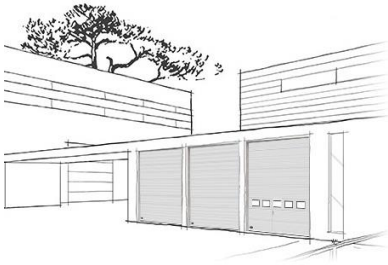


Manual No. 7001

10/23

INSTALLATION

Sectional doors Industry and Large Villa



**Standard & Gradient lift
High & Gradient lift
with OH \leq 1,070 mm**



(Document reserved for installers)

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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

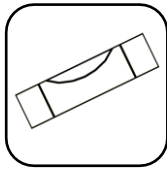
Min. working load per attachment point :

Compensating shaft = 300 daN

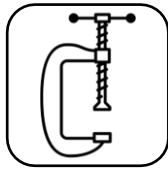
Rails = 40 daN

Before installation

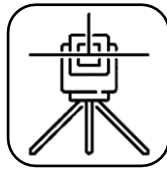
Required equipment



Spirit level



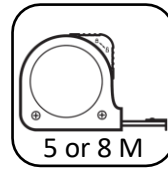
Clamp



Laser level



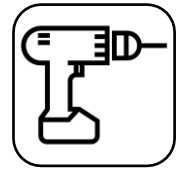
Plumb bob



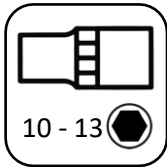
5 or 8 M
Tape measure



Utility knife



Electric screwdriver



10 - 13
Socket



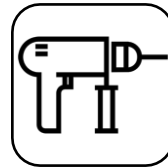
Cruciform bit



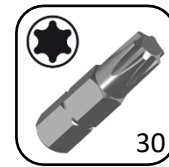
Flat wrench



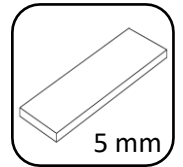
Hexagonal bit



Perforator



30
Torx bit



5 mm
Wood shims



Phillips screwdriver



Flat screwdriver



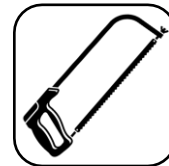
Pencil



Grinder



Combination pliers



Hacksaw



Locking pliers



Steel drill Ø4,2
length. max.30 mm



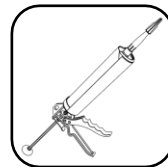
Concrete drills



Flat tip



Trestles



Silicone sealant



Ladders



Lubricant



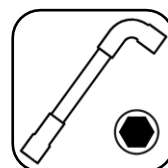
Brush



Pot of grease



Grease spray



Pipe wrenches
10 and 13 mm



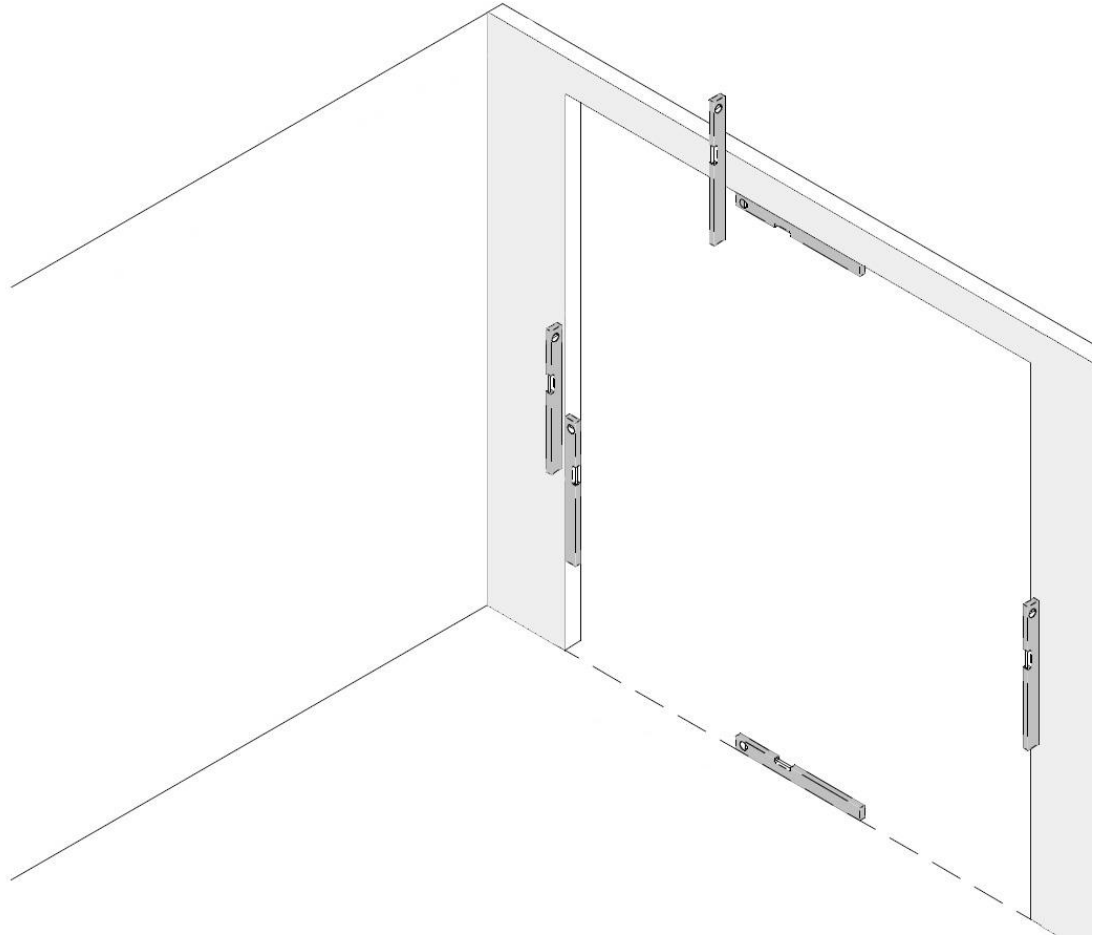
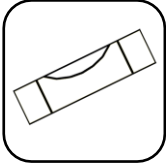
Hammer



Rope

Ankles
with screws

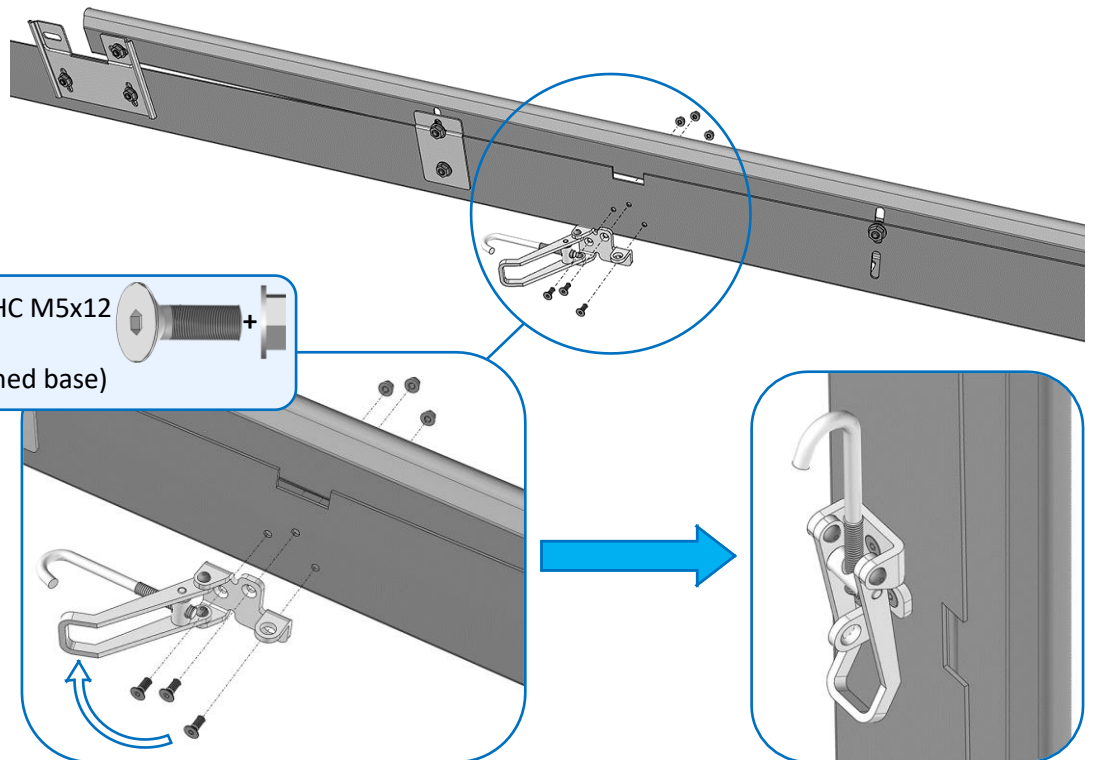
Control the levels



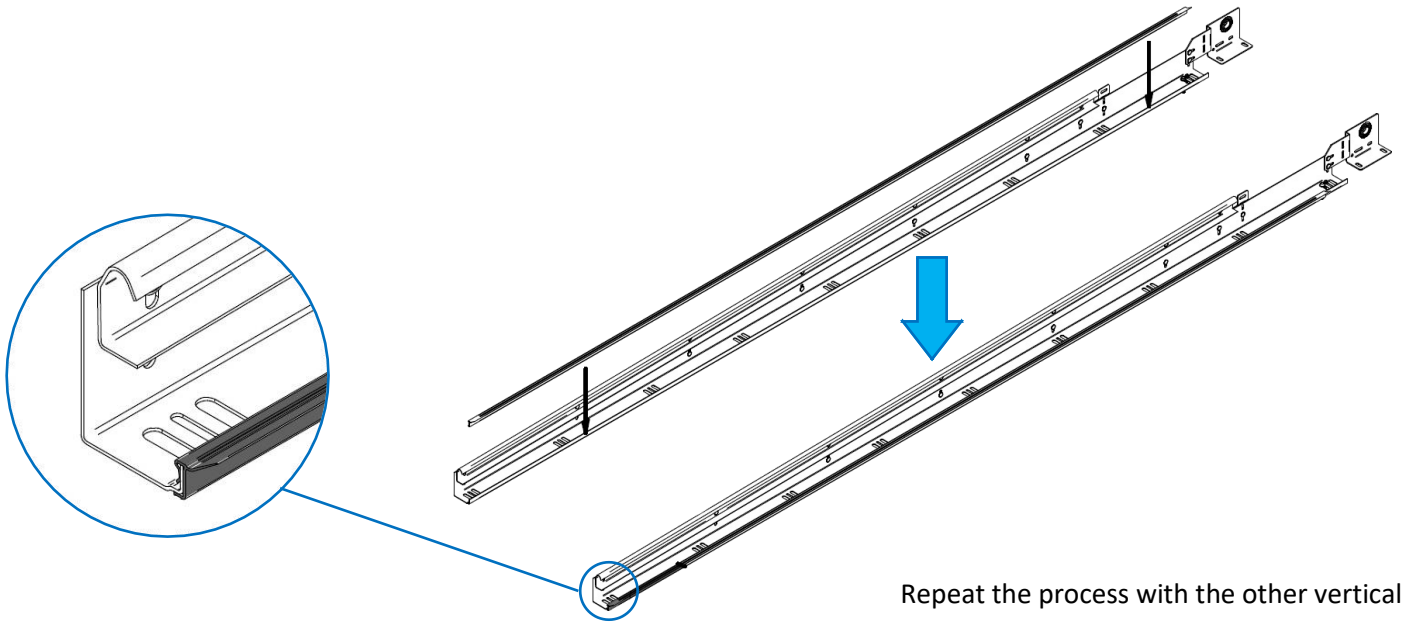
OP'Drive operator : Mount the emergency maneuver



