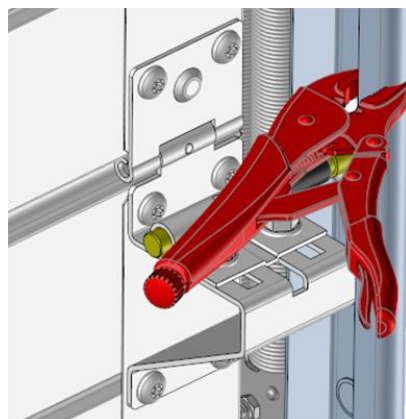


To be kept for subsequent
maintenance operation on
the door.

Opening of the door



Remove the locking pliers before lifting the panels



Checking the balance

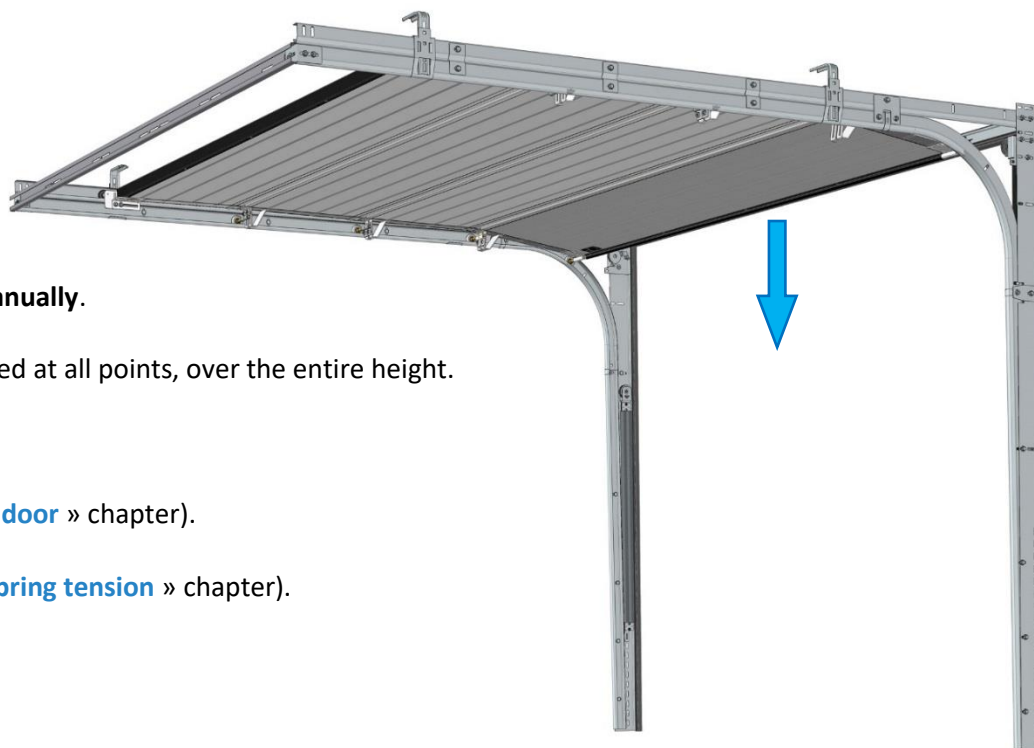


Gently close the panels and **operate it several times manually**.

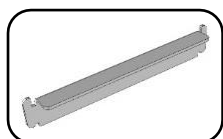
Note : The door must be balanced at all points, over the entire height.

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



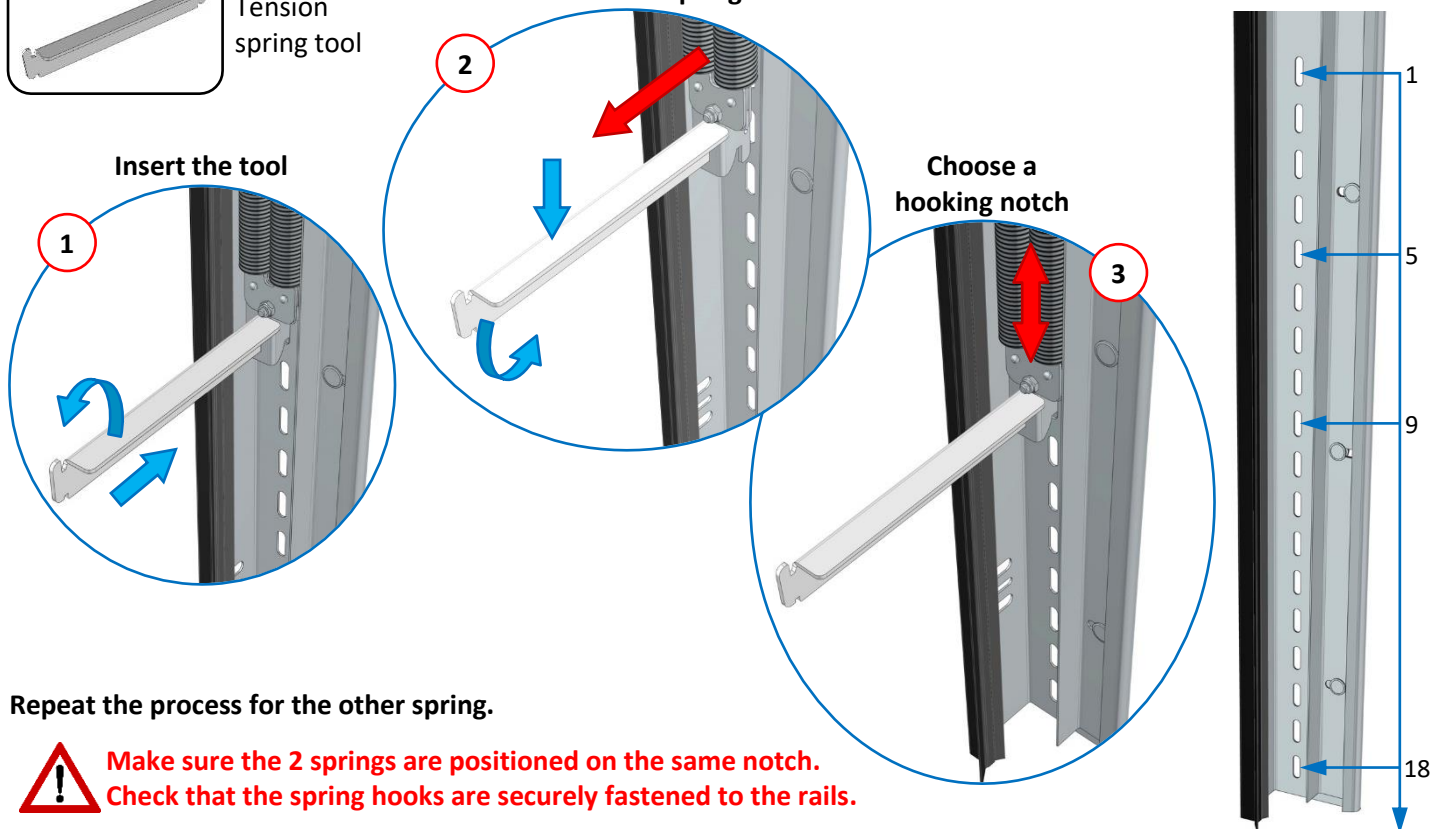
Tension spring tool

Unhook the spring

Count the notches

Insert the tool

Choose a hooking notch



Repeat the process for the other spring.

