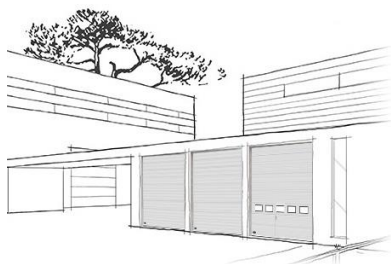


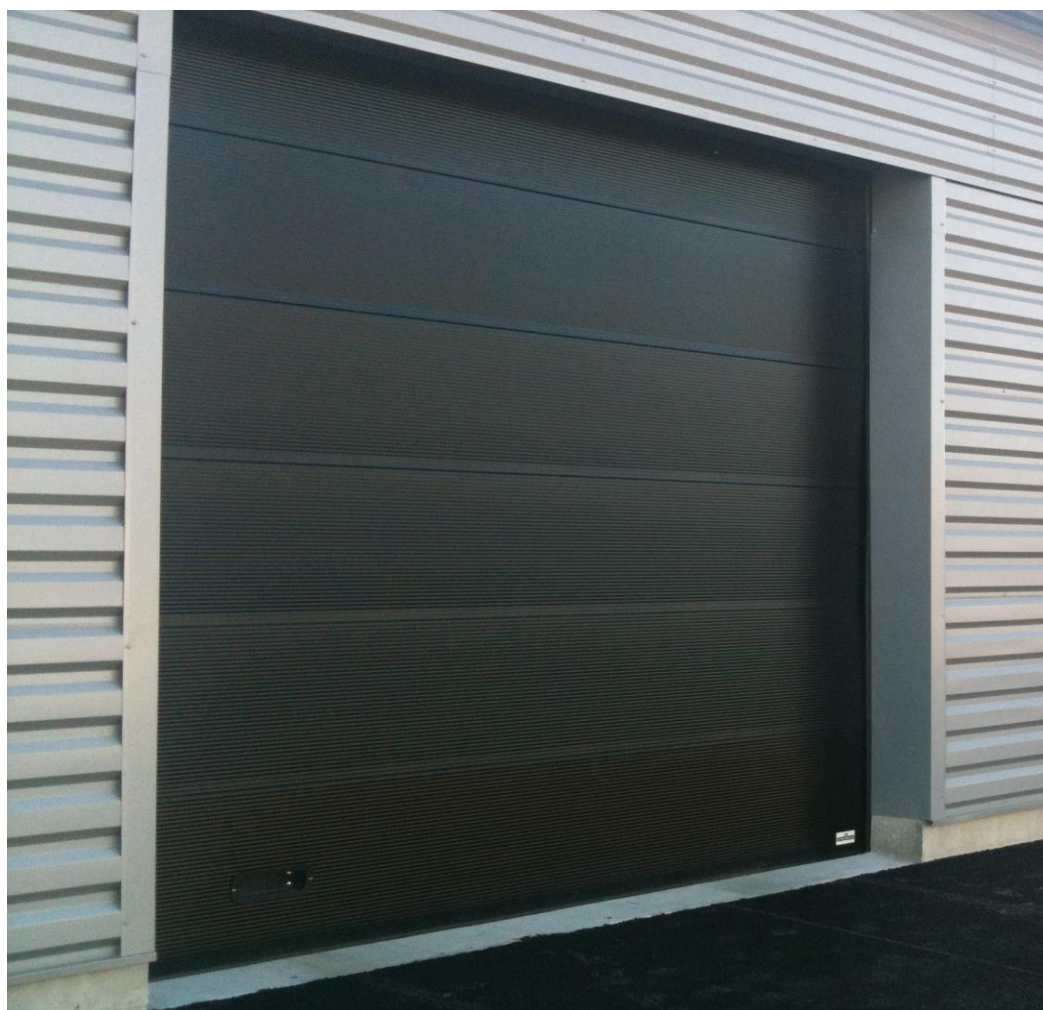
Manual No. 7004

INSTALLATION

Sectional door Industry



Vertical lift



(Document reserved for installers)

Contents

Installation instruction	3
Before installation	4
Required equipment.....	4
Control the levels.....	5
OP'Drive operator : Mount the emergency maneuver	5
Assembly the top of the vertical rails.....	6
Clip the joints and mount the stops on the vertical rails	6
Position the vertical rails	7
Fix the vertical rails and mount the strike.....	8
Prepare the compensation axis.....	9
Axis in 1 part	9
Axis in 2 parts.....	9
Mount the balance line	10
Prepare the panels	11
Mount the low panel.....	12
Mount the intermediate panels	13
Mount the high panel.....	14
Install and tension the cables.....	15
Principle : Determine the number of turns	16
Tension the springs.....	16
Mount the rod	17
Control the plays of rails.....	18
Adjust the roller guides	18
Adjust the horizontal level	18
adjust the stops	19
Option : Lock or Latch.....	20
Manual door : Mount the pull-cord	20
Option : Electric drive	21
In case of wrong manual functioning	21

Installation instruction



CAUTION !



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

- Before beginning the assembly, read this manual carefully.
- This closure must be installed by a professional technician.
- All the parts delivered are specifically sized for this product.
Adding and/or using other parts may be detrimental to safety and may affect the product's warranty.
- Any modification or improvement of this closure must be compliant with the standard EN 13241 + A2.
In this case, a " Modification/Transformation " file must be created by the installer as per the standard EN 12635 annex C.
- Considerable force is exerted by the torsion springs.
Carry out work in accordance with the safety instructions.
Use the appropriate tools to install these products.
Ensure that all work is carried out on a stable floor.
- Ensure that the assembly area is adequately lit, clear, clean and clearly marked out.
- Ensure that no other people are present at the assembly site apart from the installers.
Non-authorized persons like 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 EN 13241 + A2 must be met and verified, if necessary.

Max. tightening torque :

Assembly screws = 10 Nm

Shutter mounting screws = 12 Nm

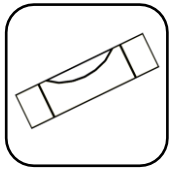
Min. working load per attachment point :

Compensating shaft = 300 daN

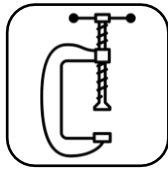
Rails = 40 daN

Before installation

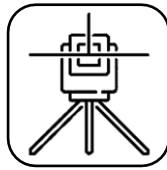
Required equipment



Spirit level



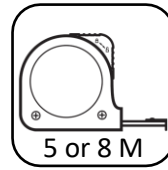
Clamp



Laser level



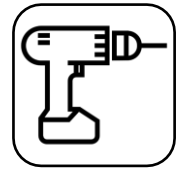
Plumb bob



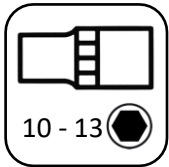
5 or 8 M
Tape measure



Utility knife



Electric screwdriver



10 - 13
Socket



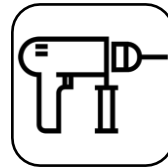
Cruciform bit



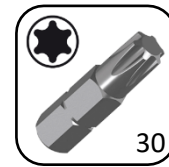
Flat wrench



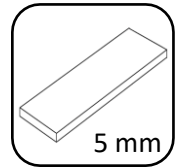
Hexagonal bit



Perforator



30
Torx bit



5 mm
Wood shims



Phillips screwdriver



Flat screwdriver



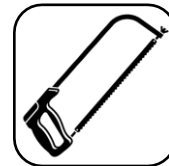
Pencil



Grinder



Combination pliers



Hacksaw



Locking pliers



Steel drill $\varnothing 4,2$
length. max.30 mm



Concrete drills



Flat tip



Trestles



Silicone sealant



Ladders



Lubricant



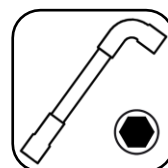
Brush



Pot of grease



Grease spray



Pipe wrenches
10 and 13 mm



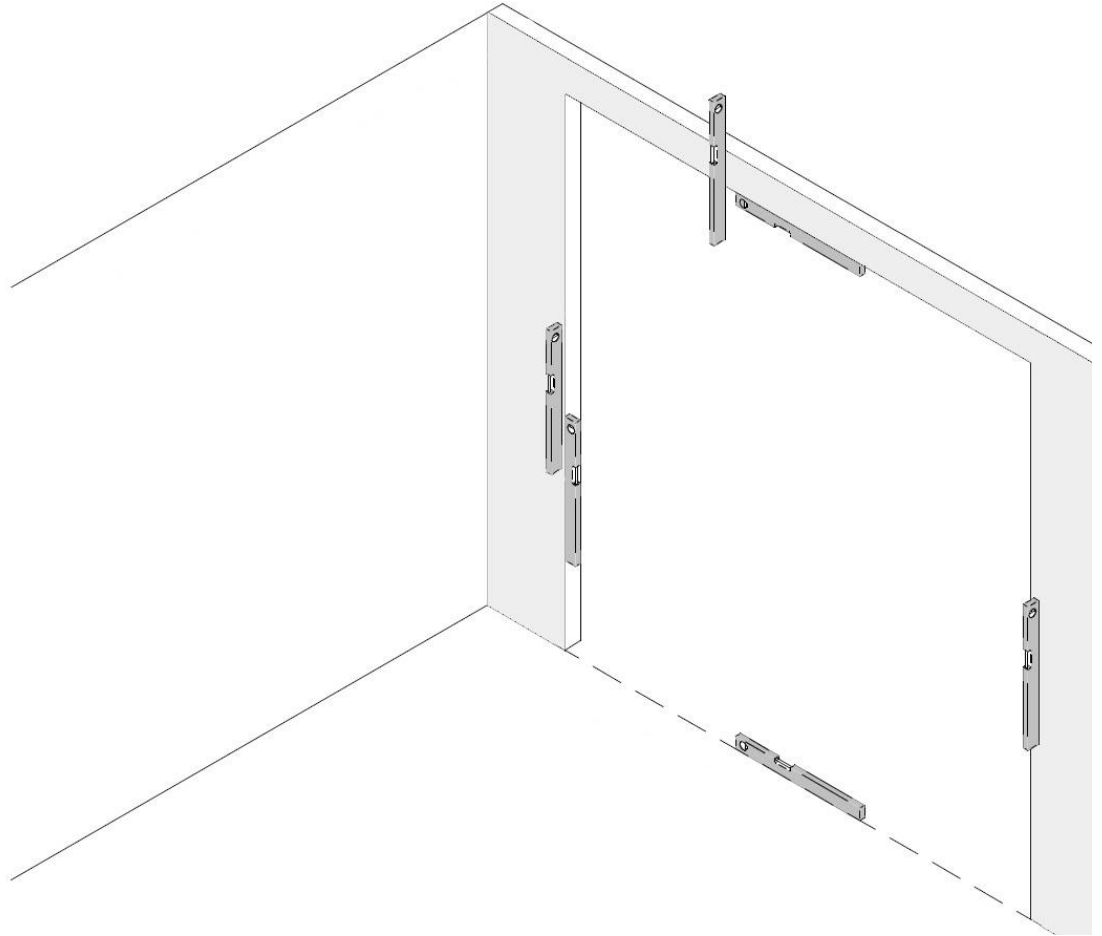
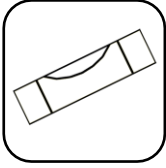
Hammer