Screws : FHC M5x12
Nuts : M5
 (with notched base)

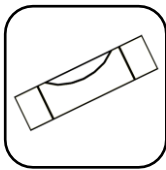


Clip the joints on the vertical rails

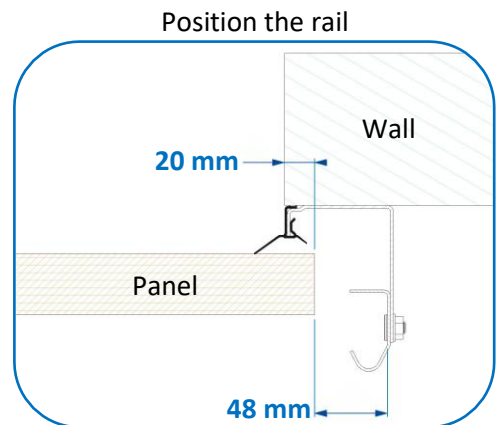
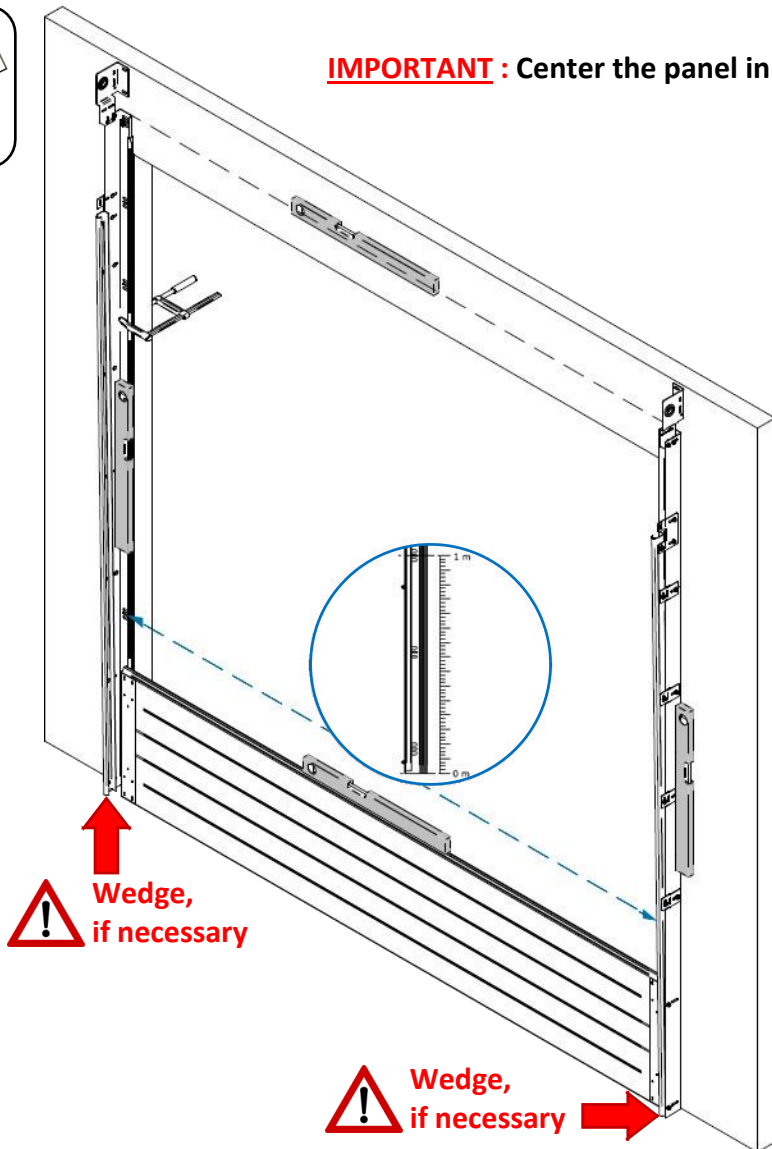


Repeat the process with the other vertical rail

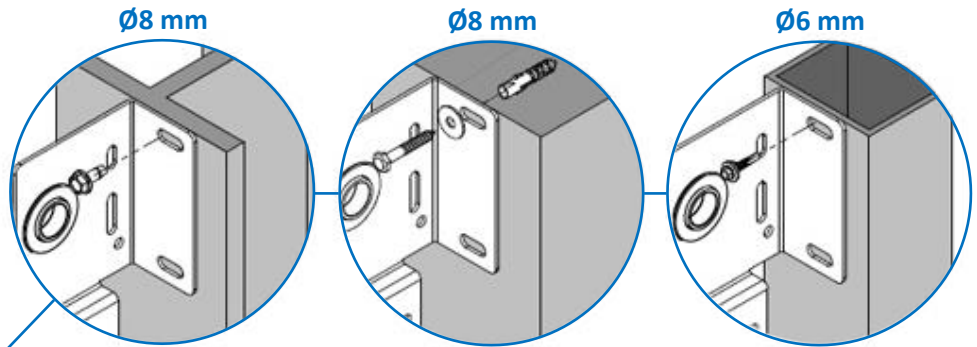
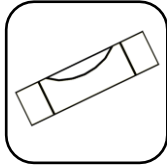
Position the vertical rails



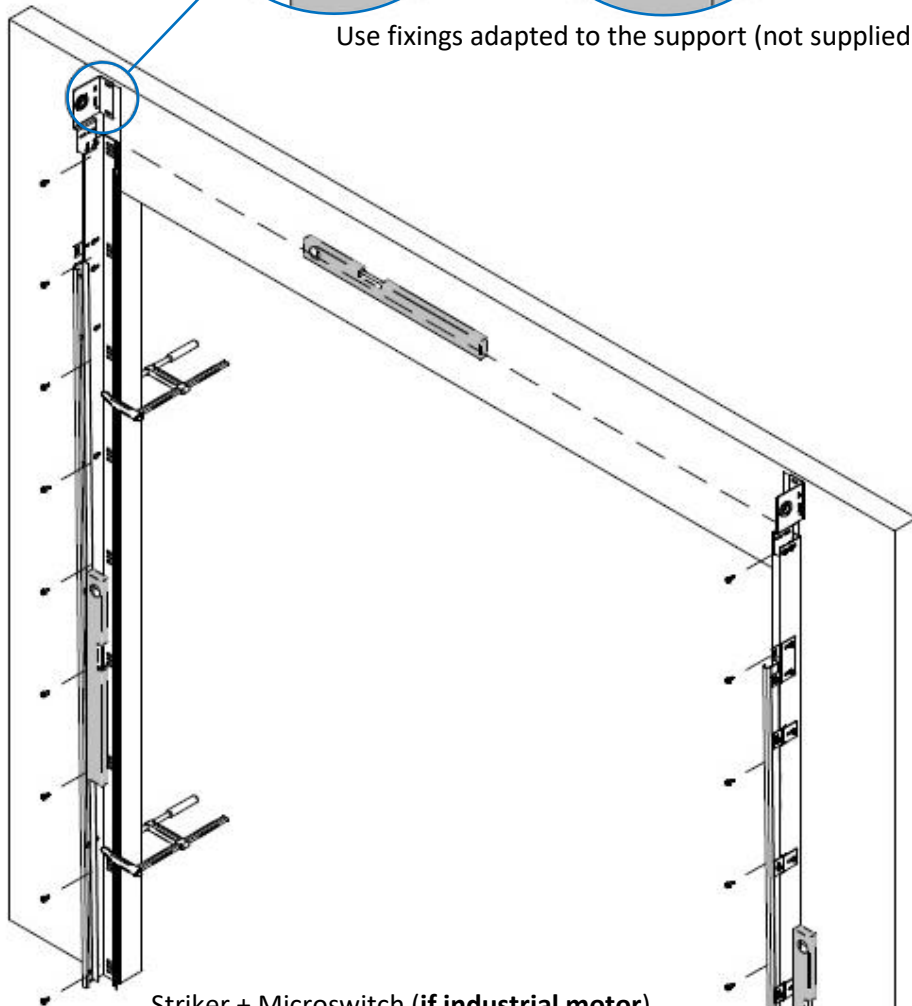
IMPORTANT : Center the panel in relation to the opening.



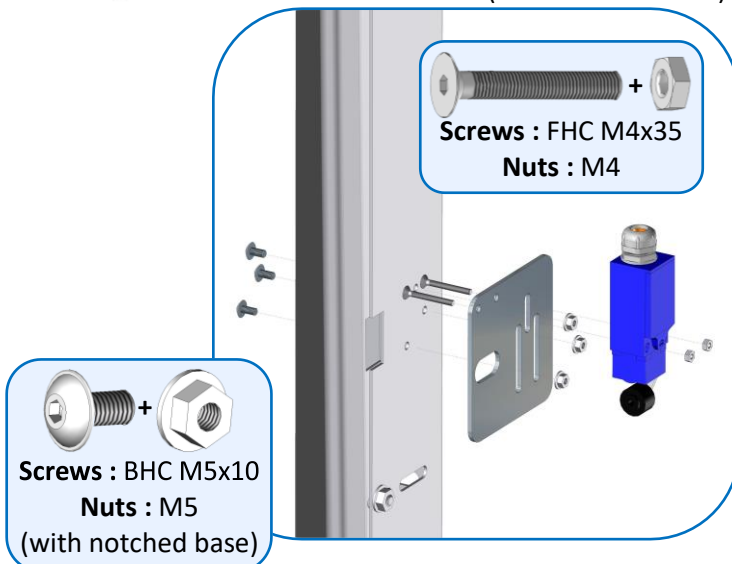
Fix the vertical rails and mount the strike