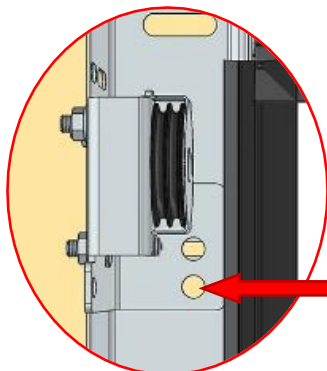
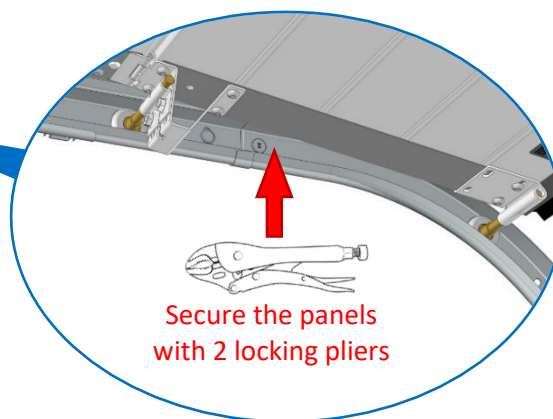
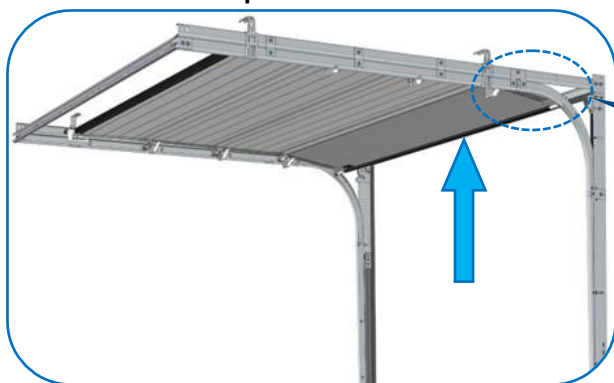


Make sure the 2 springs are positioned on the same notch.
Check that the spring hooks are securely fastened to the rails.

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

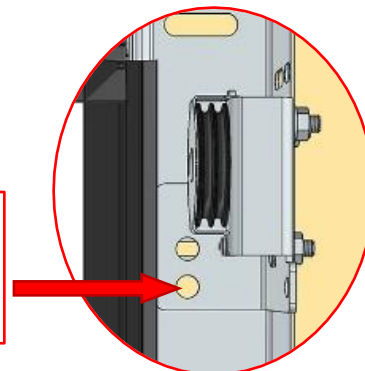
Fixing vertical rails at the level right & left pulleys

Open the door



IMPORTANT

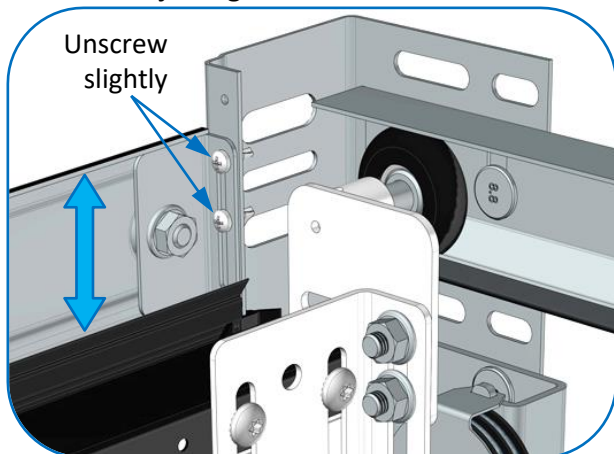
Securely fix
the 2 pulley holders



Finishes

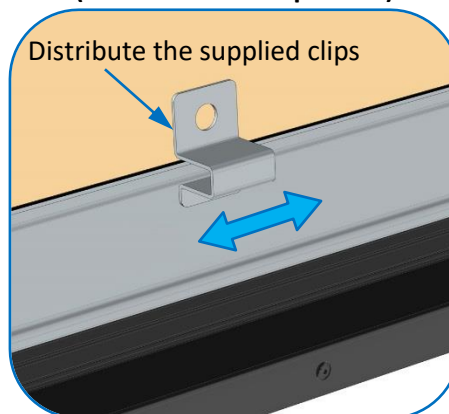
Adjusting and fixing of the cross-member

Adjusting of the cross-member

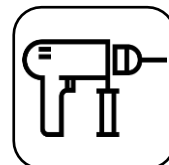
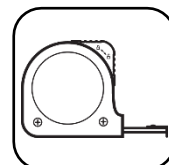


Repeat the process on the opposite side

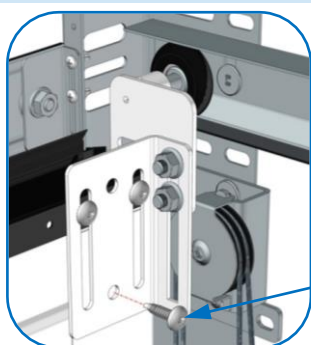
Fixing of the cross-member
(Install after the operator)



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



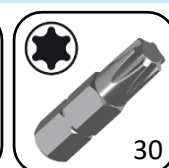
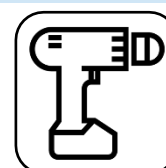
Fixing the upper roller supports



Add



Screw : Self-drilling
TB Torx 6,3x25

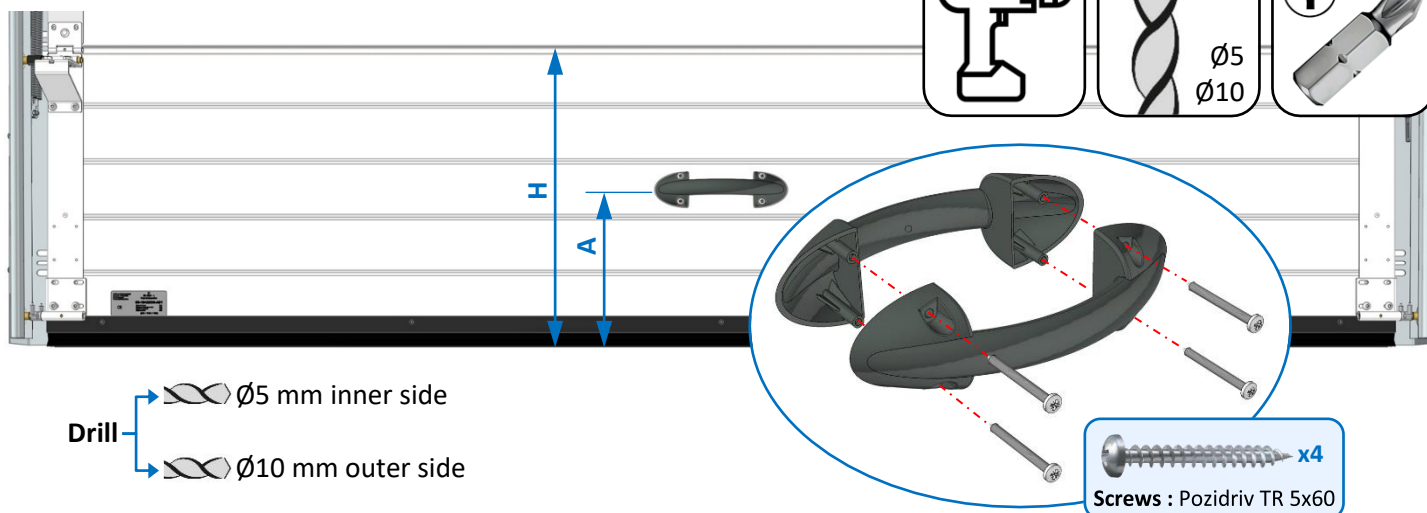


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Repeat the process on the opposite side