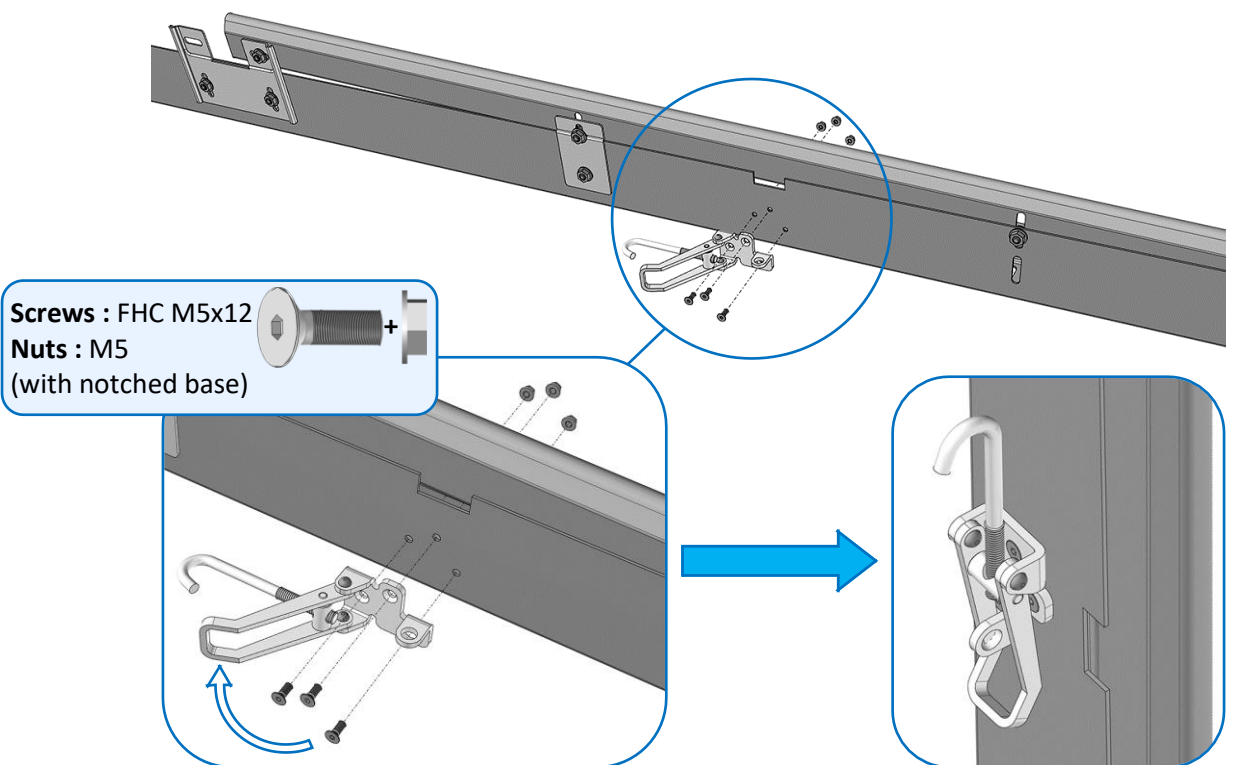
Rope

Ankles
with screws

Control the levels



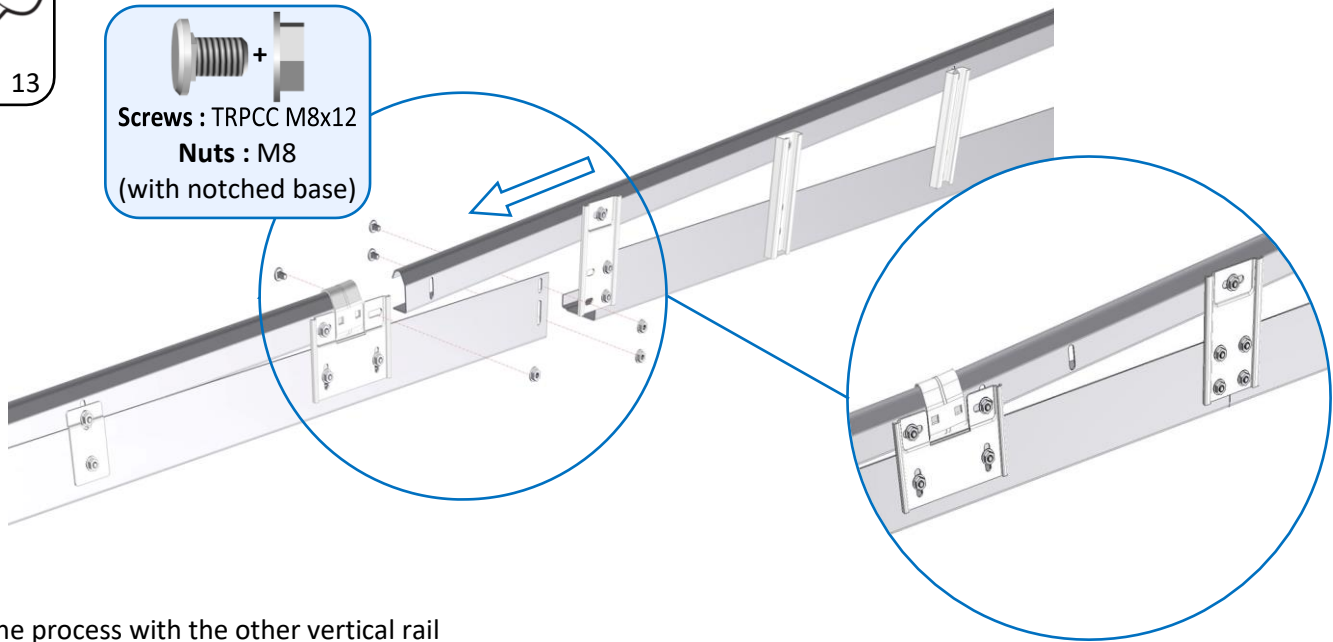
OP'Drive operator : Mount the emergency maneuver



Assembly the top of the vertical rails



Screws : TRPCC M8x12
Nuts : M8
 (with notched base)

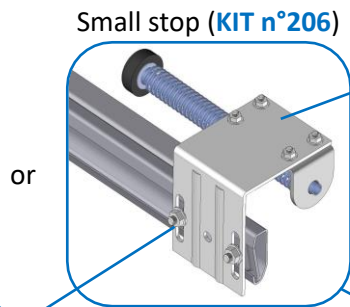


Repeat the process with the other vertical rail

Clip the joints and mount the stops on the vertical rails

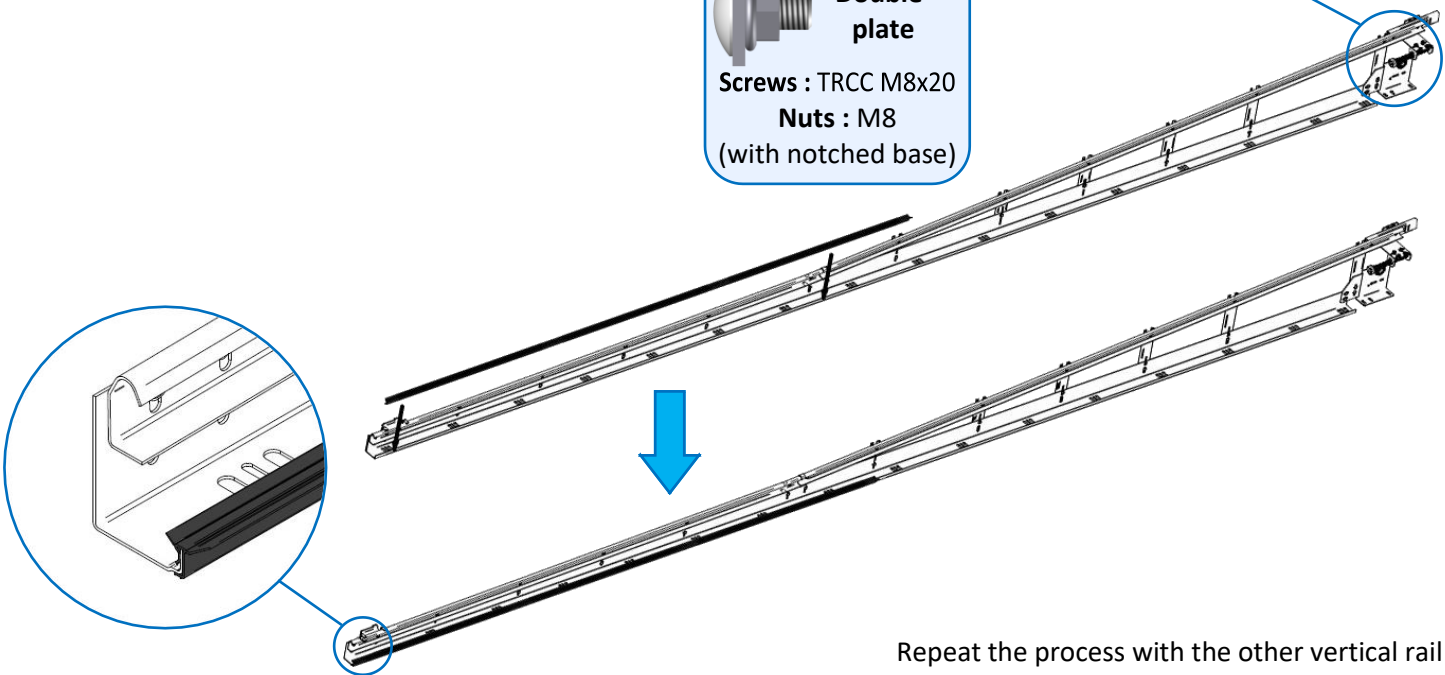


Screws : TRCC M8x25
Nuts : M8
 (with notched base)



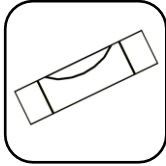
Screws : TRCC M6x16
Nuts : M6
 (with notched base)

Double plate
Screws : TRCC M8x20
Nuts : M8
 (with notched base)