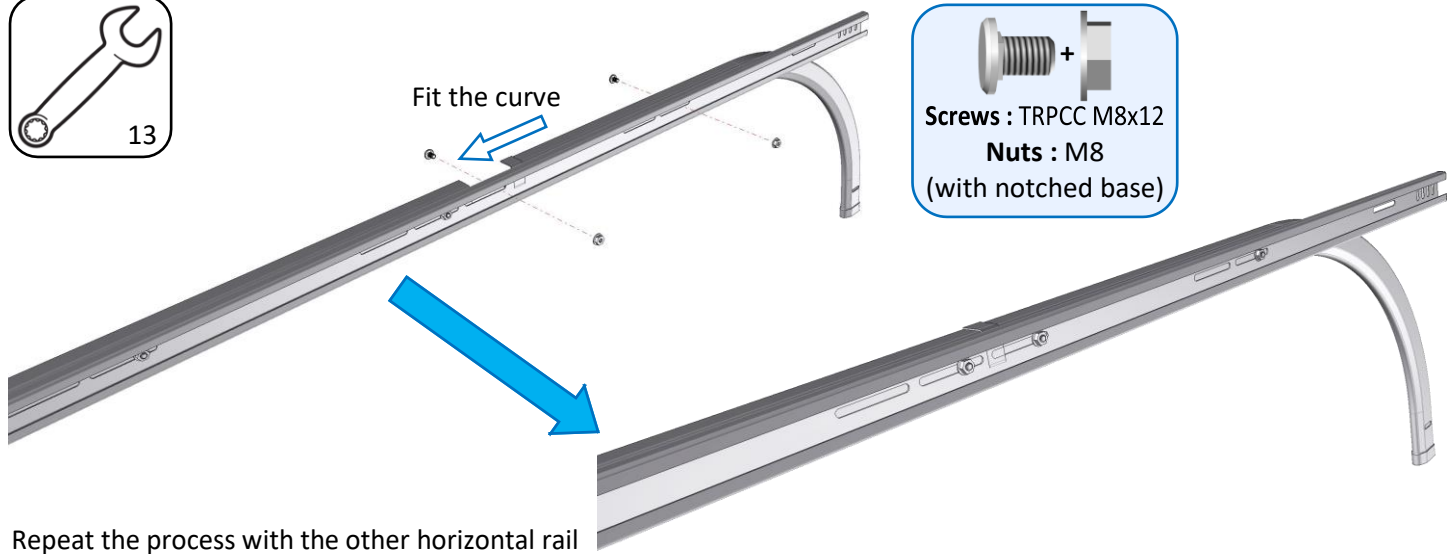
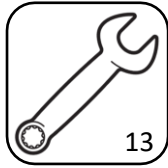
Use fixings adapted to the support (not supplied)



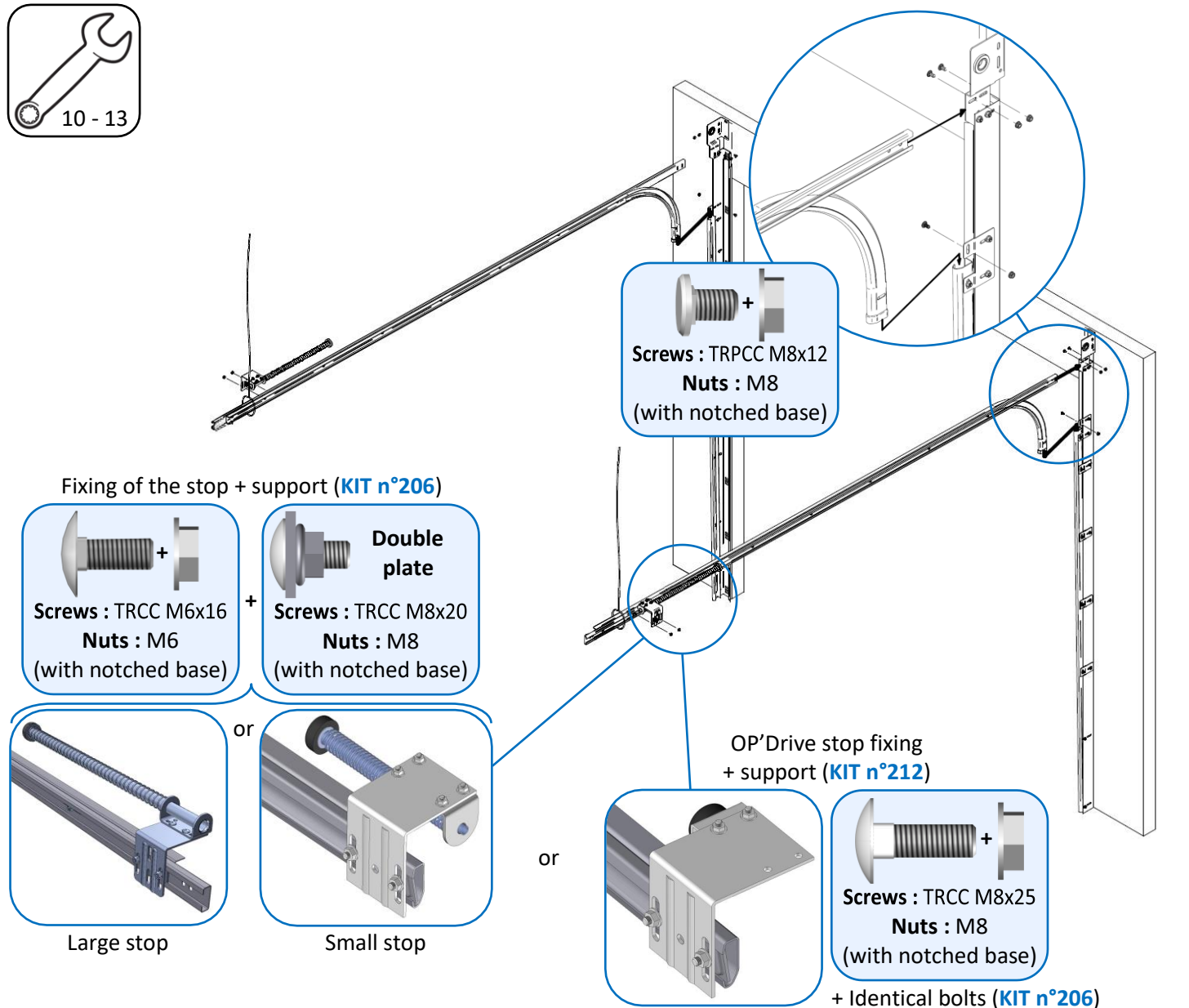
Striker + Microswitch (if industrial motor)



Mount curves on horizontal rails

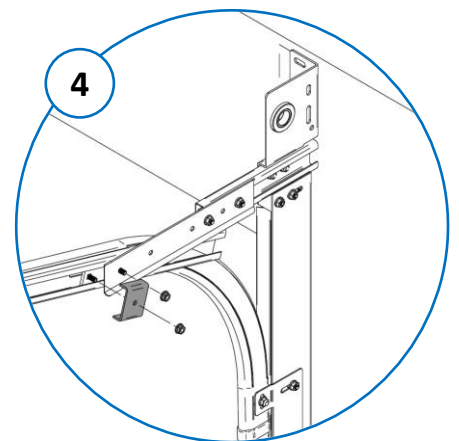
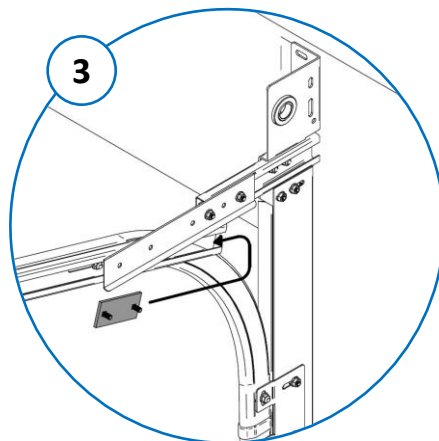
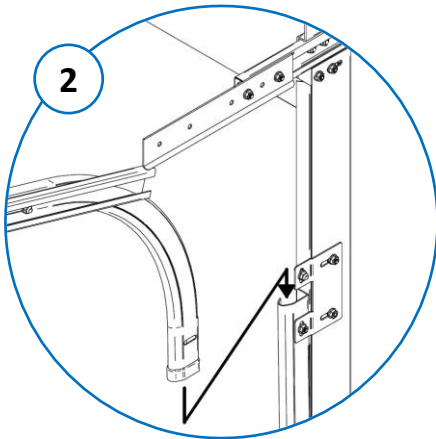
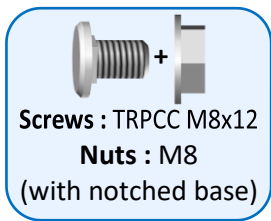
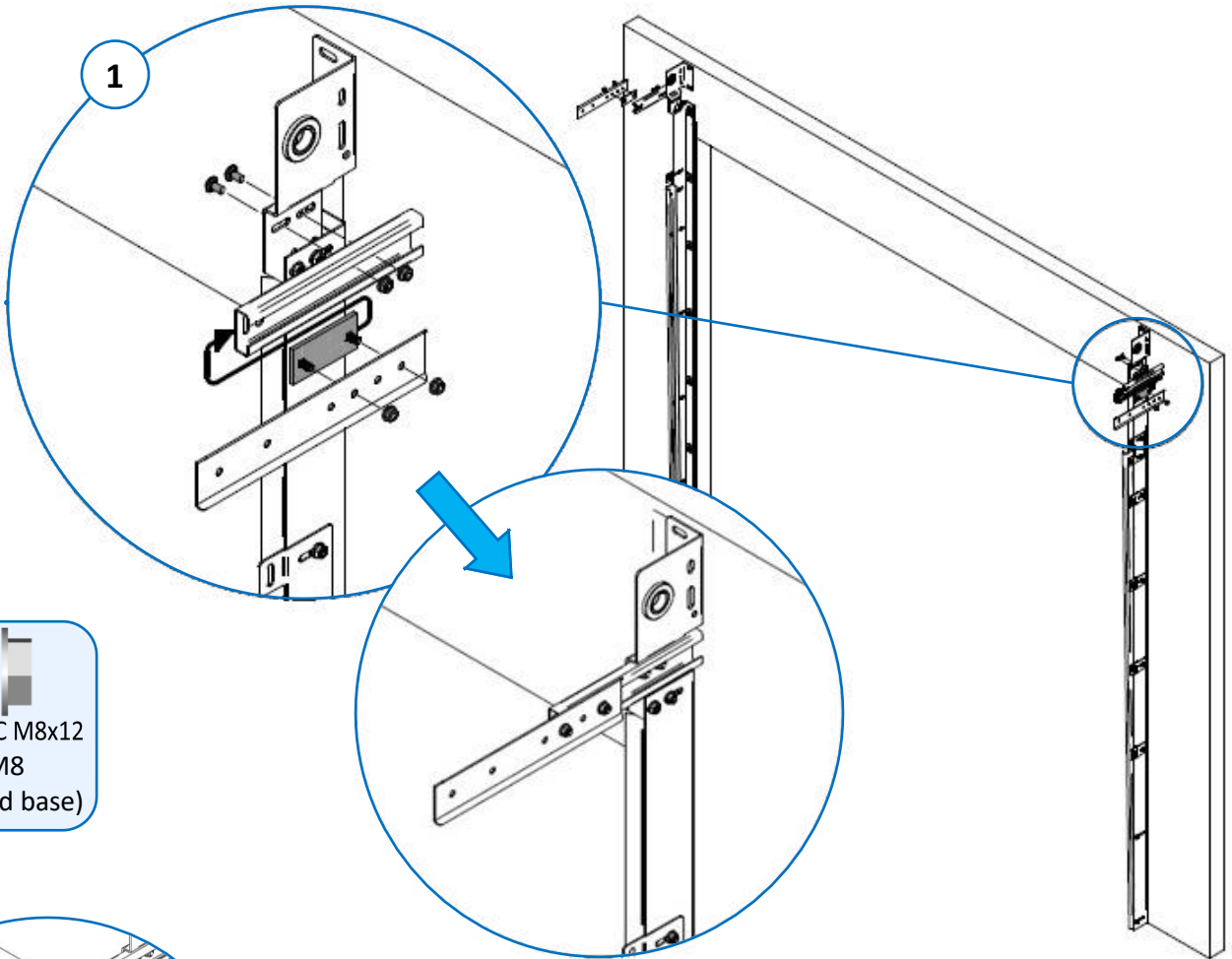