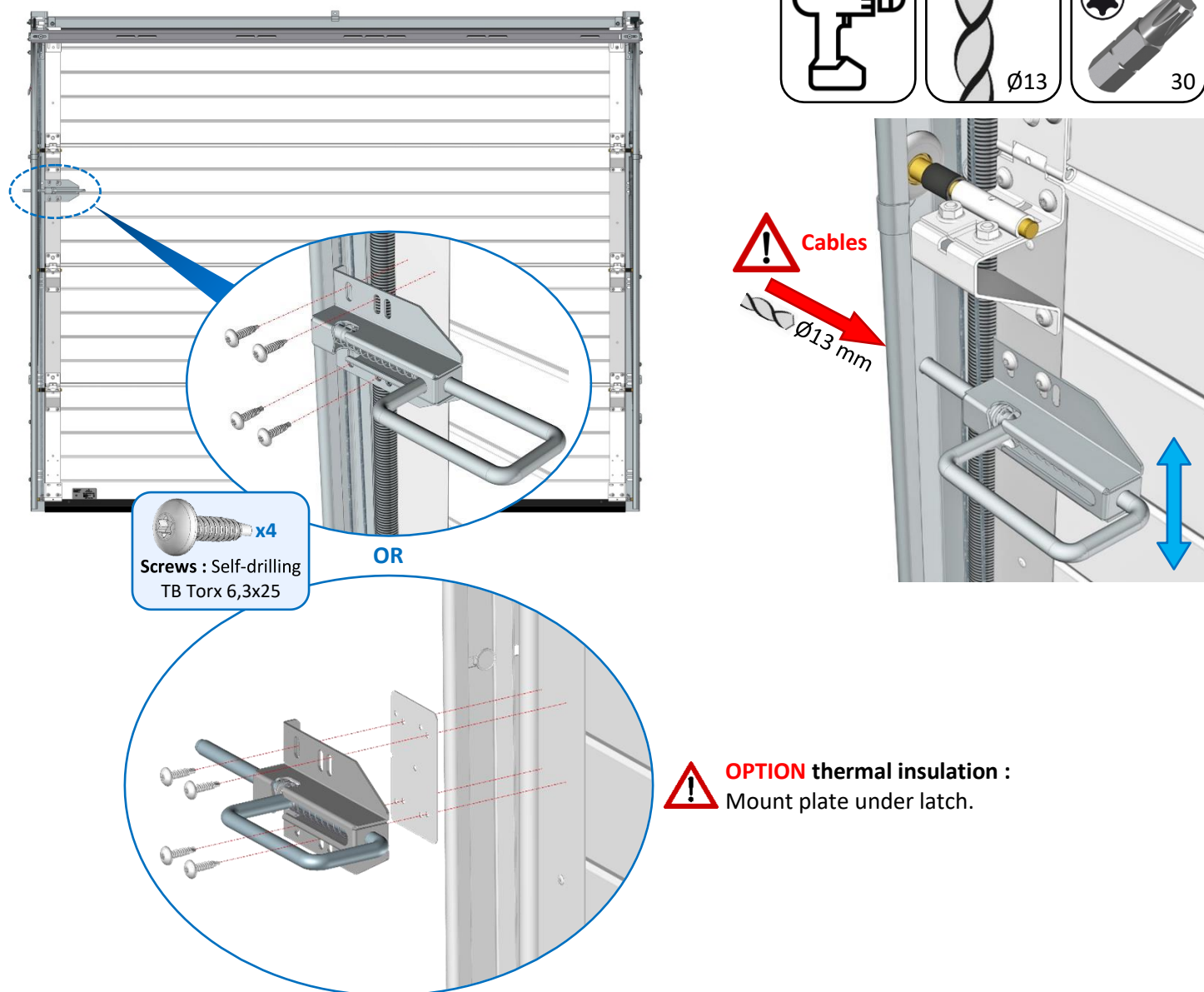
Mounting the handle

On the bottom panel : Max. handle position : $A = H / 3$



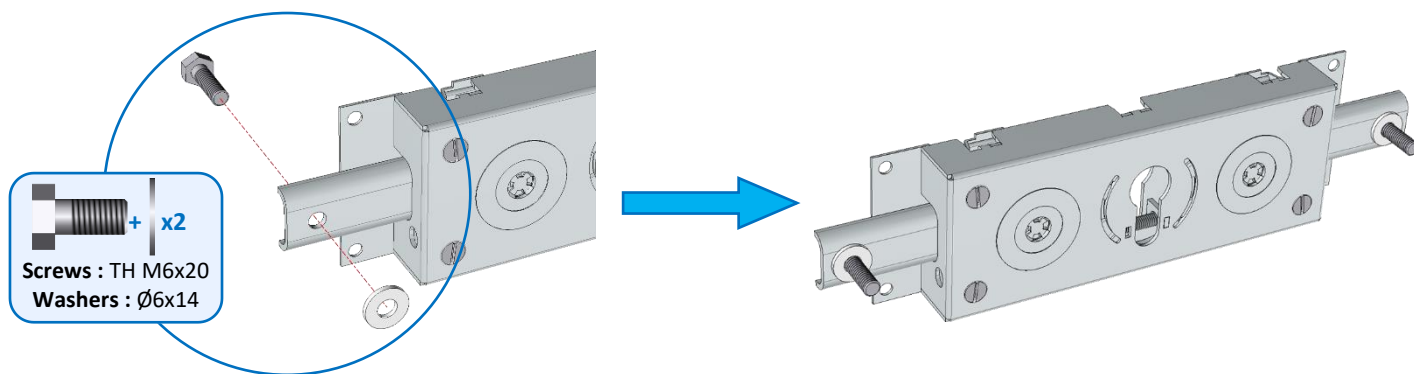
Mounting the latch (optional on motorised doors)

On 2nd intermediate panel :

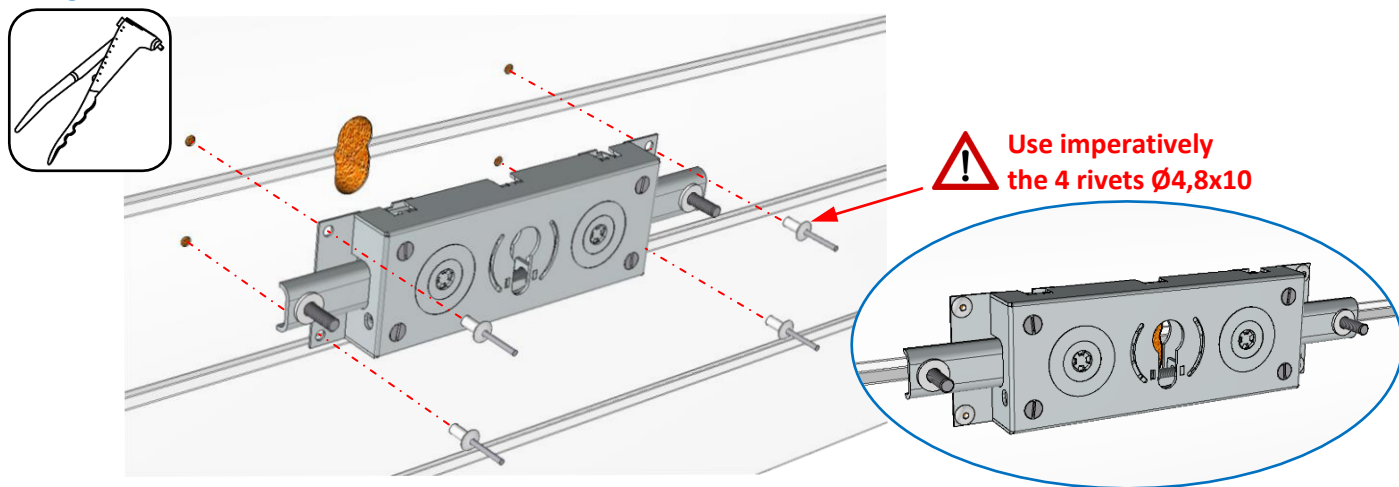


Mounting of the lock (optional on motorised and manual doors)