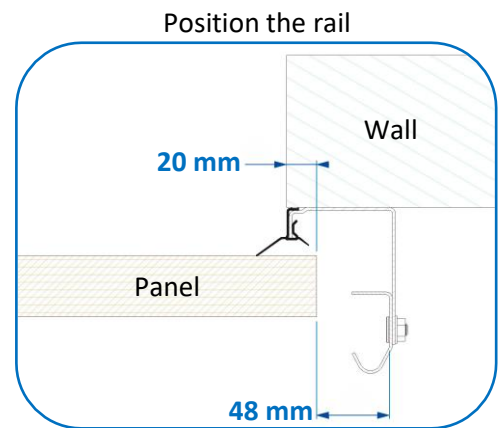
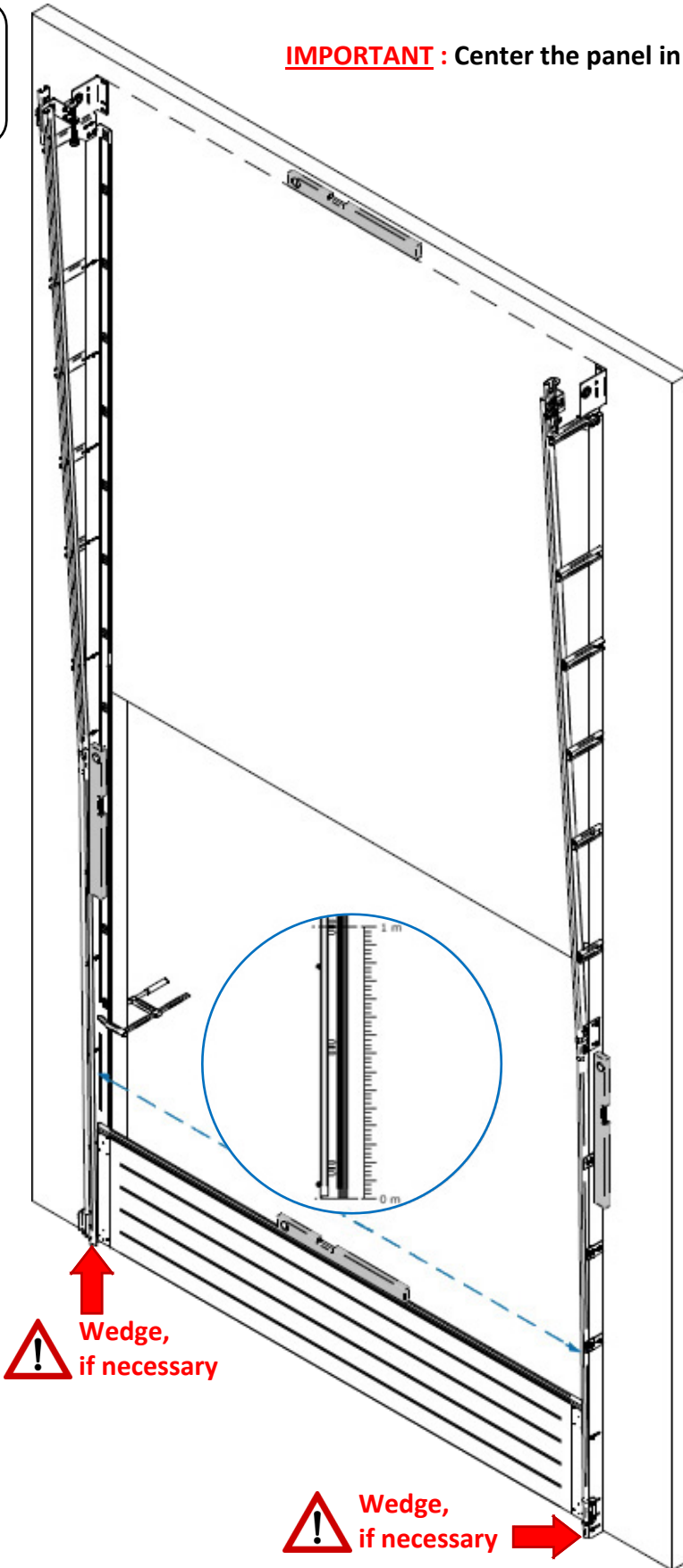


Repeat the process with the other vertical rail

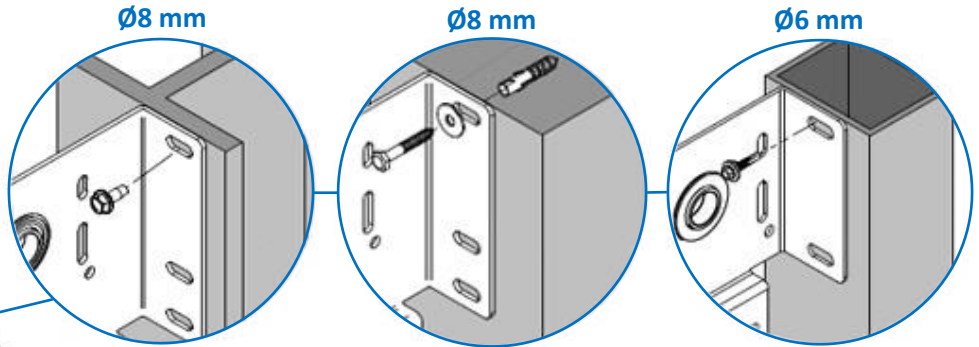
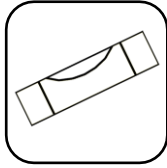
Position the vertical rails



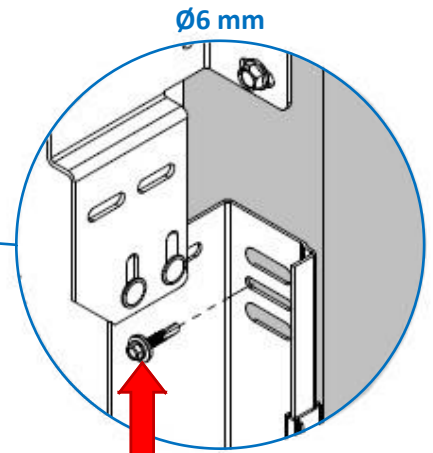
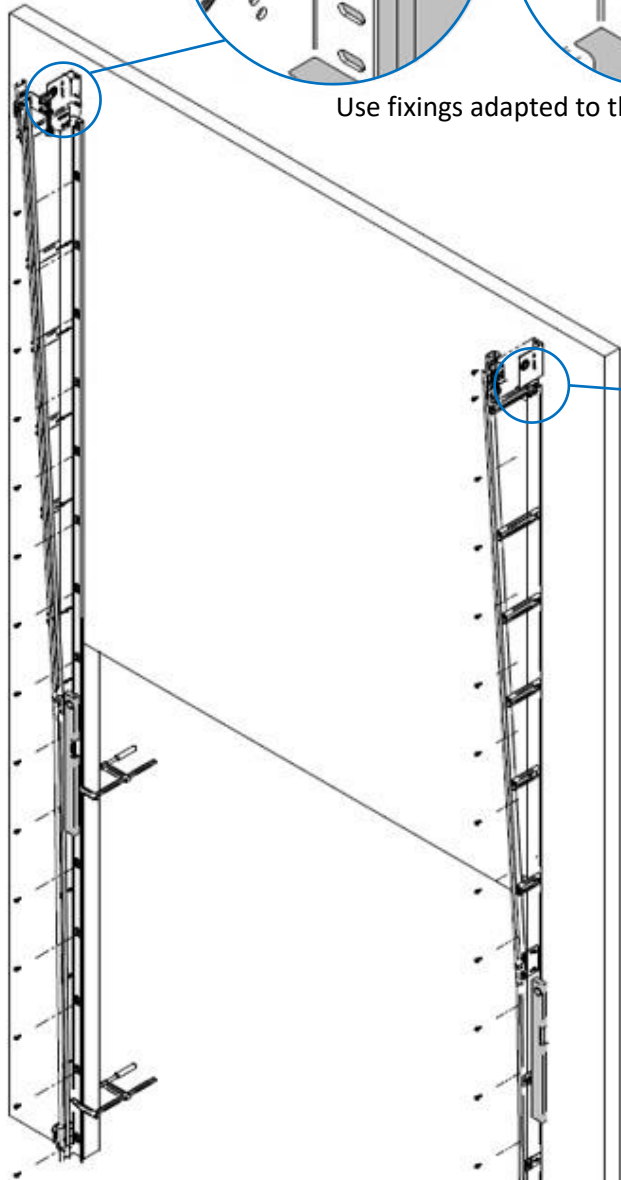
IMPORTANT : Center the panel in relation to the opening.



Fix the vertical rails and mount the strike

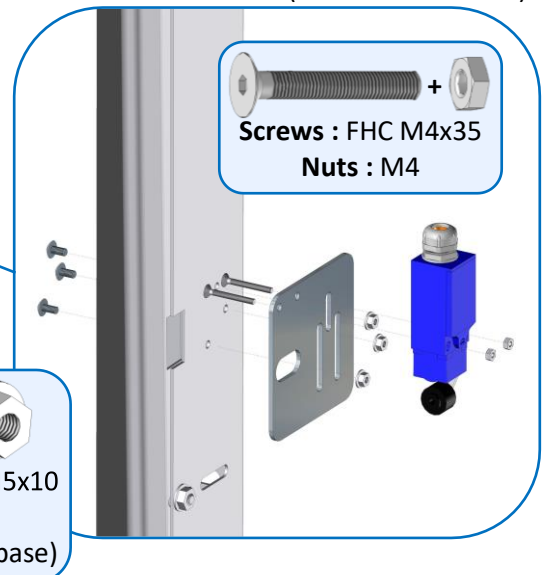


Use fixings adapted to the support (not supplied)



IMPORTANT :
To be fixed imperatively.

Striker + Microswitch (if industrial motor)