Mount horizontal rails and stops

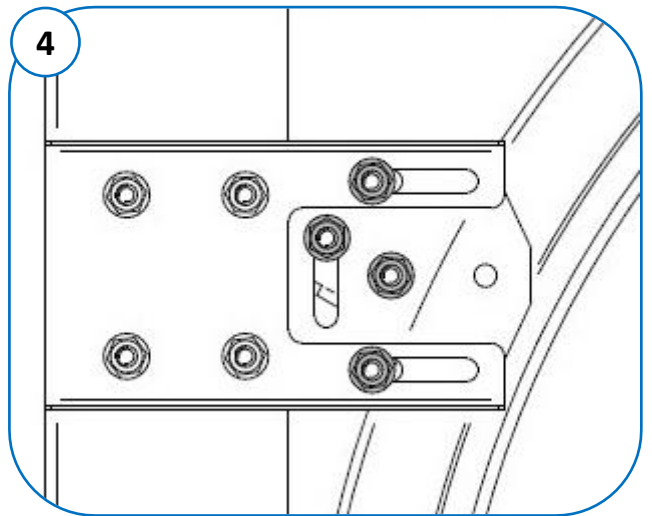
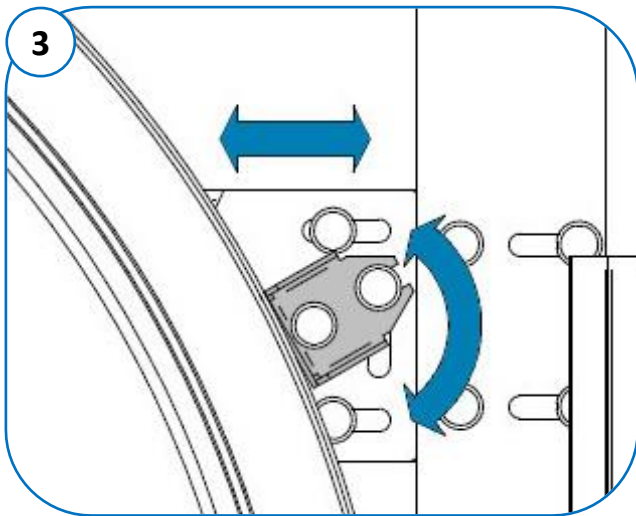
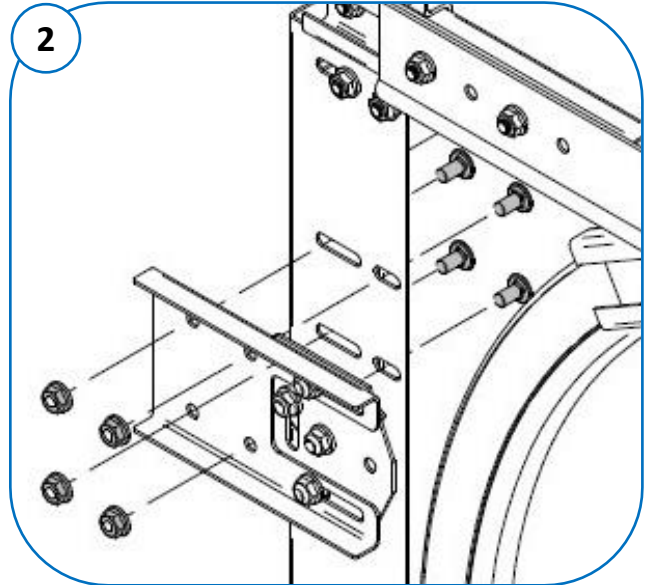
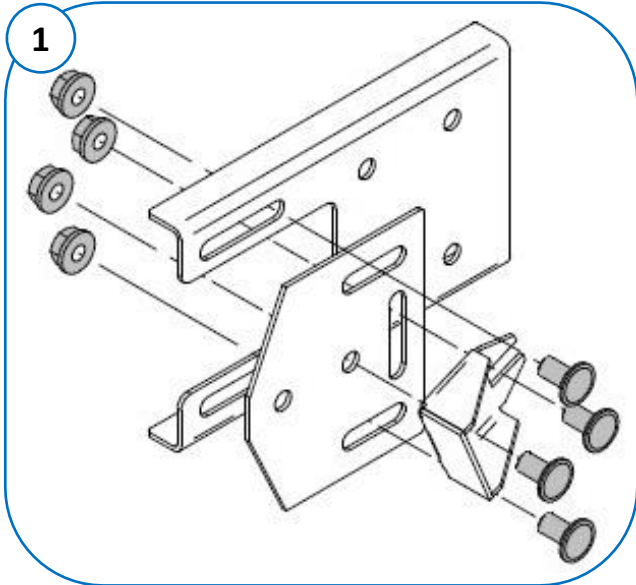
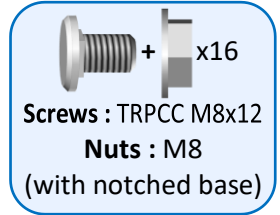
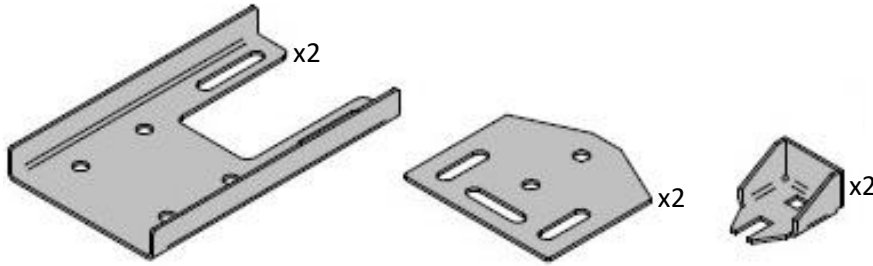


Particular case : Gradient lift

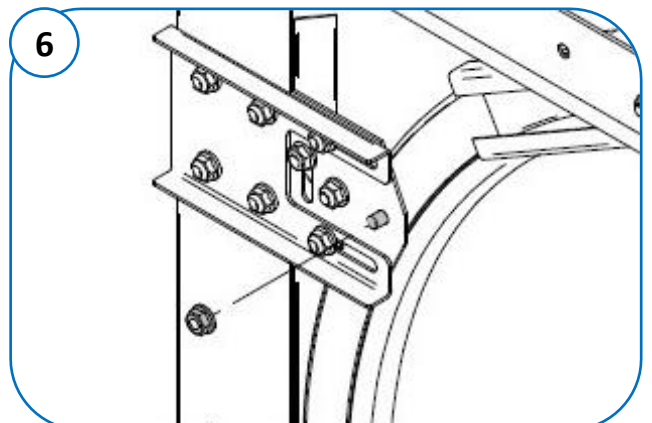
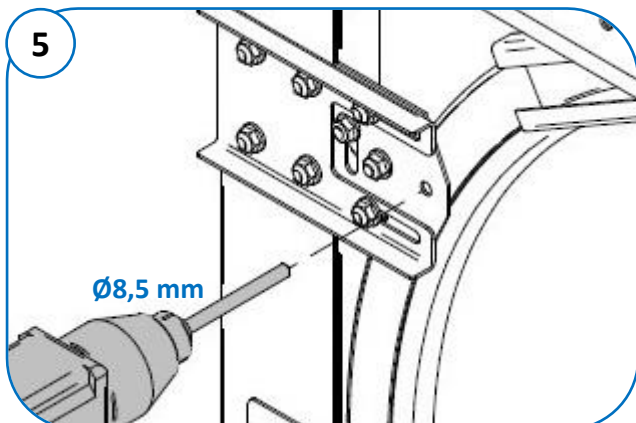
Mount the horizontal rails



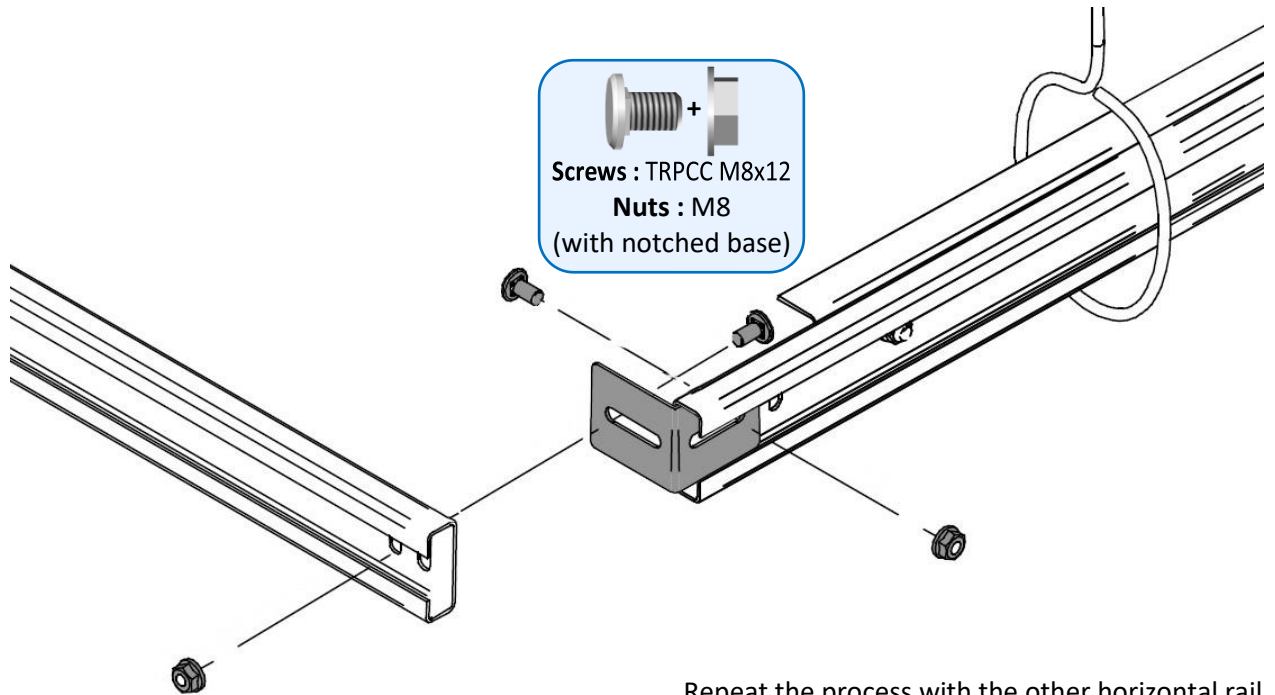
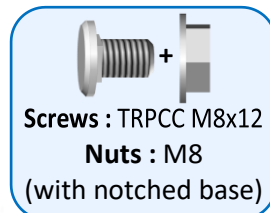
if gradient lift ≥ 20°