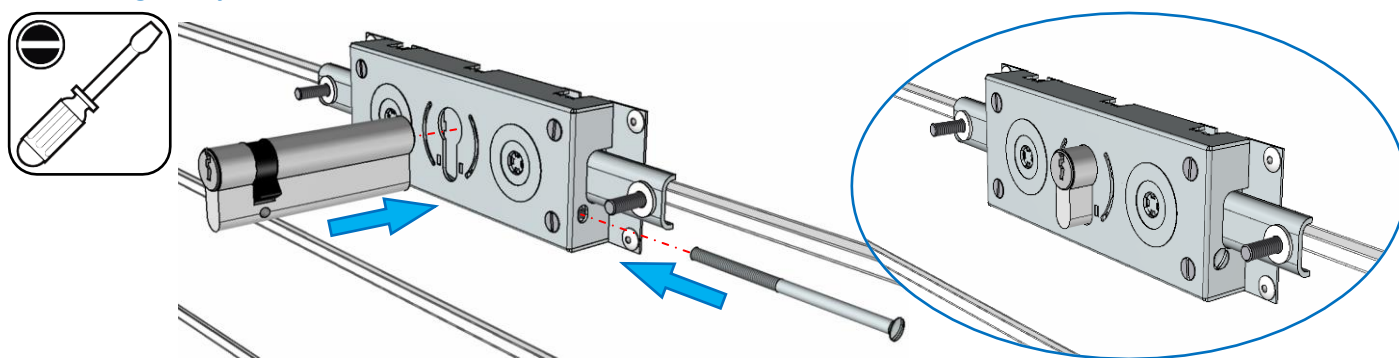
Prepare the lock :



Fixing the lock :



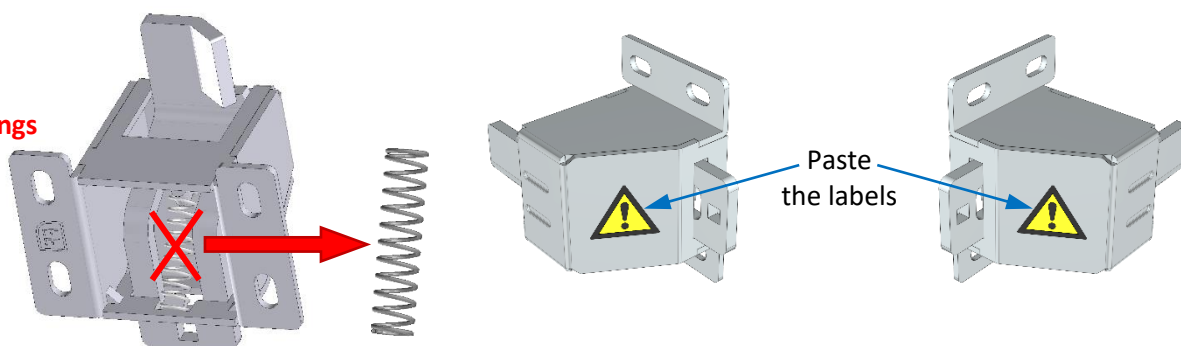
Assembling the cylinder :



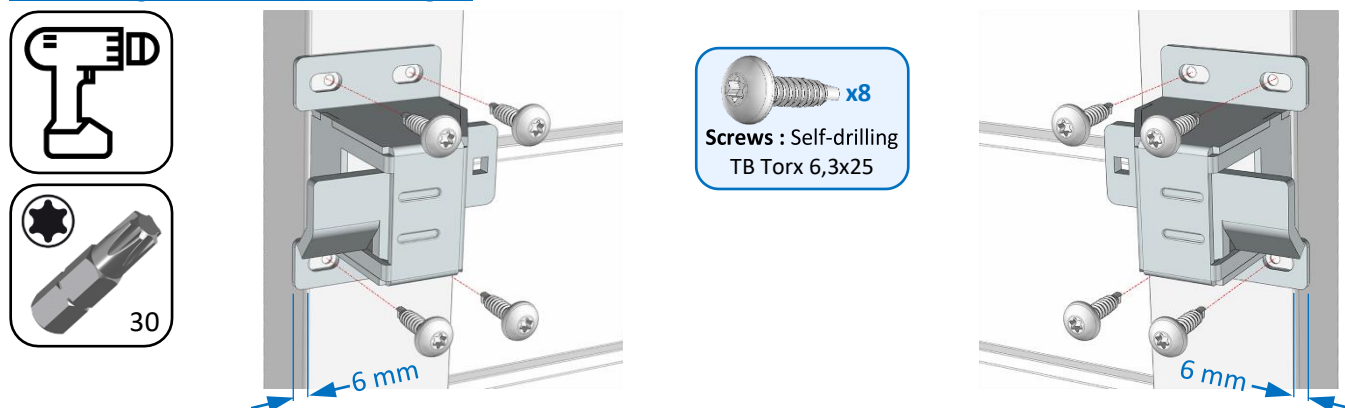
Preparing the latches (left and right) :