Prepare the compensation axis

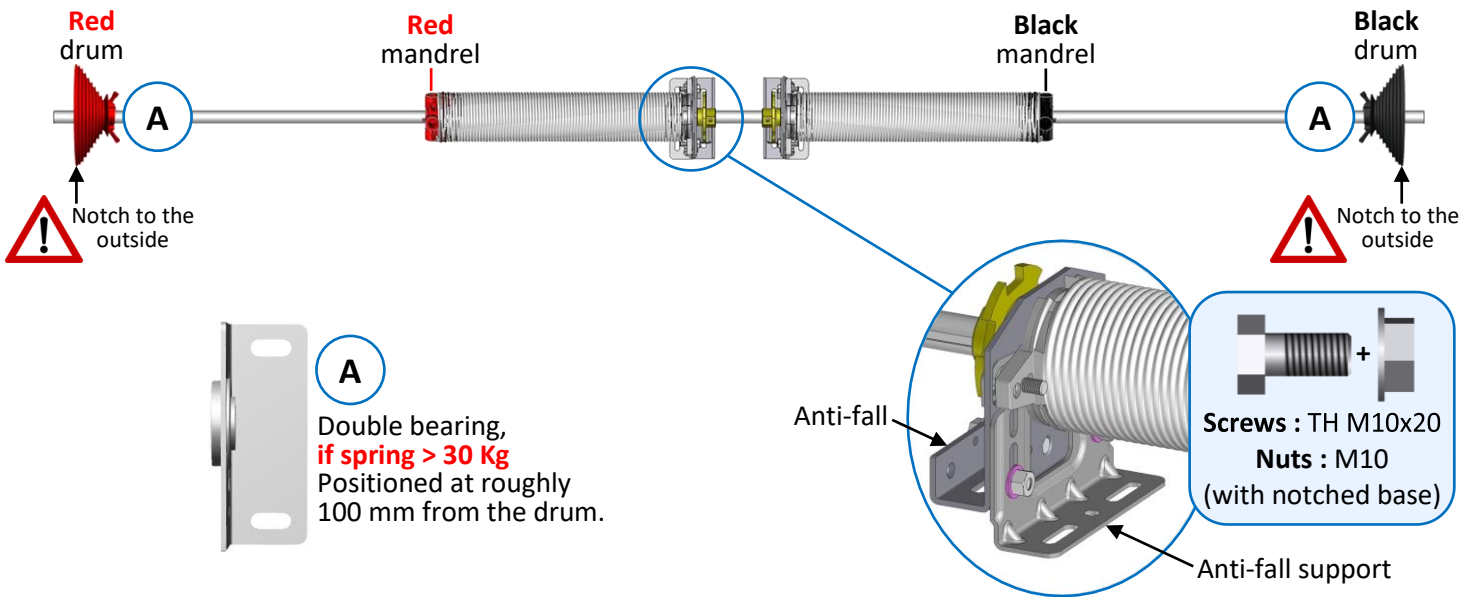


Drum in vertical lift

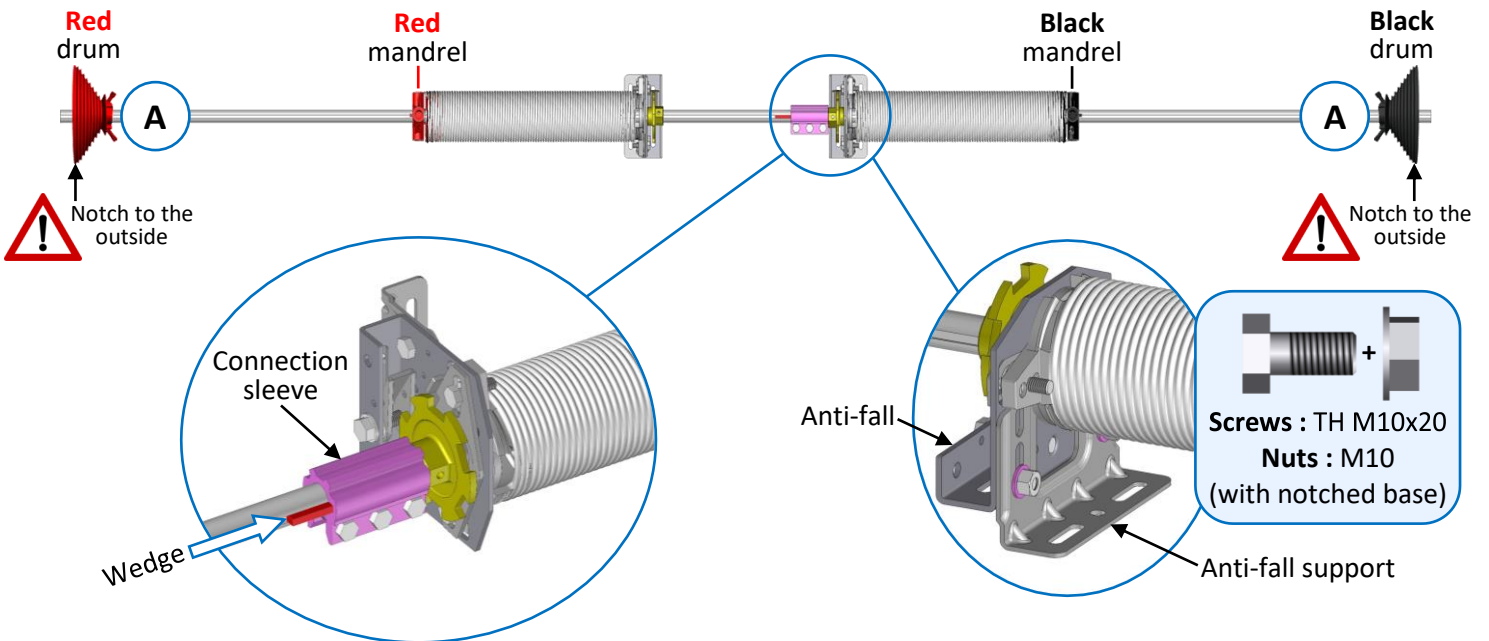
Axis in 1 part



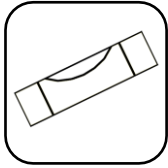
Note : If axis with a single spring, center him on the axis in respecting the same meaning, as per the mandrel color.



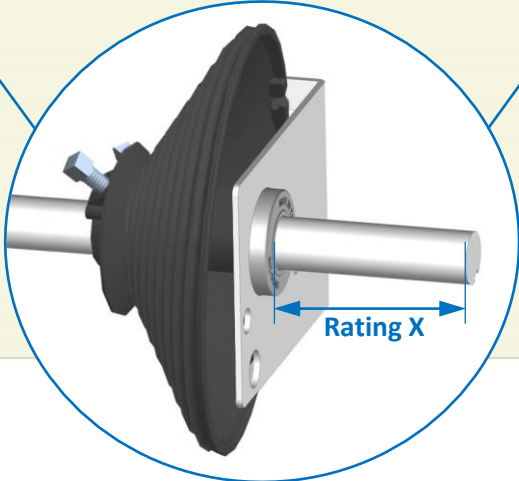
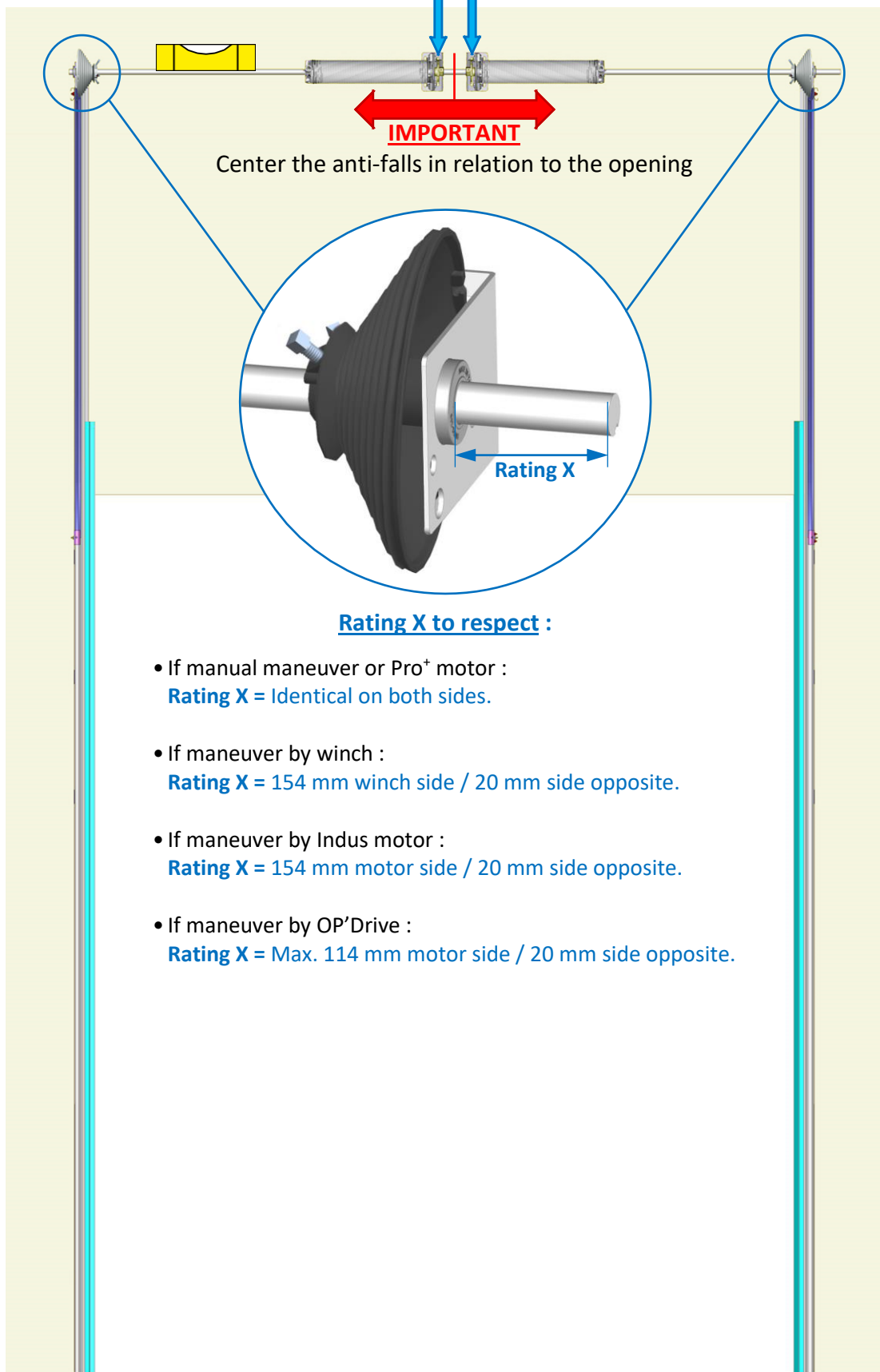
Axis in 2 parts



Mount the balance line



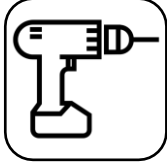
Use fixings adapted to the support (not supplied)



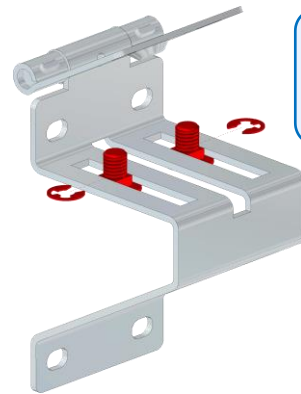
Rating X to respect :

- If manual maneuver or Pro⁺ motor :
Rating X = Identical on both sides.
- If maneuver by winch :
Rating X = 154 mm winch side / 20 mm side opposite.
- If maneuver by Indus motor :
Rating X = 154 mm motor side / 20 mm side opposite.
- If maneuver by OP'Drive :
Rating X = Max. 114 mm motor side / 20 mm side opposite.