OPTION

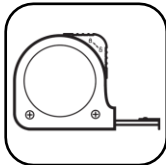


Mount the rod

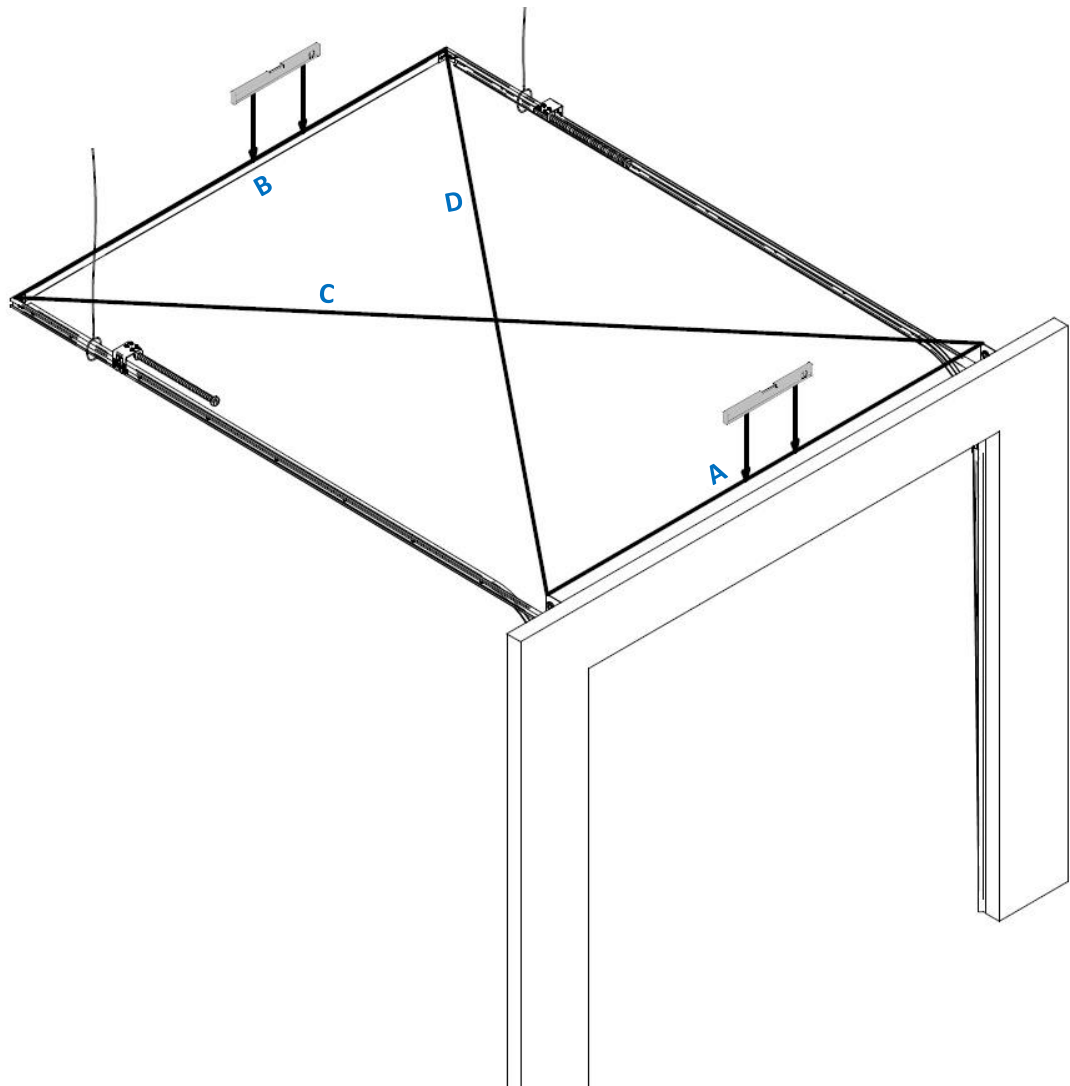
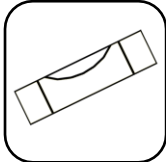


Repeat the process with the other horizontal rail

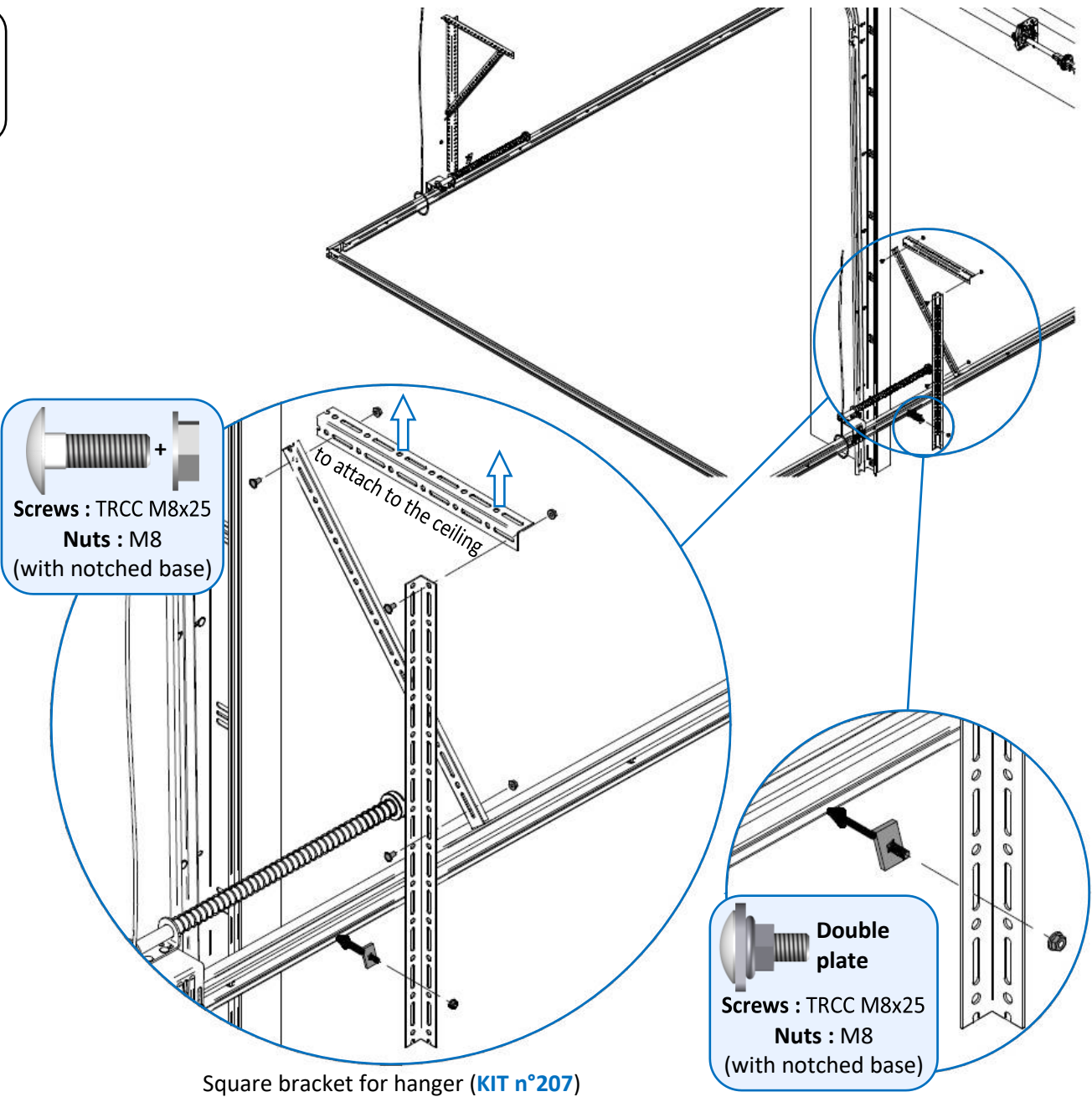
Check the diagonals



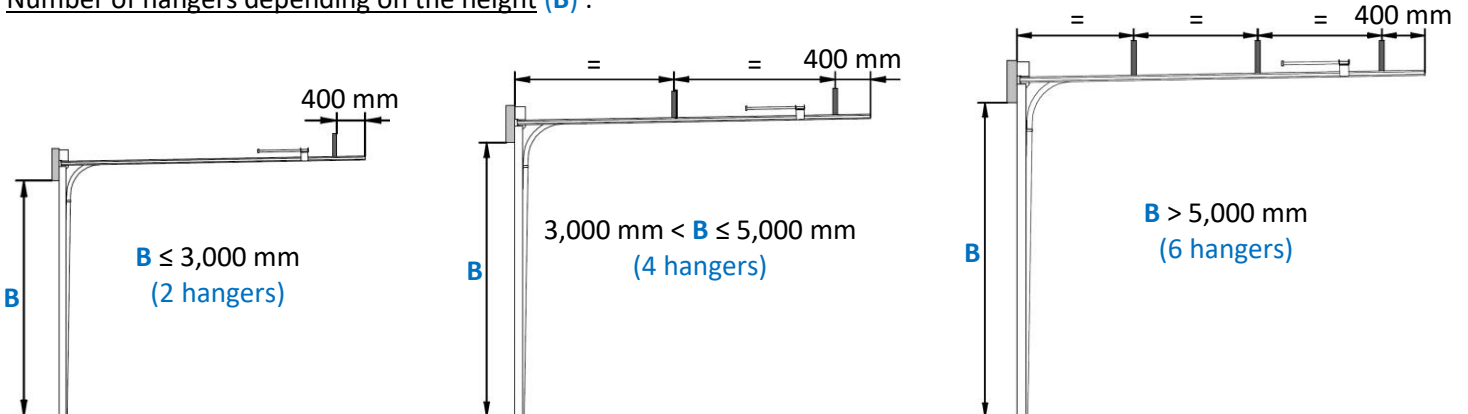
A = B
C = D



Fix the hangers



Number of hangers depending on the height (B) :



Prepare the compensation axis



Drum in standard lift or with slope.