IMPORTANT

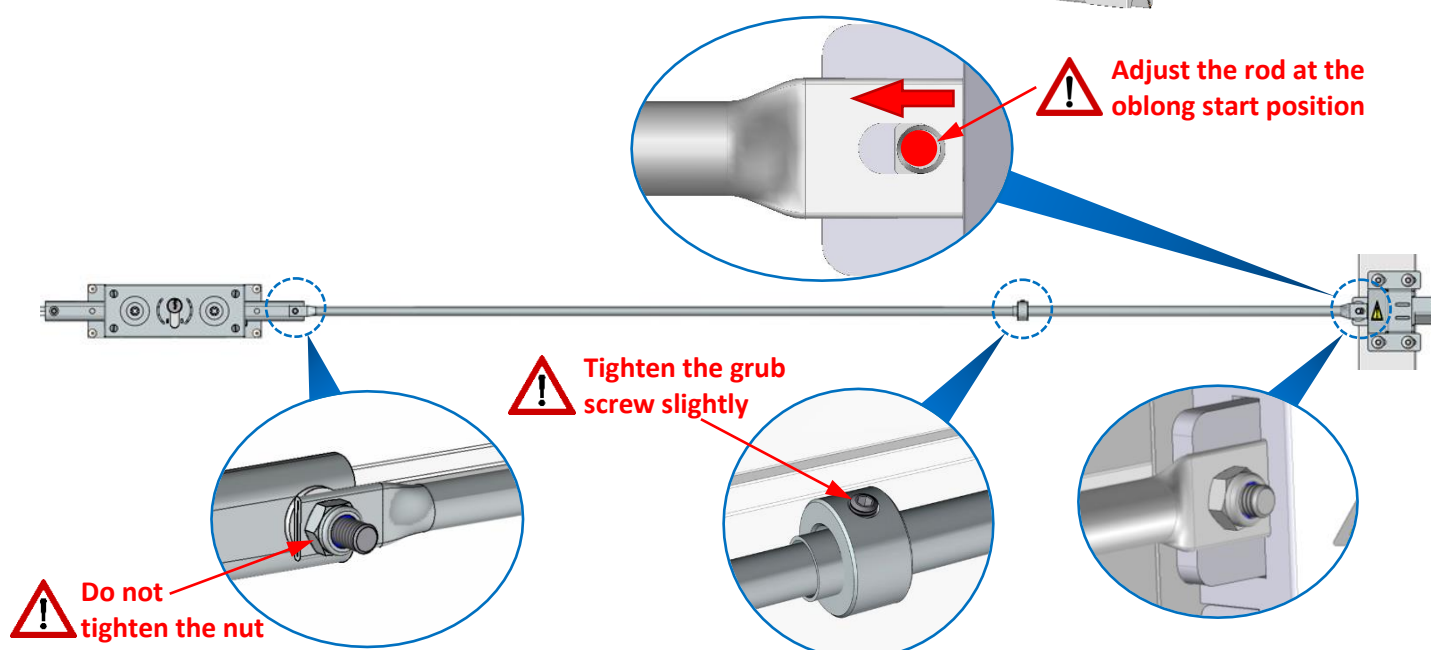
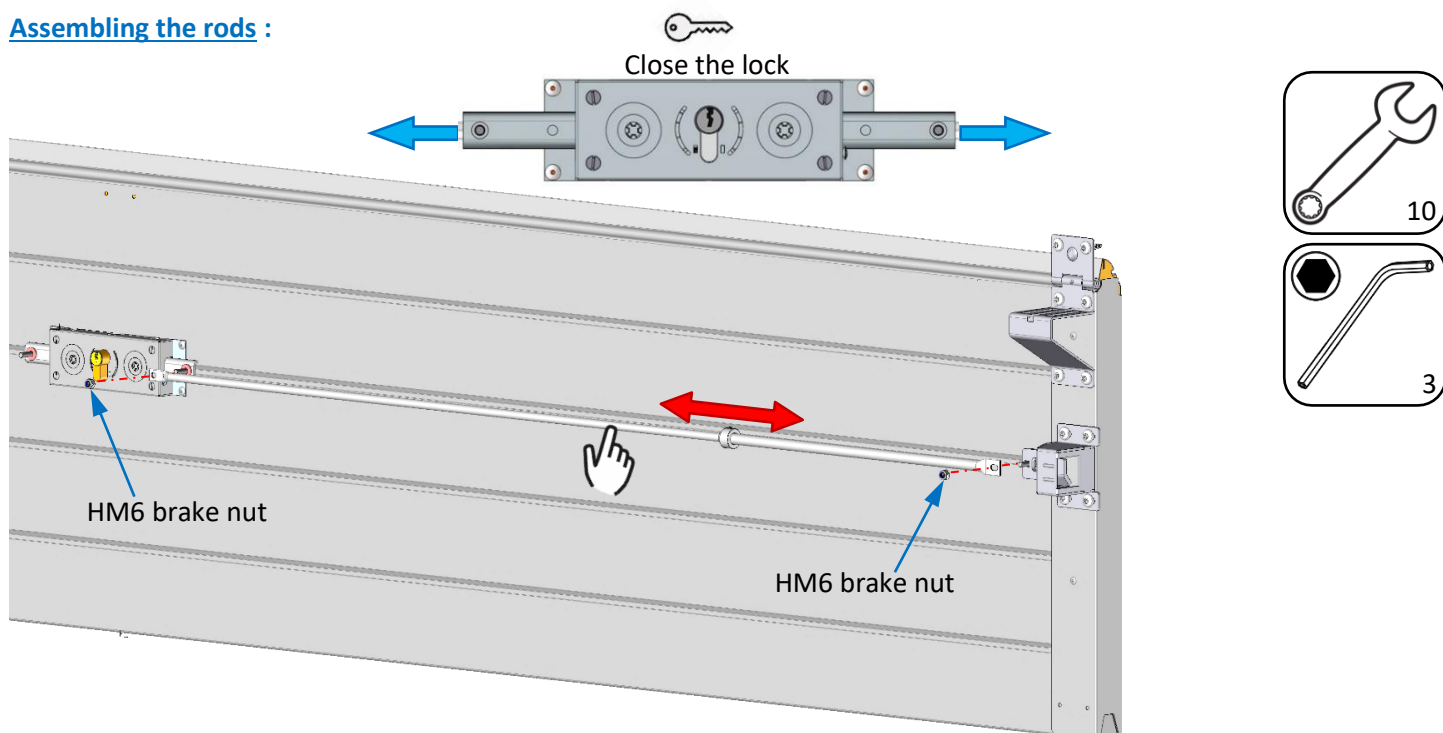
Remove the springs from the left and right bolts



Assembling the latches (left and right) :

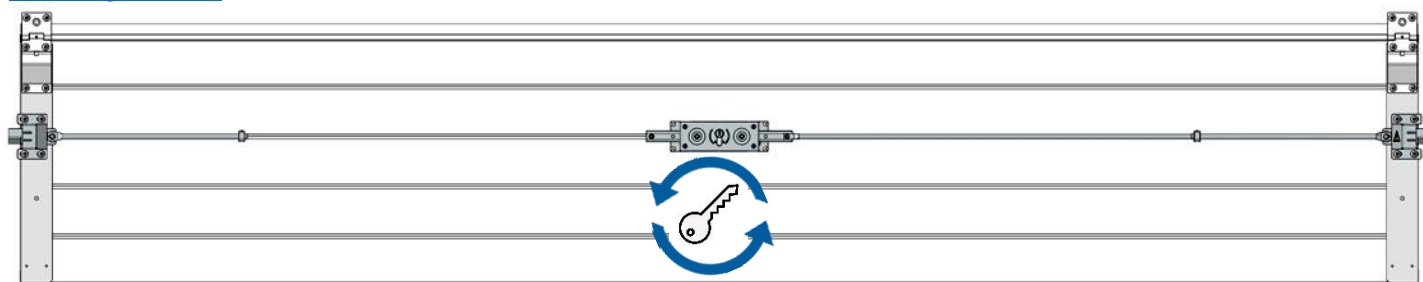


Assembling the rods :



Repeat the procedure for the second rod.

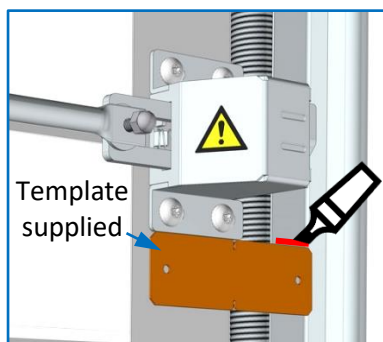
Checking the lock :



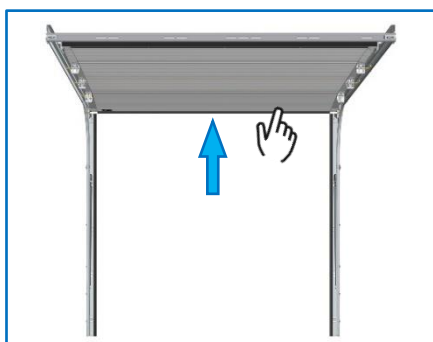
If necessary, return to the « **Assembling the rods** » chapter.