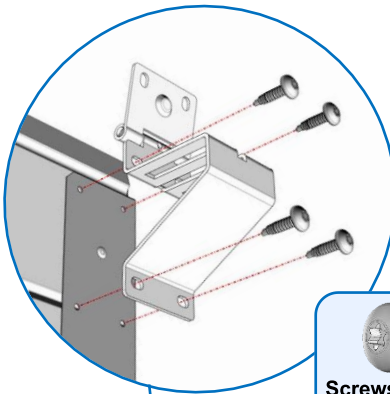
Prepare the panels



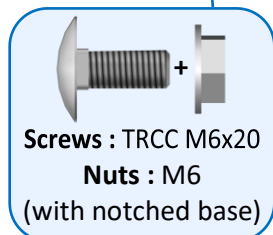
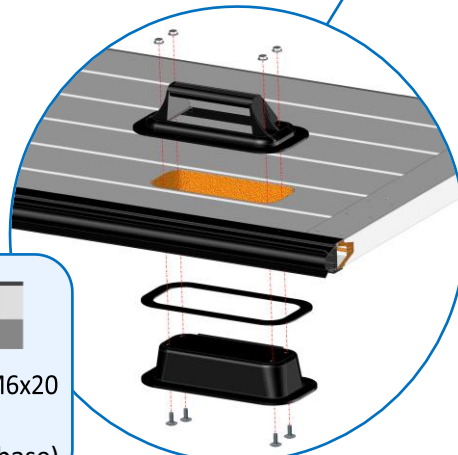
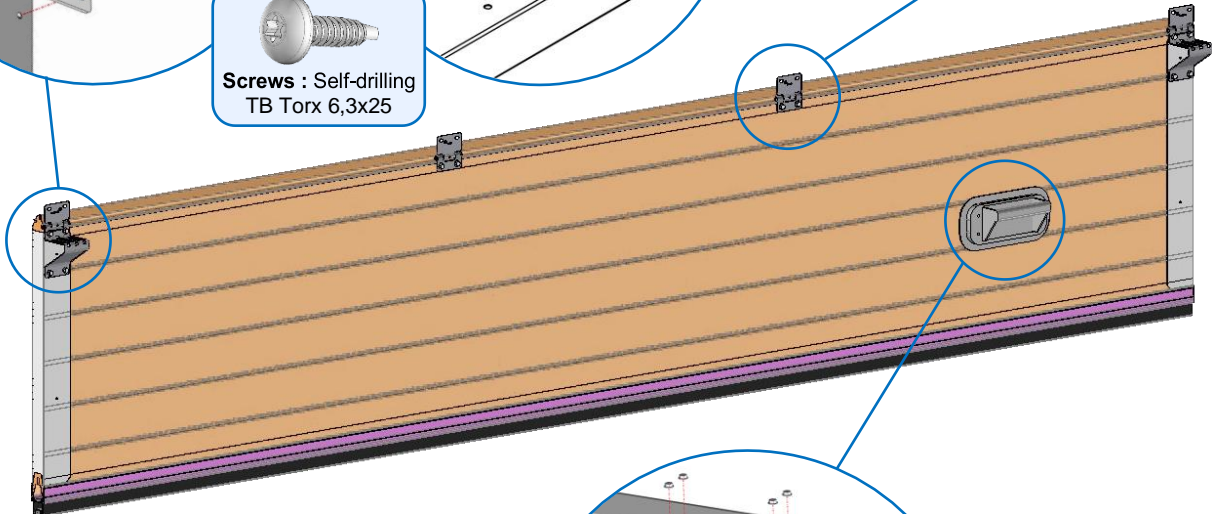
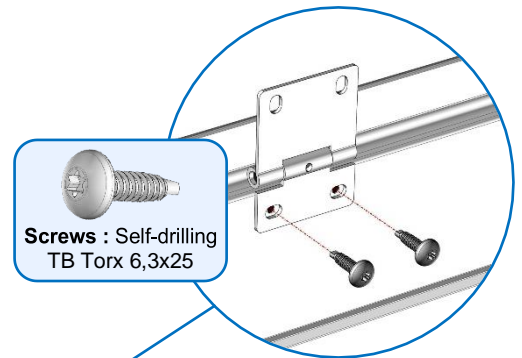
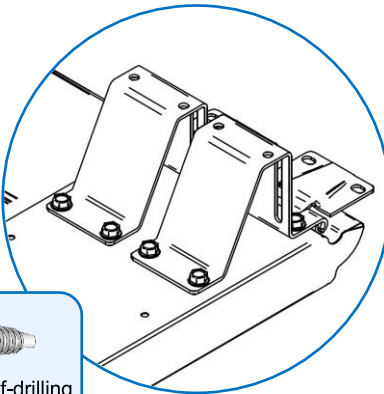
If glazed panel with stiffener :
Before fixing the lateral hinges to the panels, mount the circlips on the screws.



Double hinges
If door > to 5,000 mm

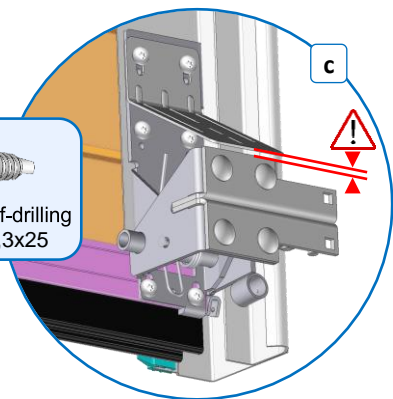
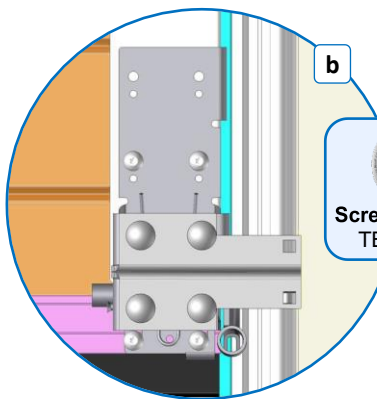
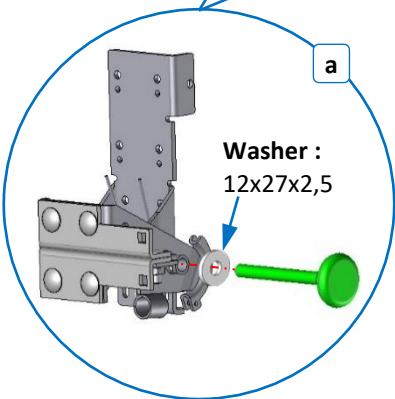
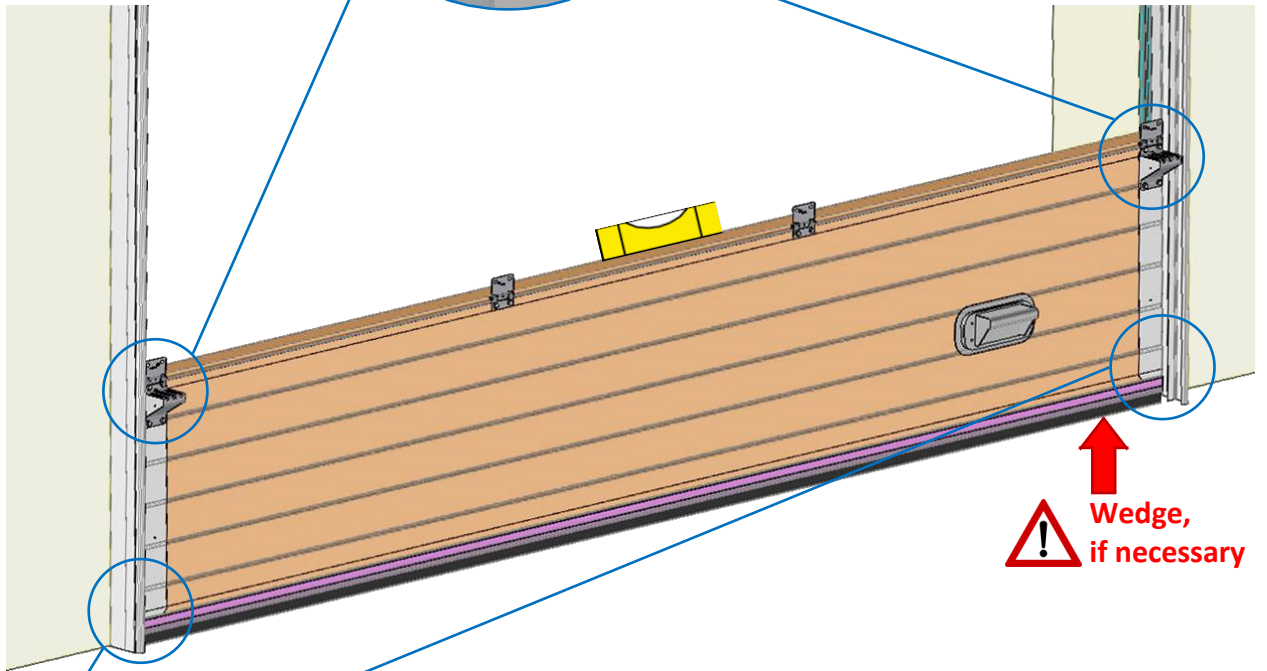
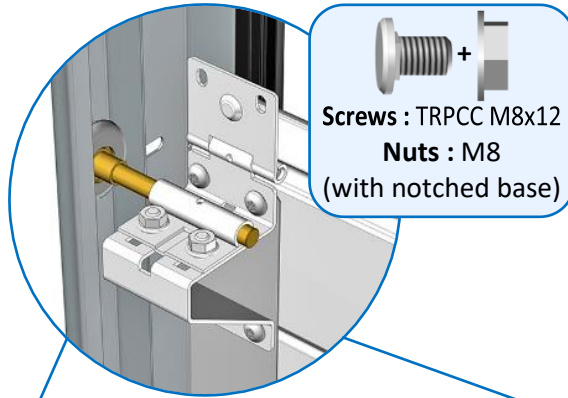
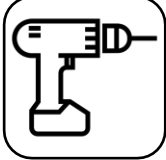
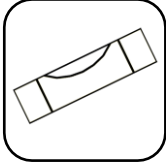


or

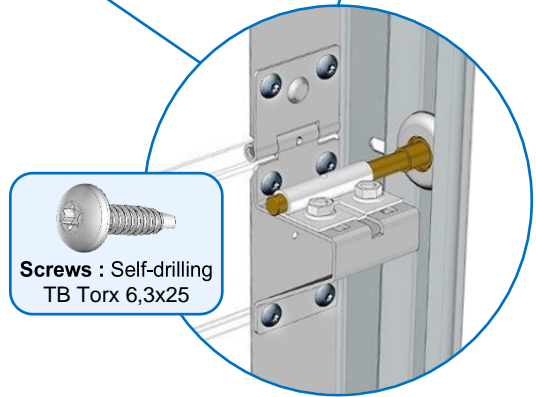
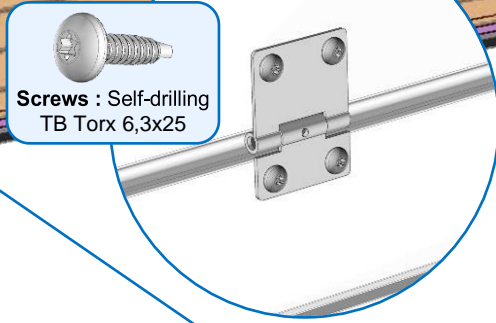
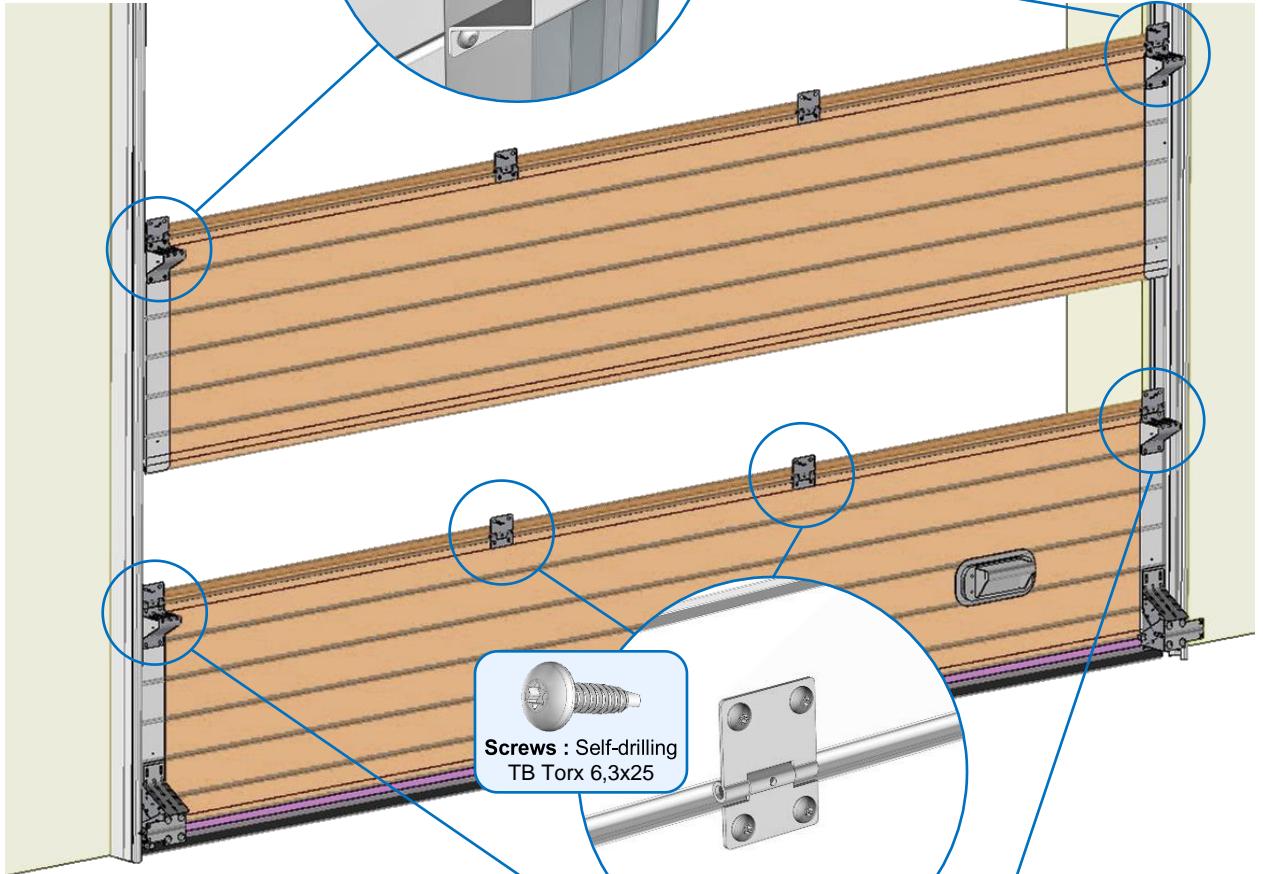
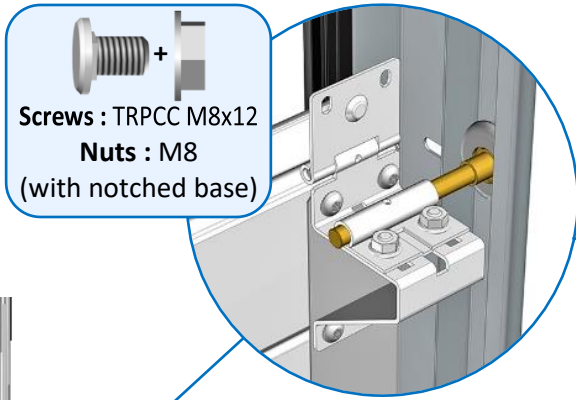
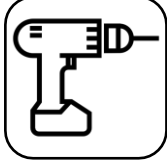