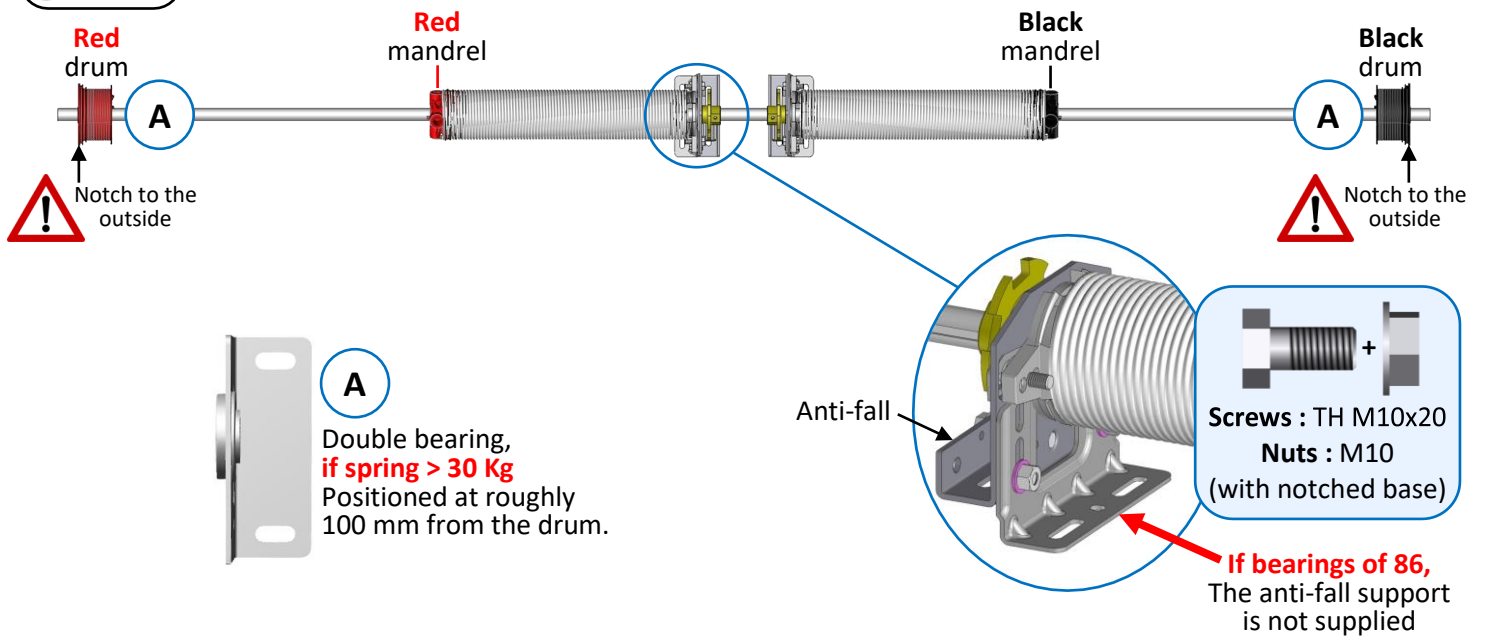


Drum in high lift or with slope.

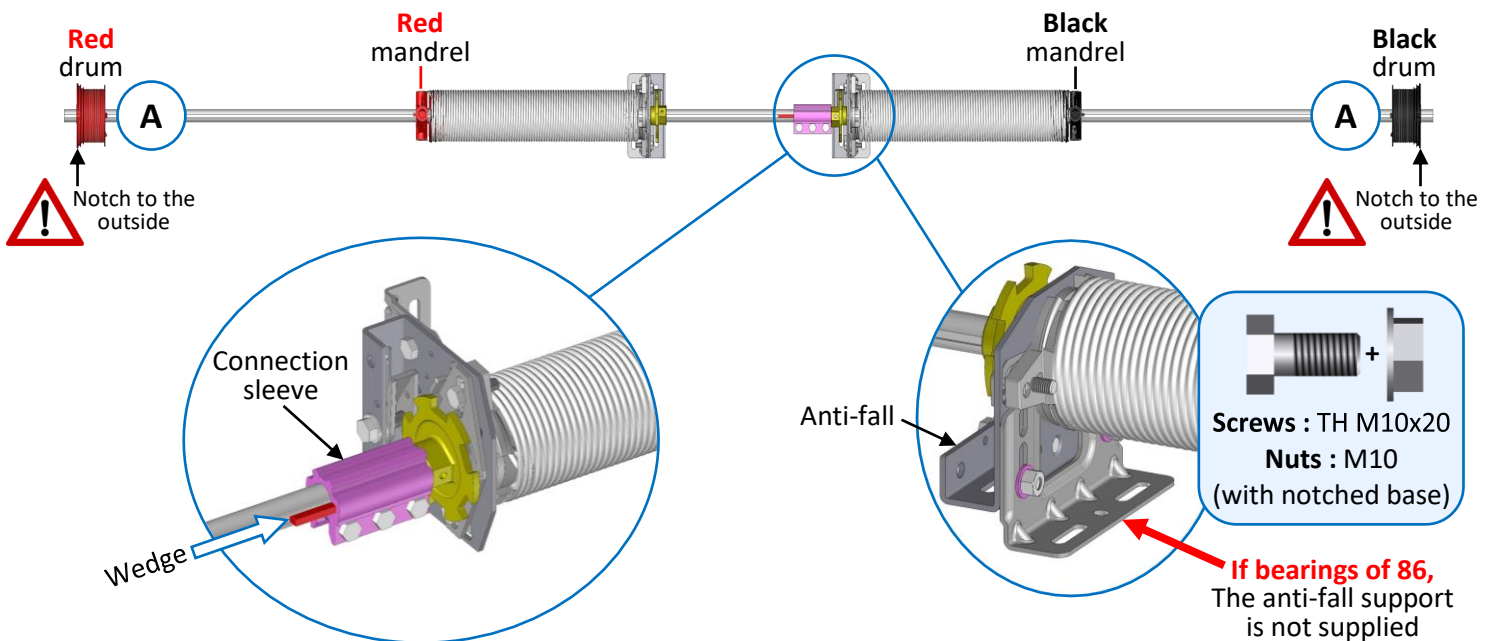
Axis in 1 part



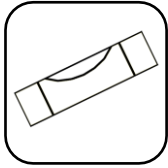
Note : If axis with a single spring, center him on the axis in respecting the same meaning, as per the mandrel color.



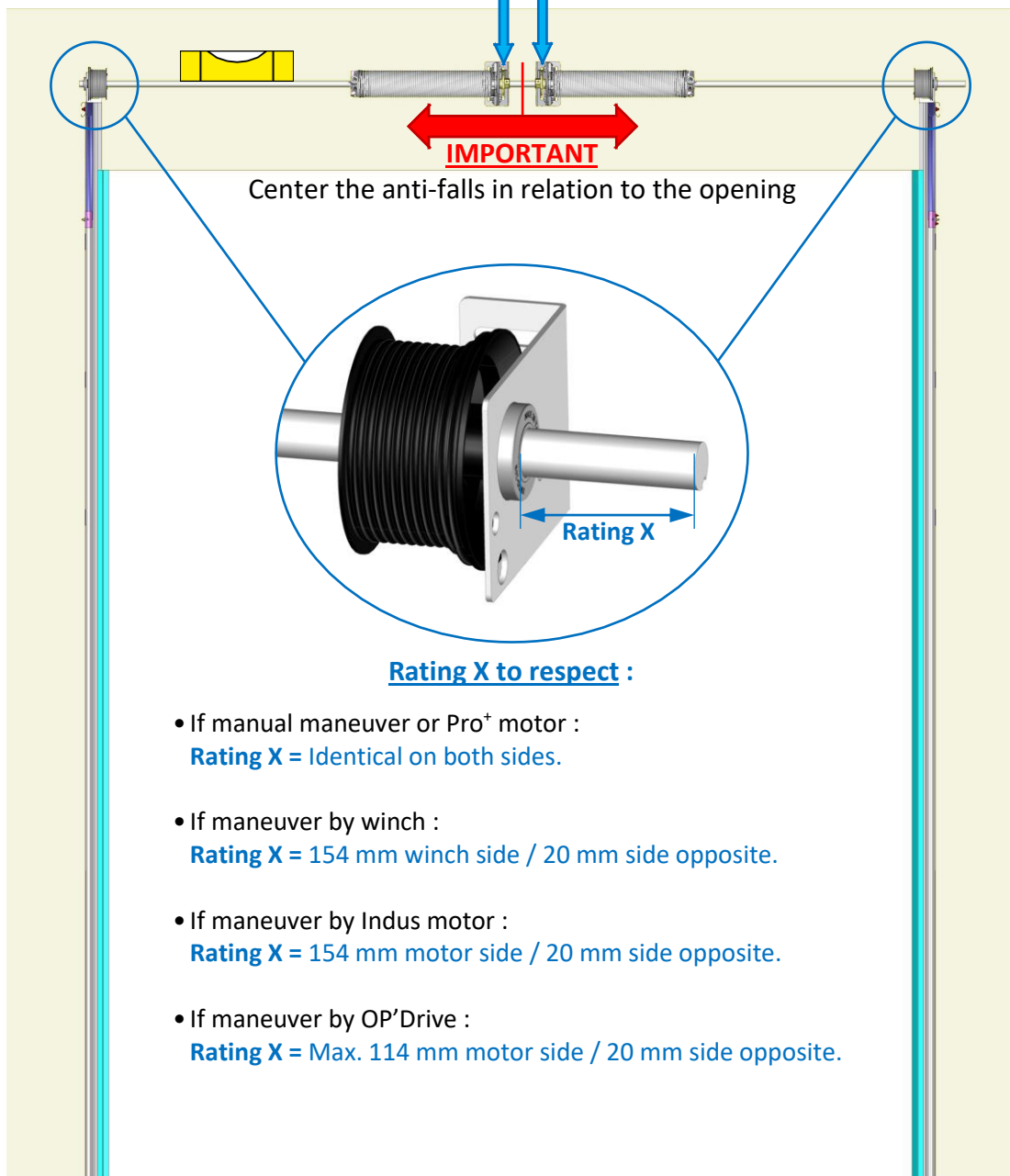
Axis in 2 parts



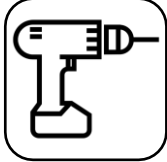
Mount the balance line



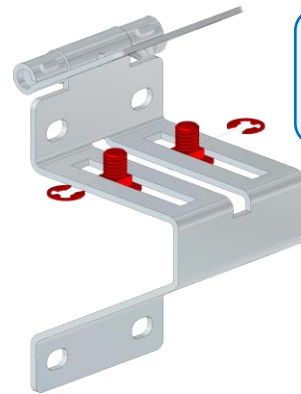
Use fixings adapted to the support (not supplied)