Positioning the strike plates :

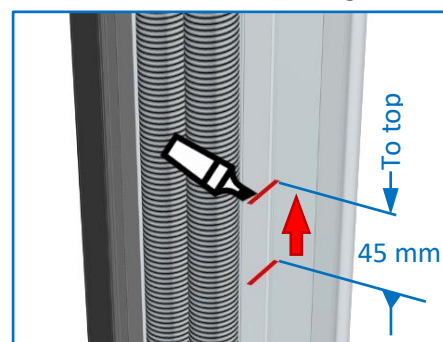
1- Mark out (on the 2 latches)



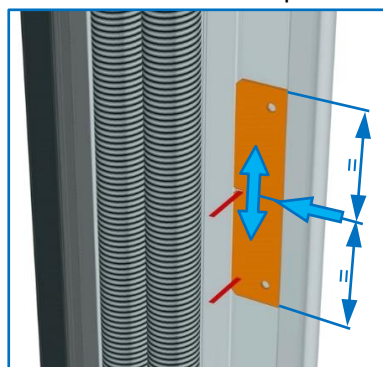
2- Open the door



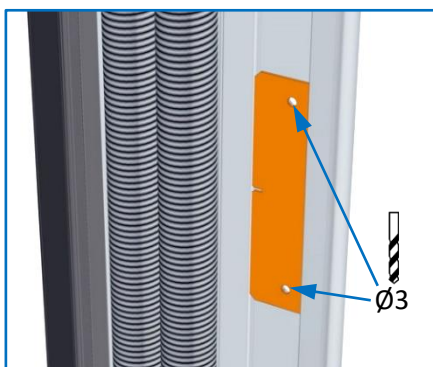
3- Offset the marking



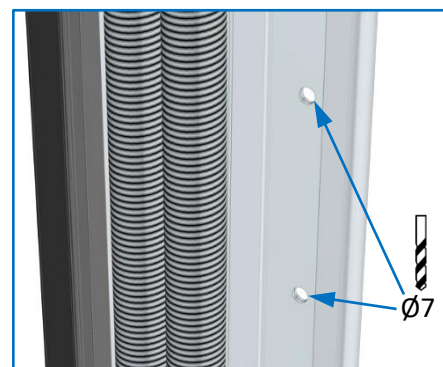
4- Position the template



5- Mark out the drill holes



6- Drill the holes



Fixing the strike plates :

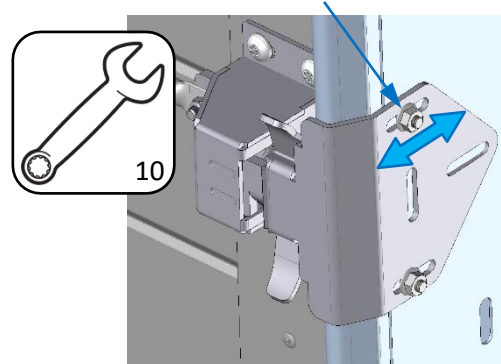


Close the door



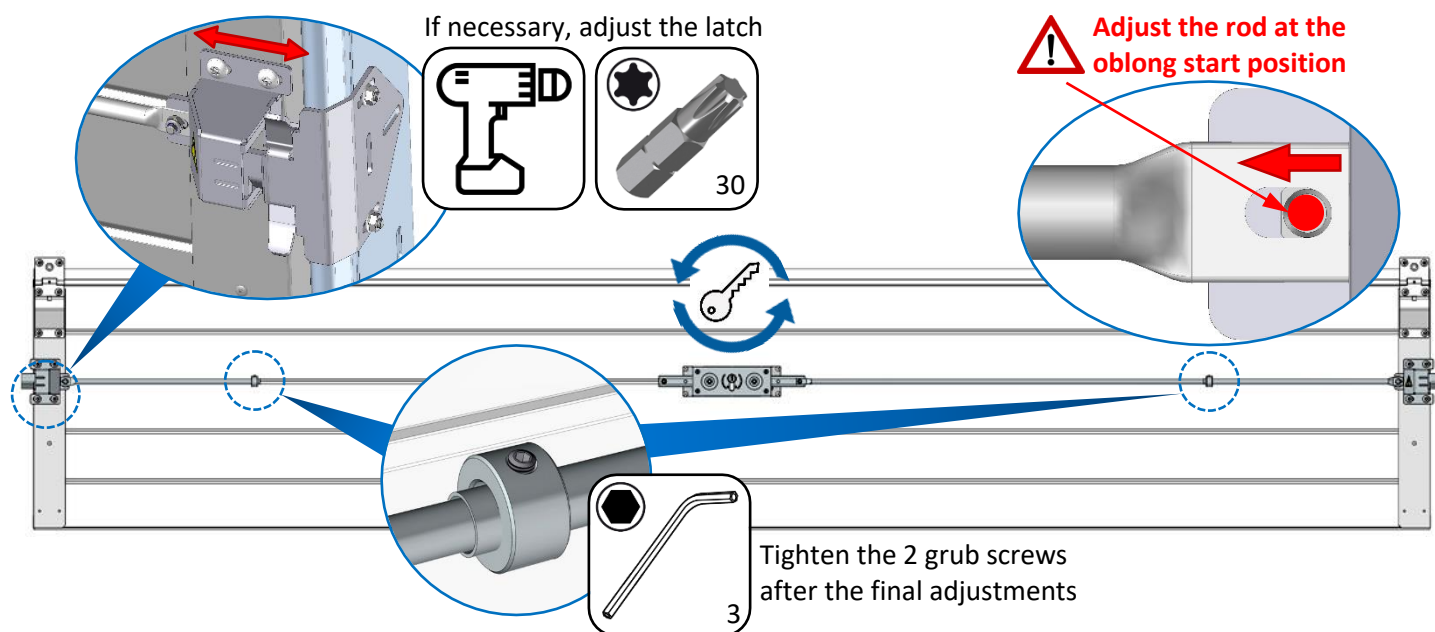
Close the lock

Adjust the strike plates
Tighten the nuts after adjusting

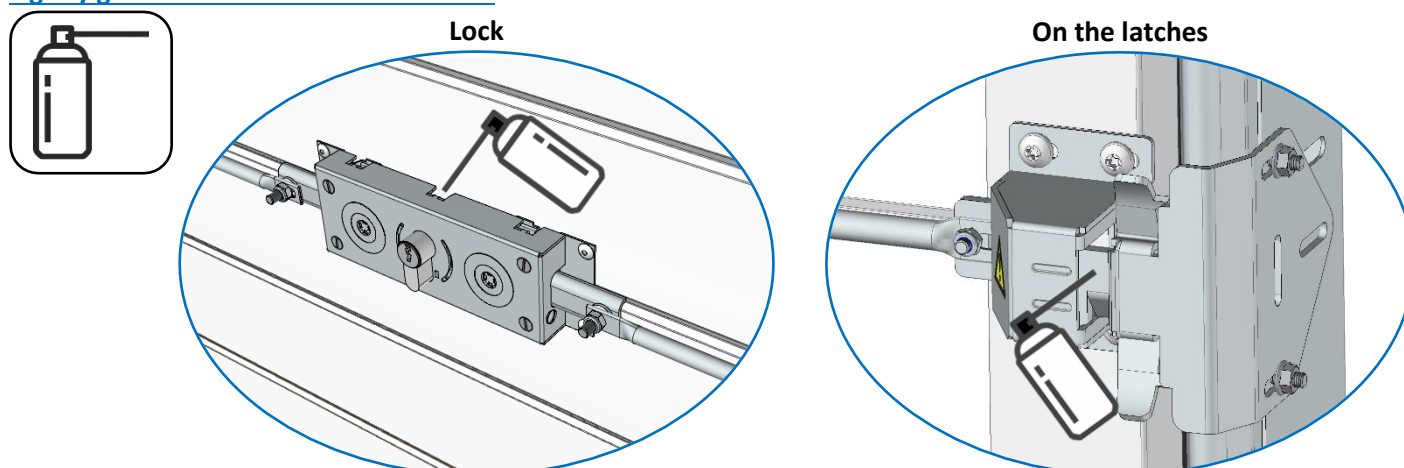


Allow some play between the strike plate and the latch

Checking the lock :