Grip foot rest

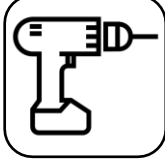
Mount the low panel



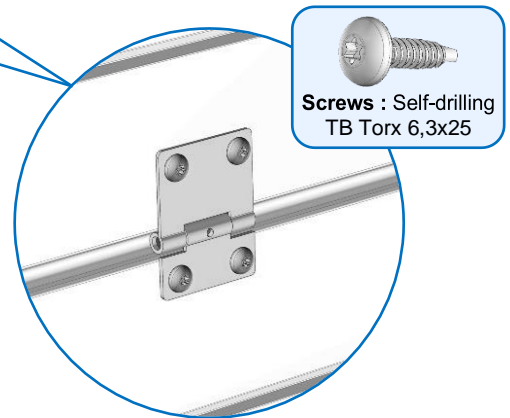
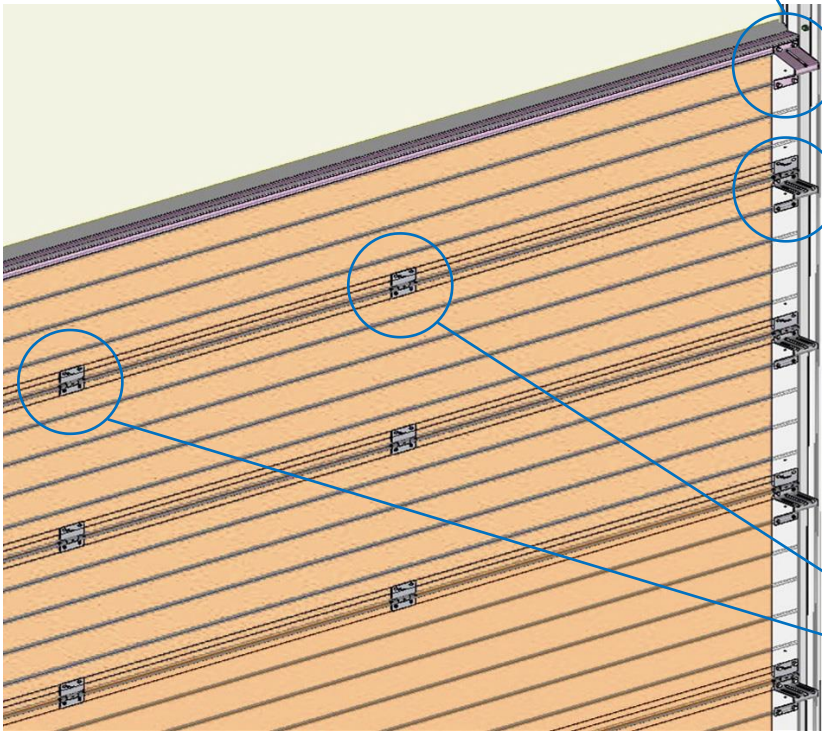
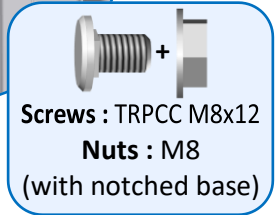
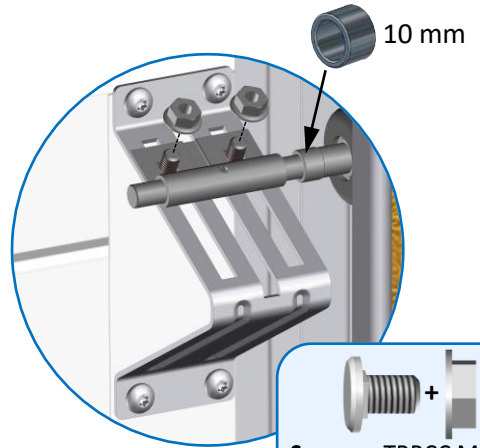
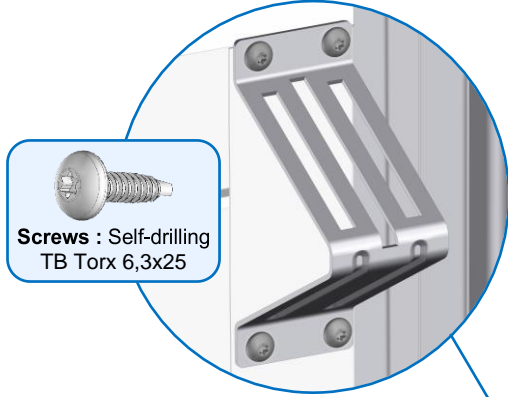
Mount the intermediate panels



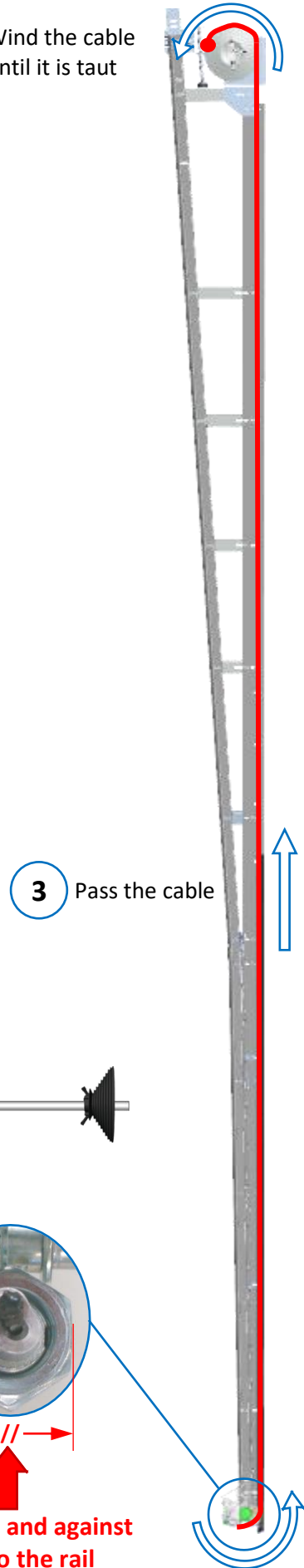
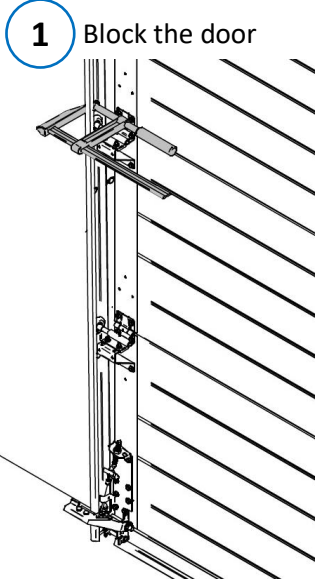
Mount the high panel



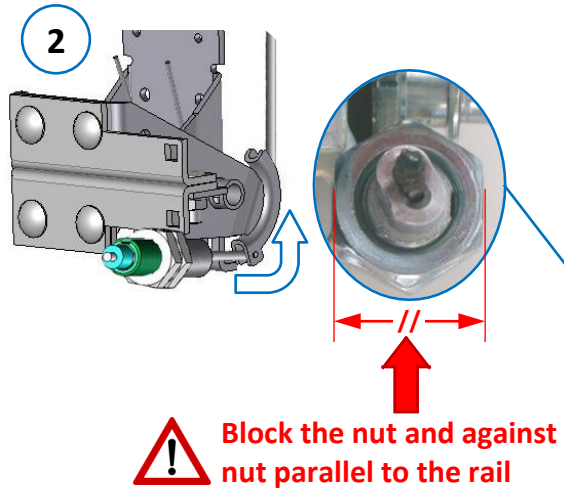
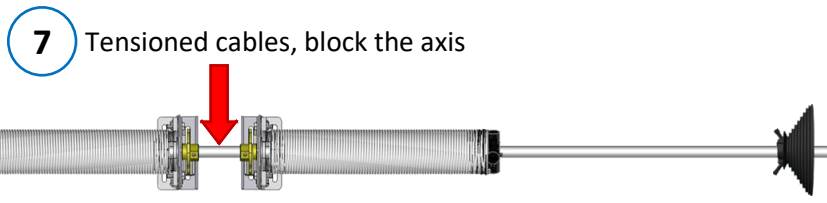
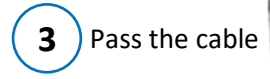
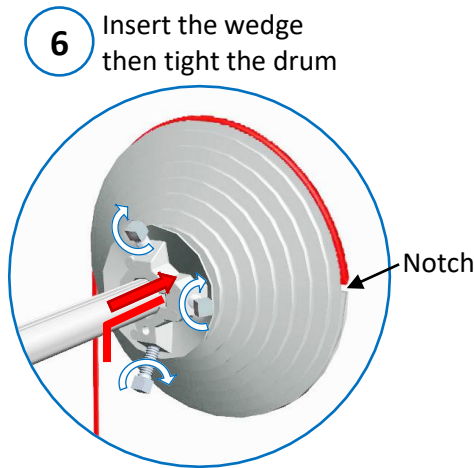
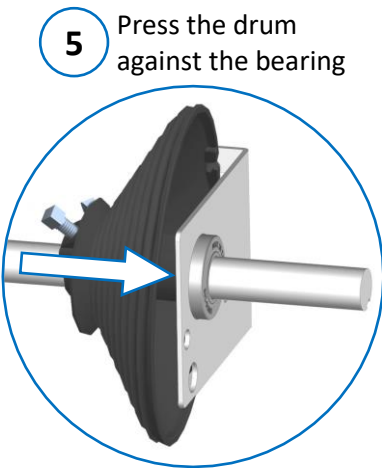
Top roller carrier (KIT n°235)