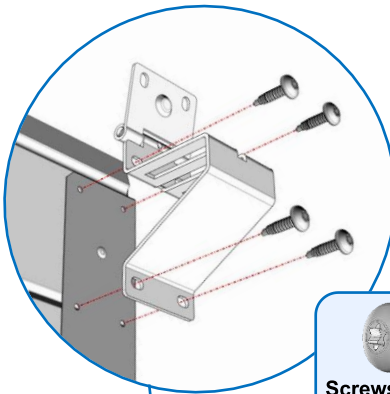
Prepare the panels



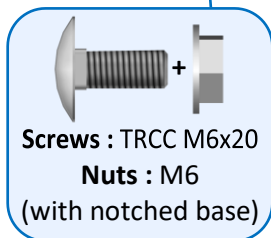
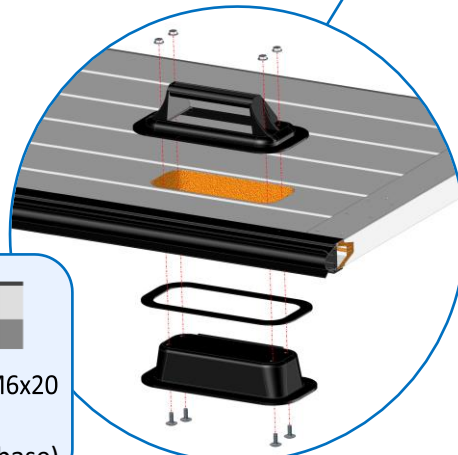
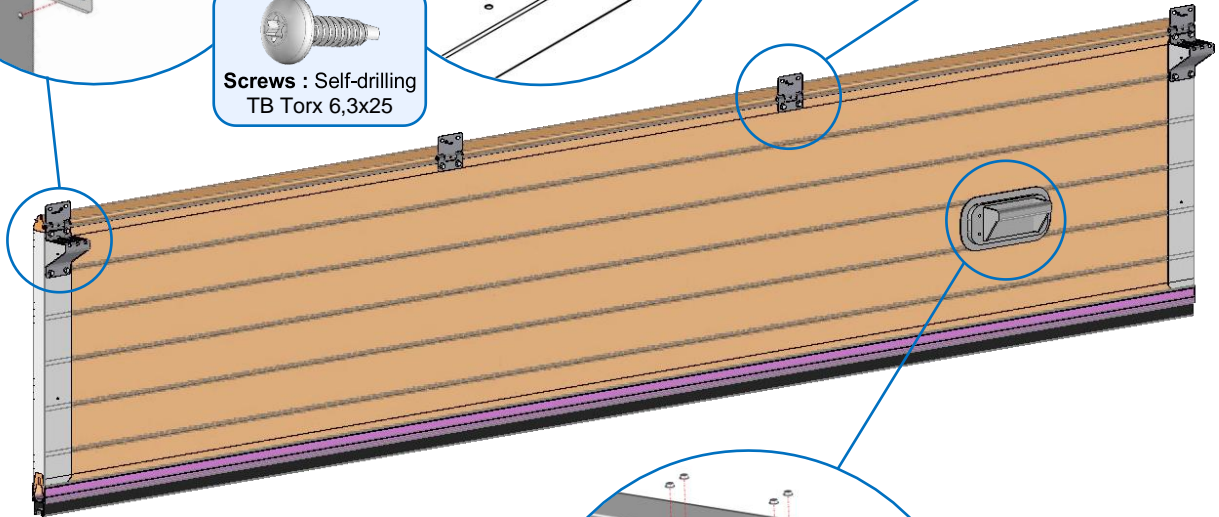
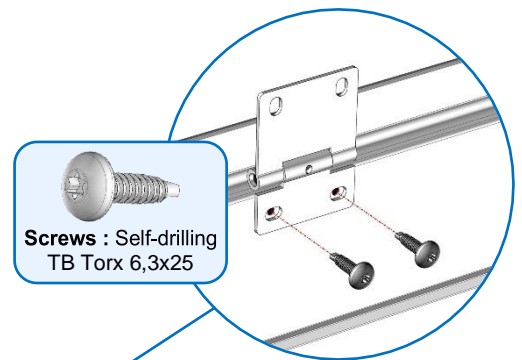
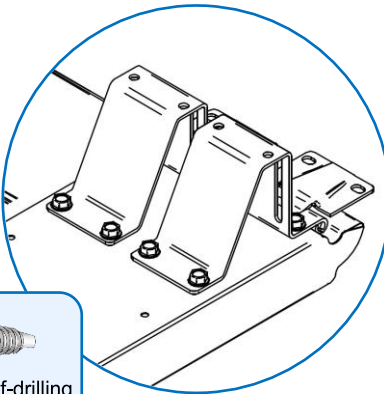
If glazed panel with stiffener :
Before fixing the lateral hinges to the panels, mount the circlips on the screws.



Double hinges
If door > to 5,000 mm

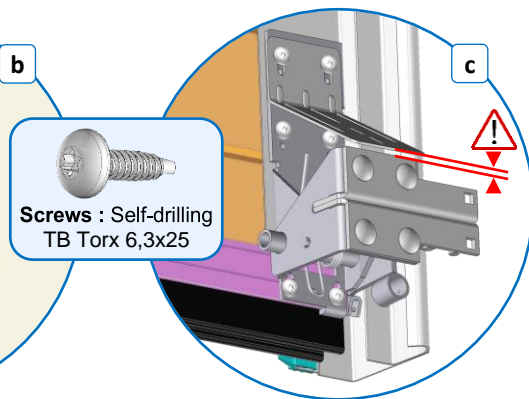
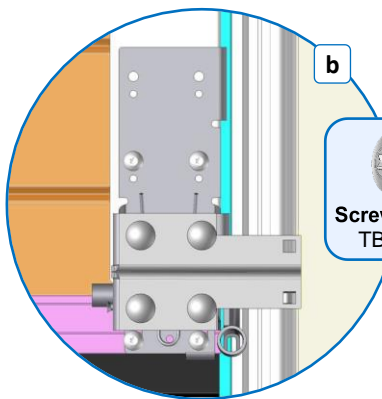
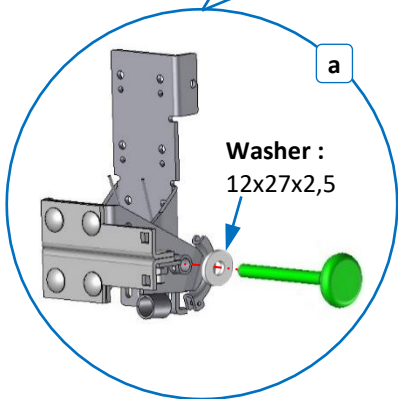
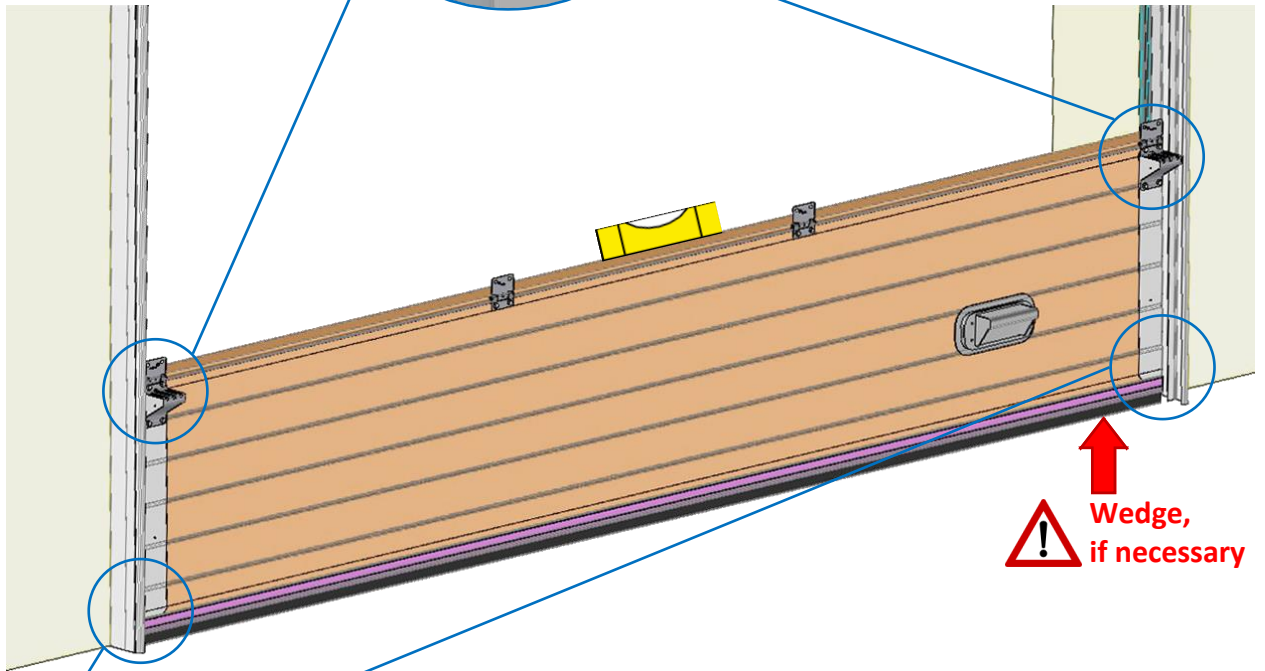
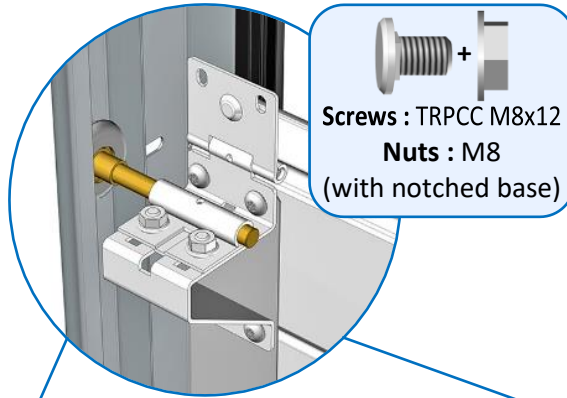
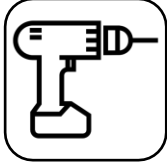
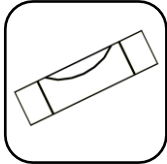