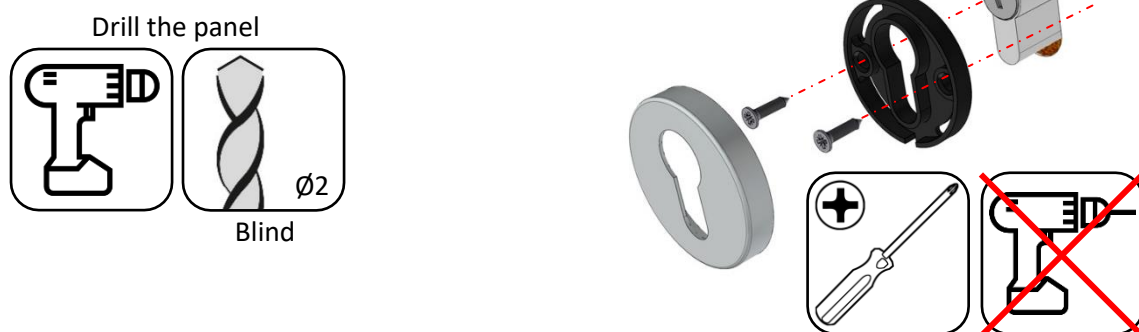
Lightly grease the lock and the 2 latches :



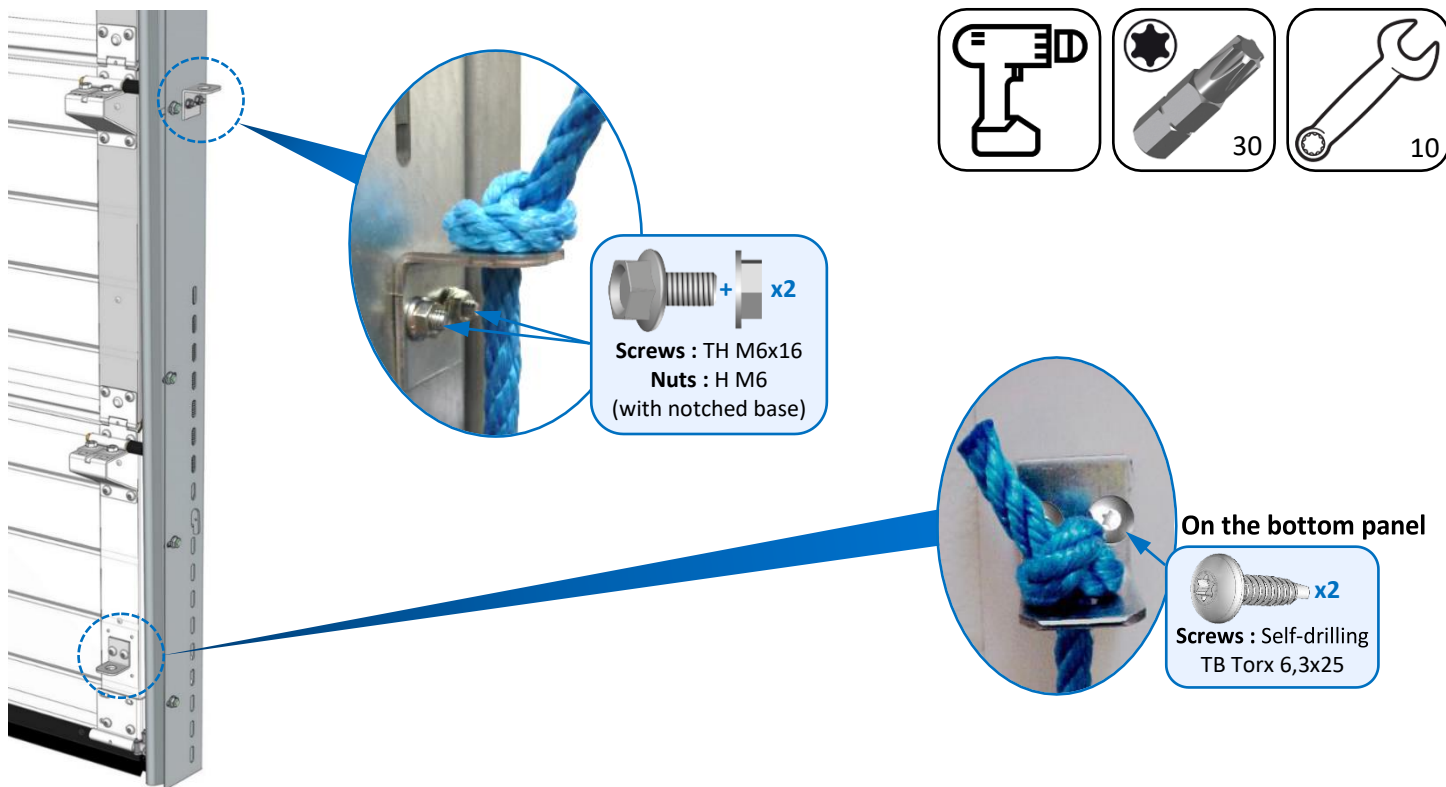
IMPORTANT :

If you feel a rough spot, check the installation of the latches, rods and strike plates.

Fixing the cover plate :



Installing the pull cord (if manual door)



Installation of opening stop (if manual door)

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

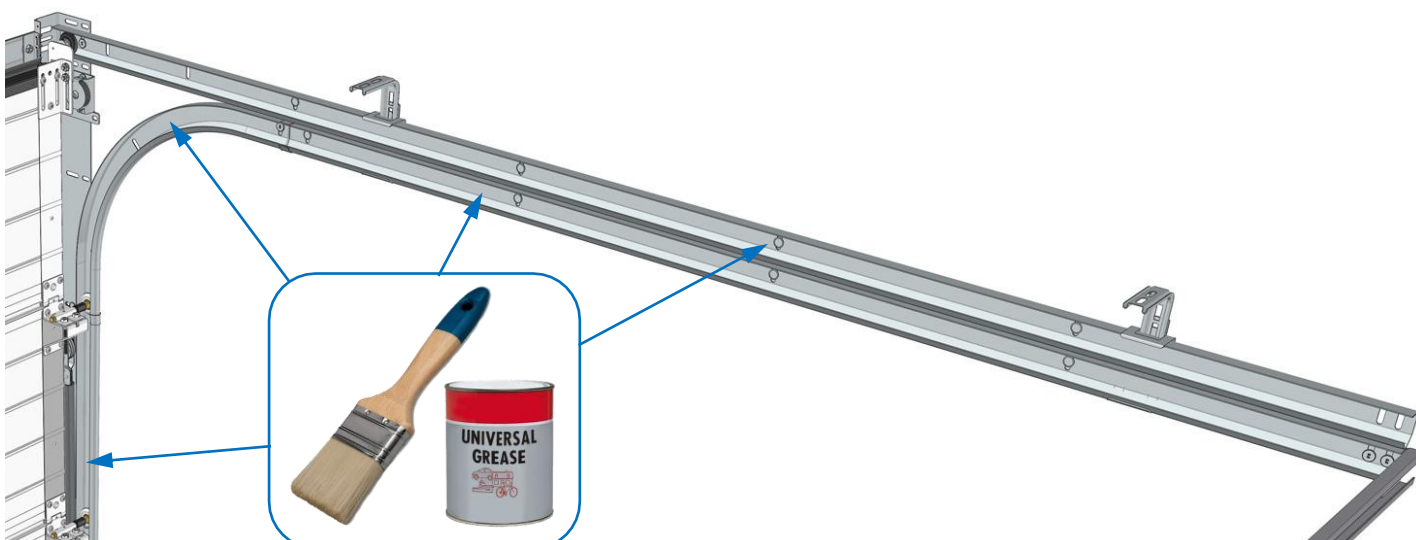
Weather seal (optional)