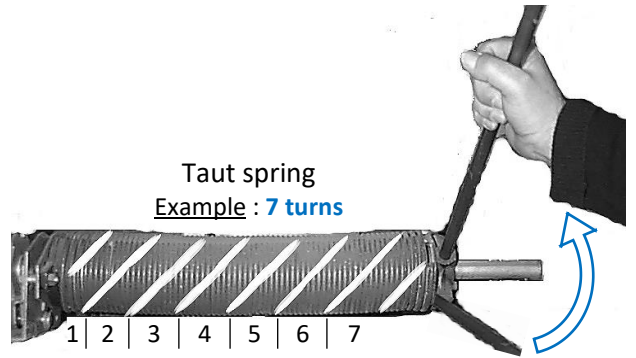
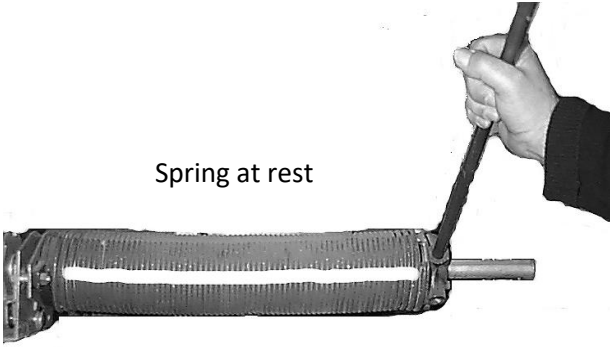
Install and tension the cables



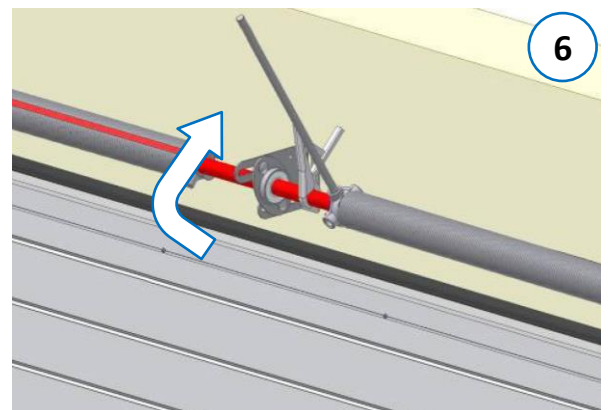
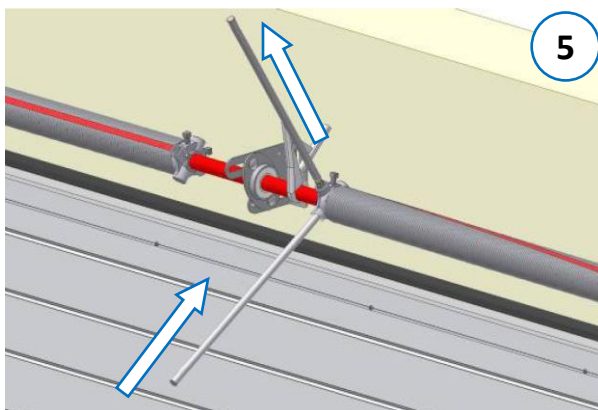
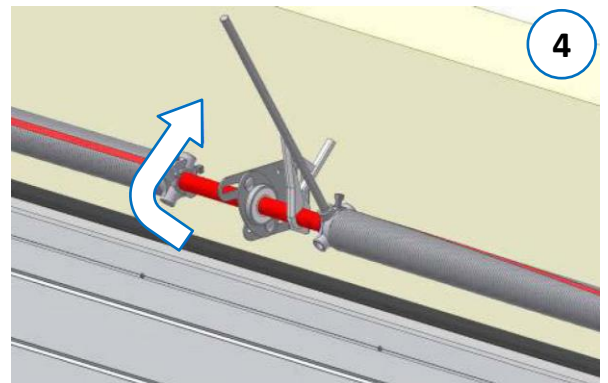
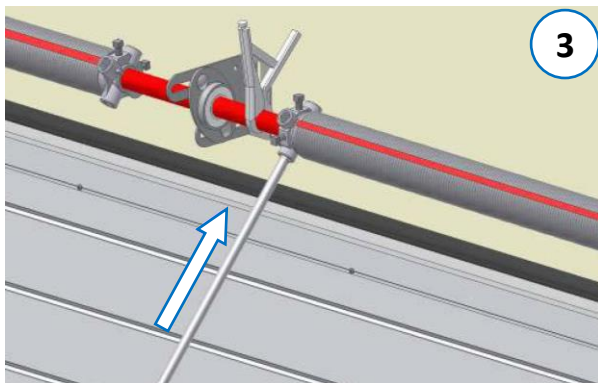
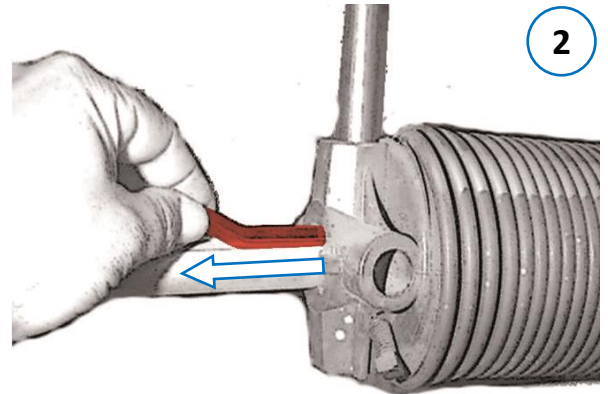
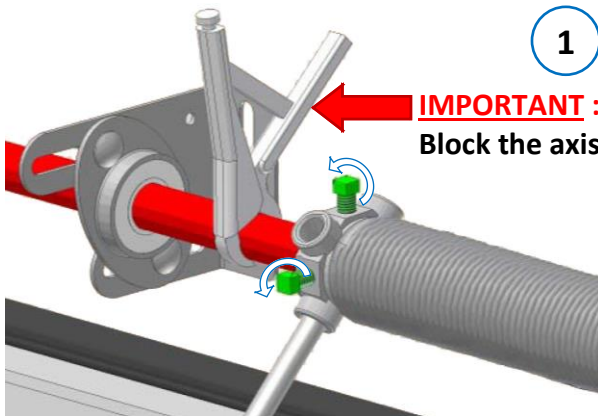
IMPORTANT : Drum notches must be aligned.

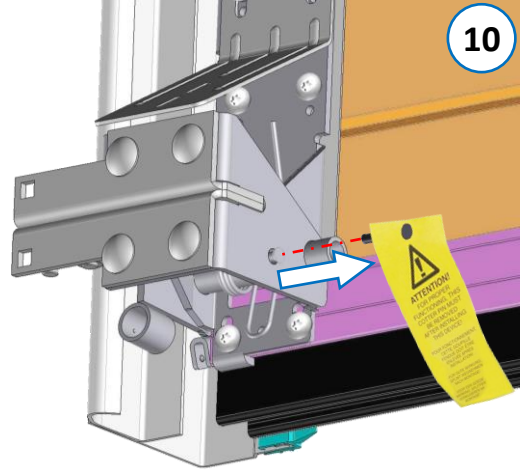
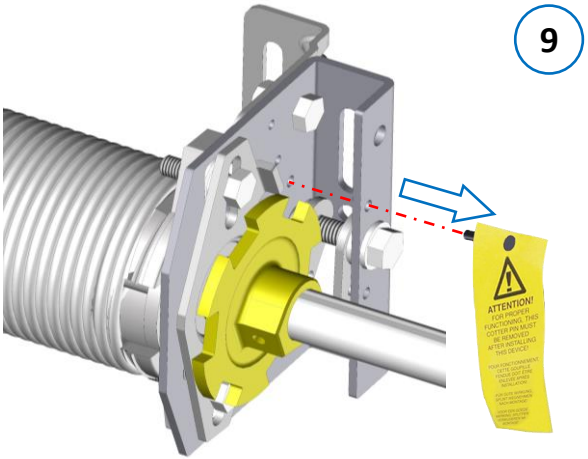
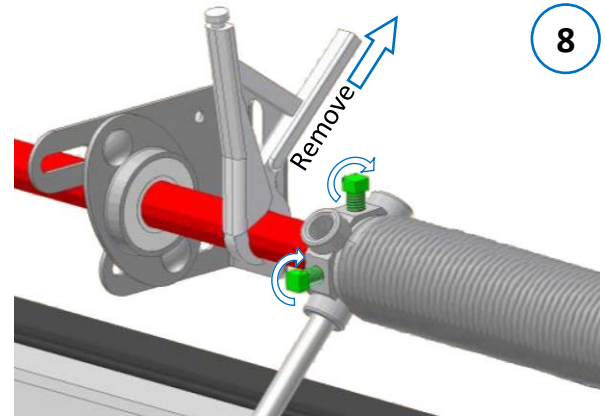
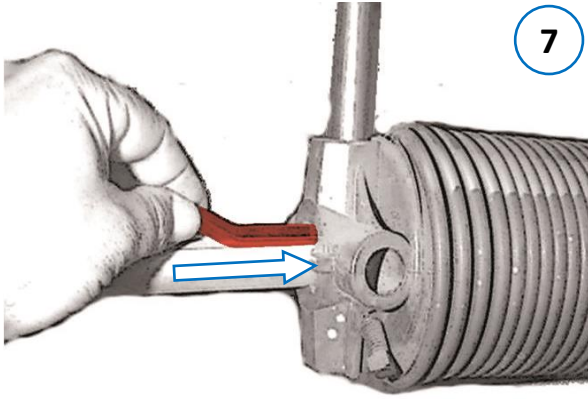