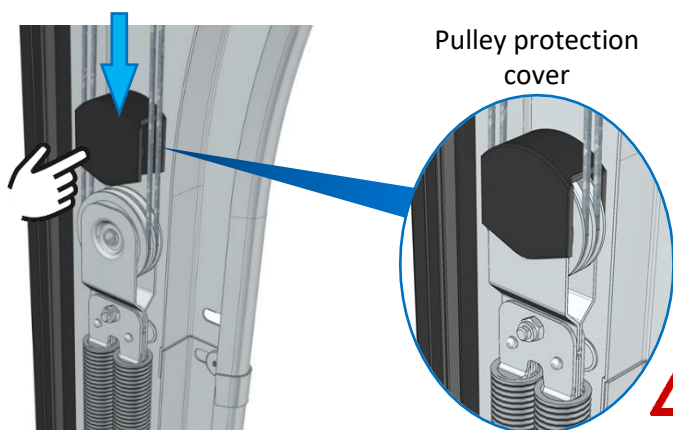
Weather seal section to be glued to the floor between the rails.

Refer to manual : Weather seal.

Greasing the bottom of the rails



Mounting of spring pulley covers



Pulley protection cover

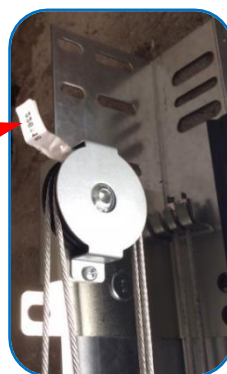


Pulley covers are not supplied, if the rails are equipped with the protection cover option.

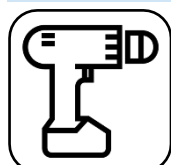
Cable labels



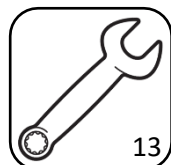
Remove the cable labels



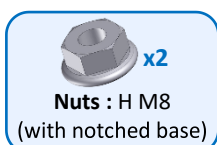
Fixing the « SOMMER » operator to the back bar



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13



Nuts : H M8

(with notched base)

2 spacers

2 screws

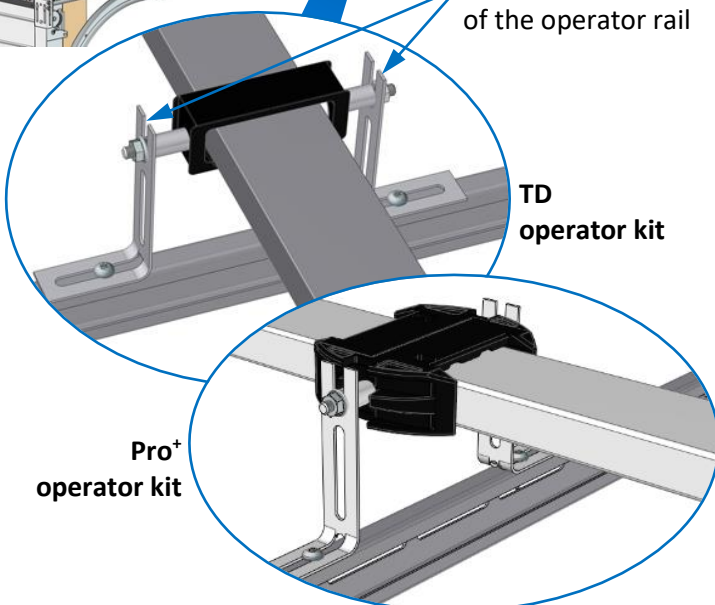
TRCC M8x50



Screws : Self-drilling
TB Torx 6,3x25



Cut the hangers
of the operator rail



TD
operator kit

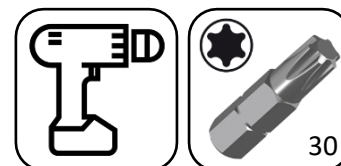
Pro+
operator kit



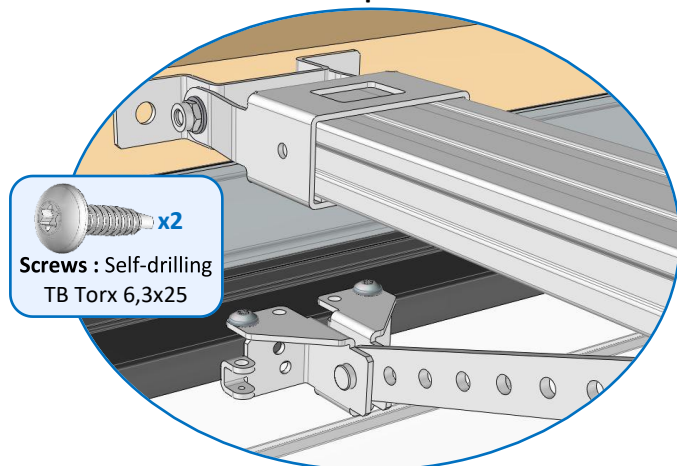
This fastening kit is compatible exclusively with all « SOMMER » operators.

Fixing the « FAAC or CAMÉ » operators on the panel

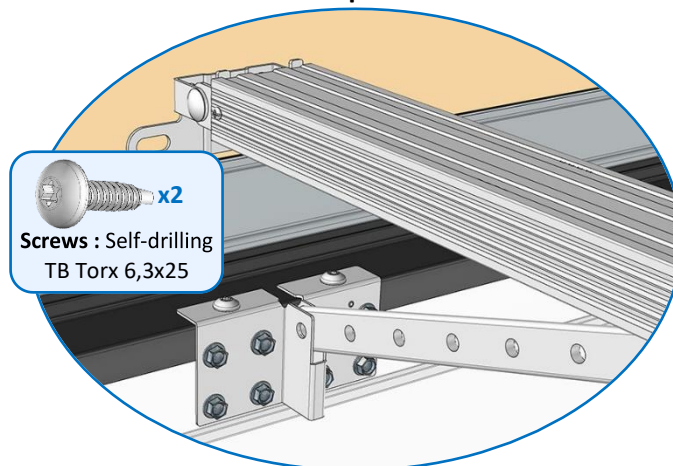
Securing the attachment
(screws supplied in repair kit)



FAAC operator



CAMÉ operator



FAAC operator (ref. DOLPHIN)

Min. OH	100 mm
Max. OH	720 mm
Opening	3380 mm

CAMÉ operator (ref. K01MV-005)

Min. OH	125 mm
Max. OH	600 mm
Opening	3230 mm

CAMÉ operator (ref. V6000)

Min. OH	125 mm
Max. OH	600 mm
Opening	3175 mm