Principle : Determine the number of turns

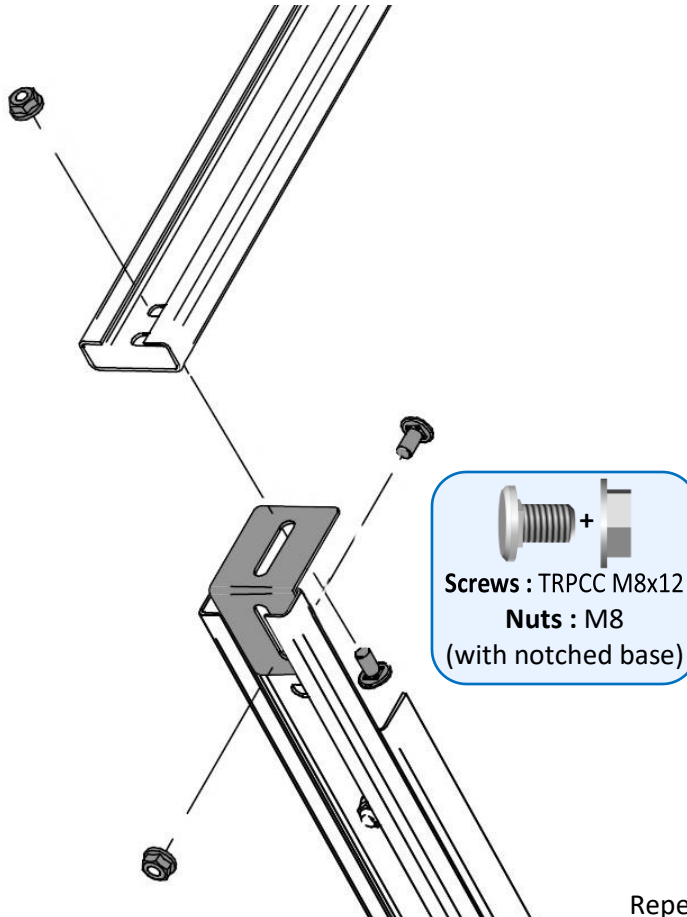


Tension the springs



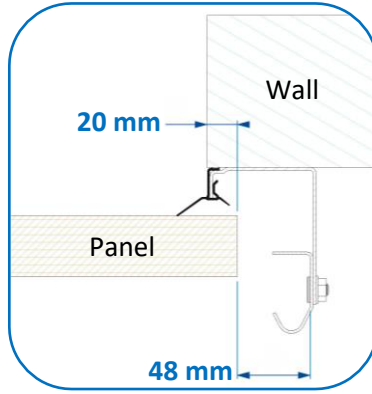


Mount the rod



Repeat the process with the other vertical rail

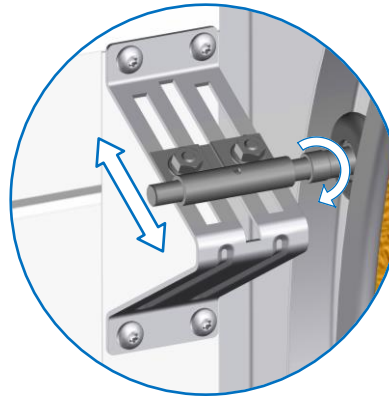
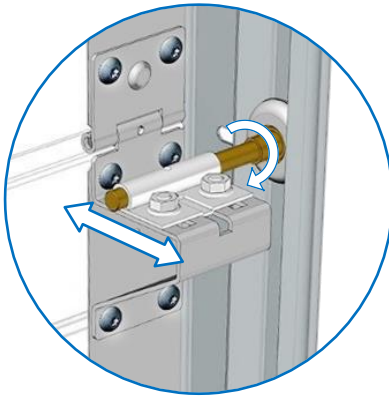
Control the plays of rails



Adjust the roller guides

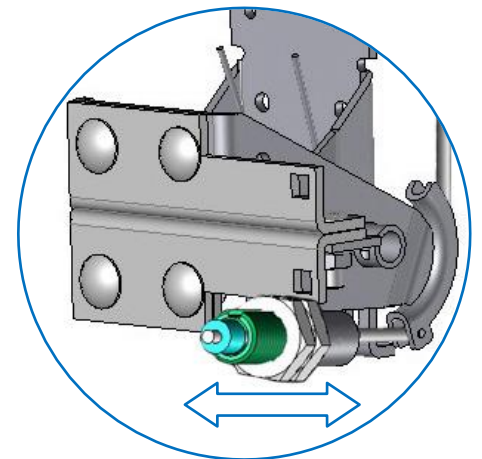
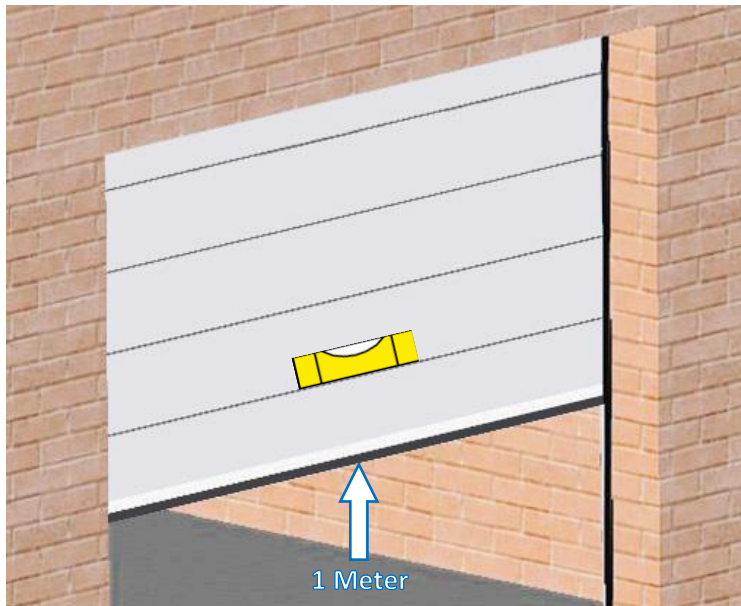
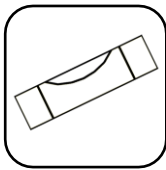


! Do not squash the apron on the exterior lateral joints.
The rod of the pebble must rotate.



IMPORTANT :
Grease the springs
and the bottom of
the rail.

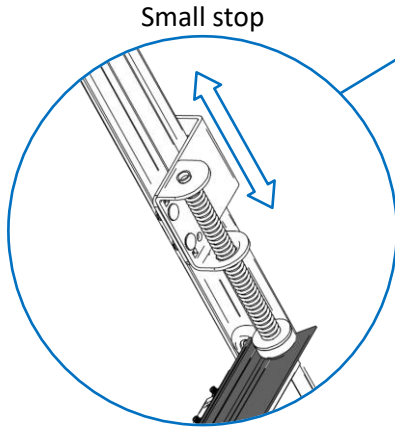
Adjust the horizontal level



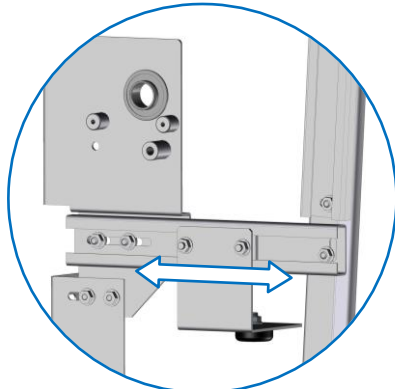
adjust the stops



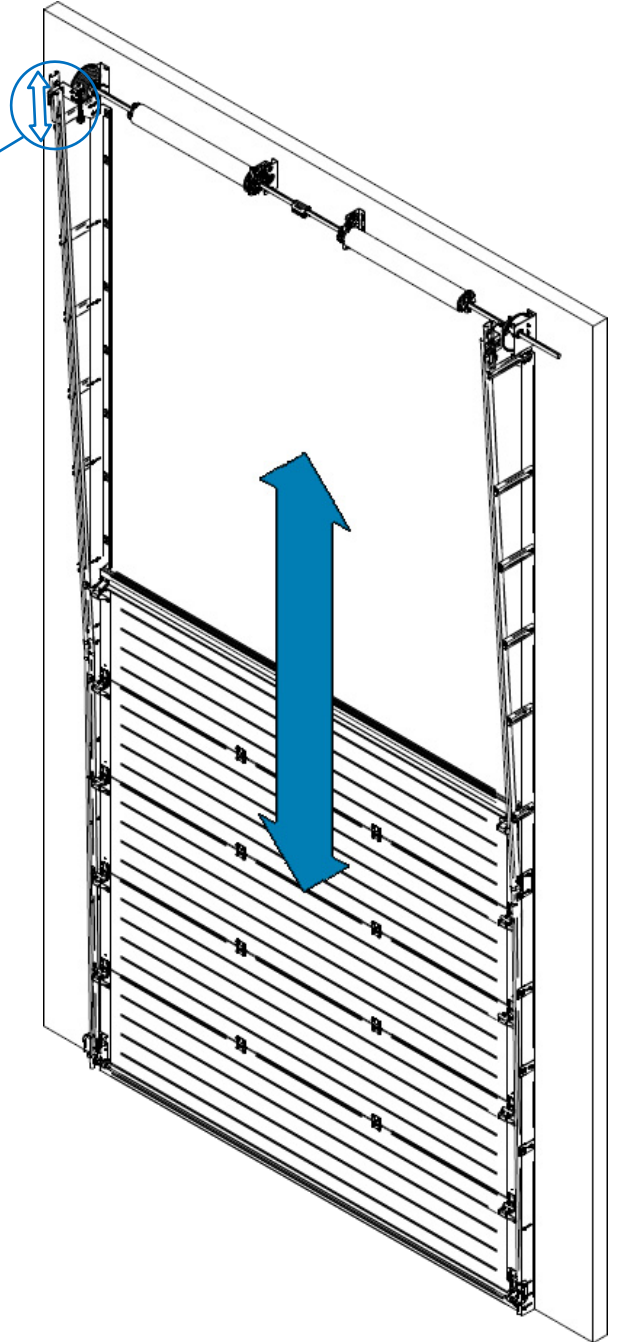
IMPORTANT :
Door open, the high panel must be in contact on the 2 stops.



or



OP'Drive stop



Option : Lock or Latch

Outside lock

Inside lock

Latch (KIT n°7)

At the edge of the panel

Drilling into the rail

Ø16 mm

Screws : Self-drilling TB Torx 6,3x25

Ø4,2 mm length 30 mm max.

Manual door : Mount the pull-cord

Ø6,5 mm

Screws : TH M6x16 Nuts : H M6 (with notched base)

Screws : Self-drilling TB Torx 6,3x25

Option : Electric drive

For installation and programming of the motor and the box ; consult manuals specific attached.

In case of wrong manual functioning

- Check the vertical rails for plumb and their spacings at 48 mm from the edge of the panel.
- Check that the feet of the vertical rails are at the same levels.
- Check alignment of vertical high rails in relation to vertical low rails and their spacings at 48 mm from the edge of the panel.
- Raise the door about 1 meter and check that the apron is level.
- Check that the side joints are not crushed and that the sealing adjustment of the apron is regular.

IMPORTANT : A poorly adjusted apron and too crushed on side joints, does not allow proper operation of the door.

- Adjust the compensation setting by $\frac{1}{4}$ turn on the springs, to obtain a manual maneuver with less effort.

IMPORTANT : Difference of tolerated turns between springs = $\frac{1}{2}$ turn.

Note : After several hundred maneuvers, it may be necessary to re-tensioning slightly springs.

For mounting of winch or motors ; consult manuals specific attached.



In case of blockage of anti-fall, call a trained installer.