or

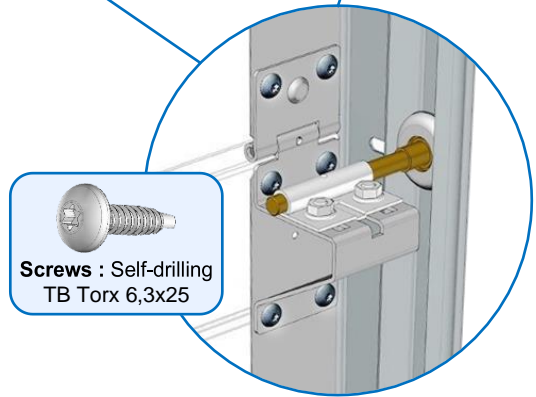
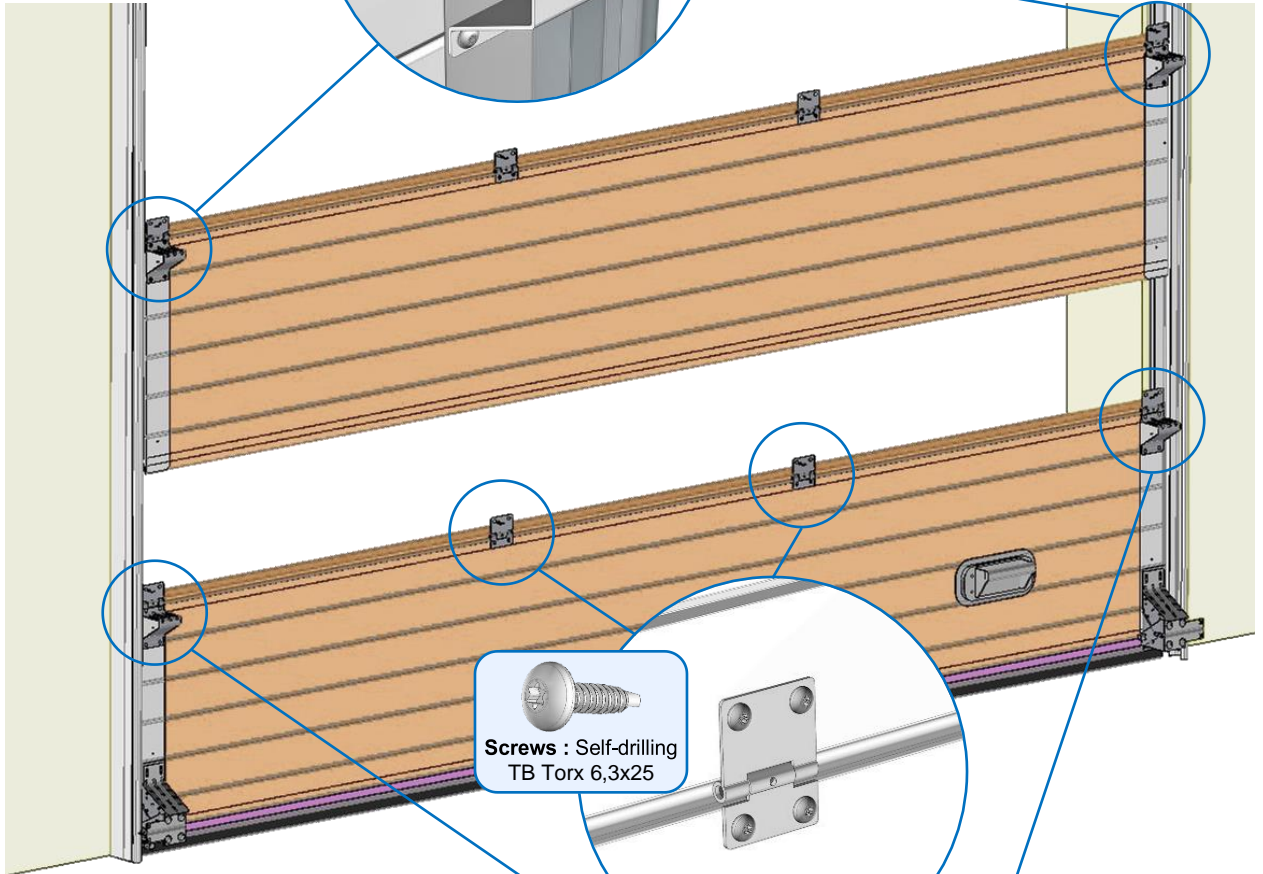
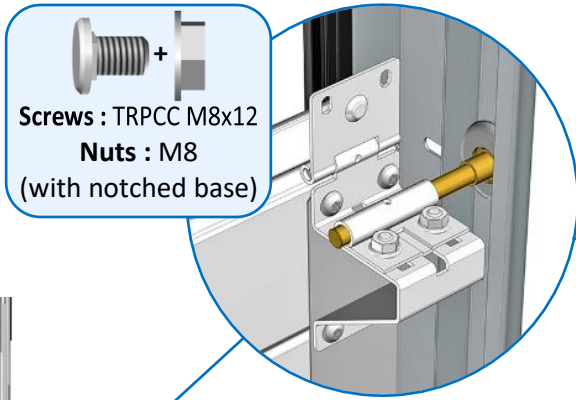
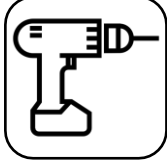


Grip foot rest

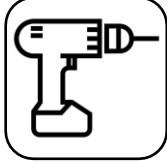
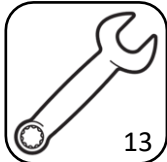
Mount the low panel



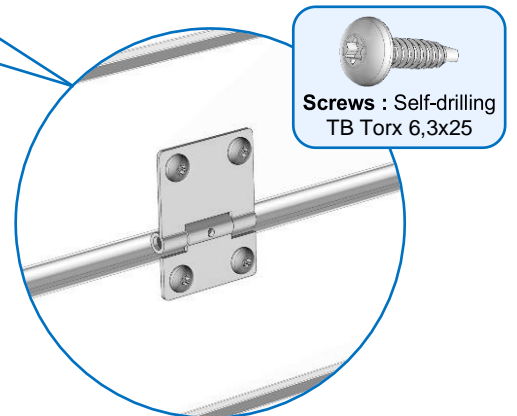
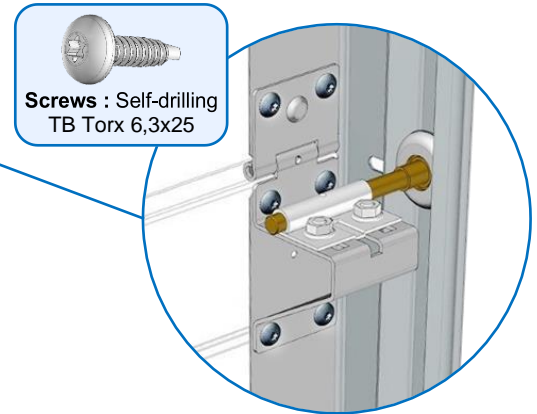
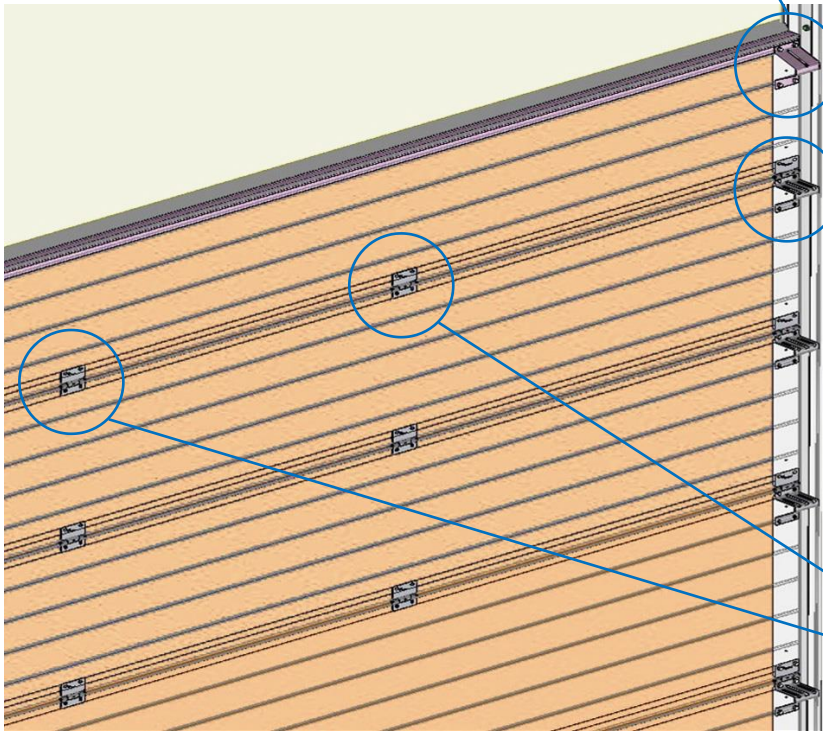
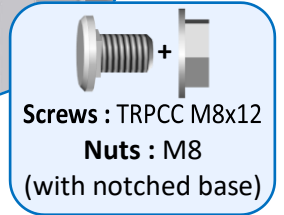
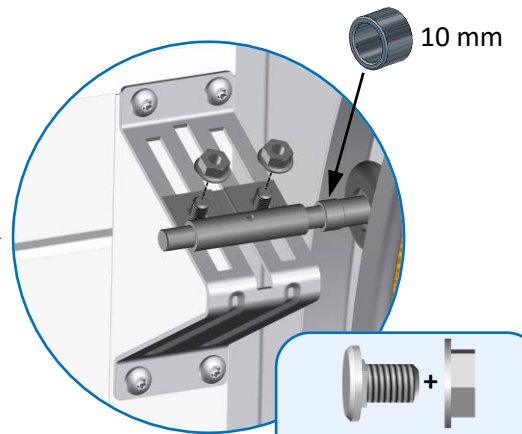
Mount the intermediate panels



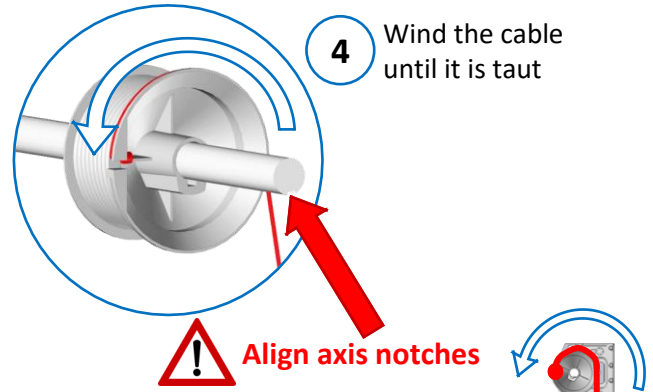
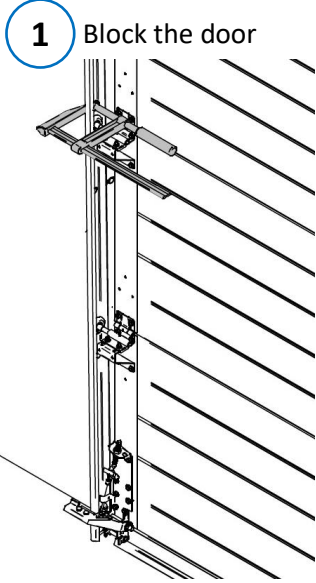
Mount the high panel



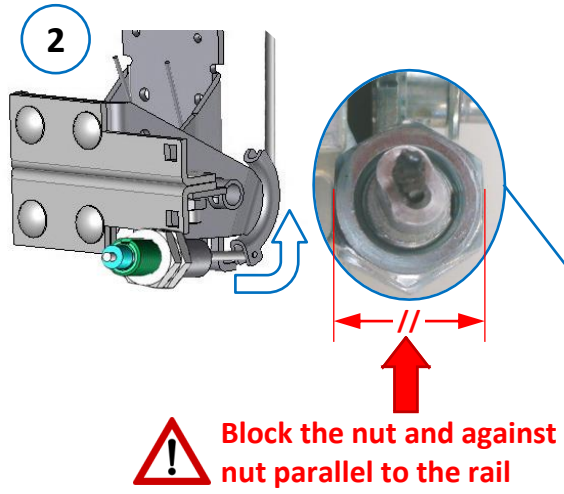
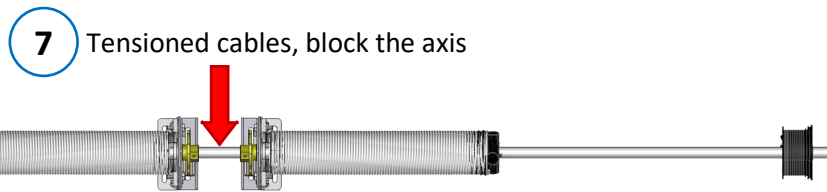
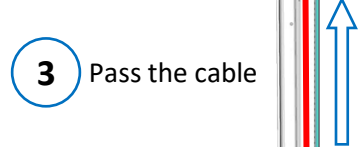
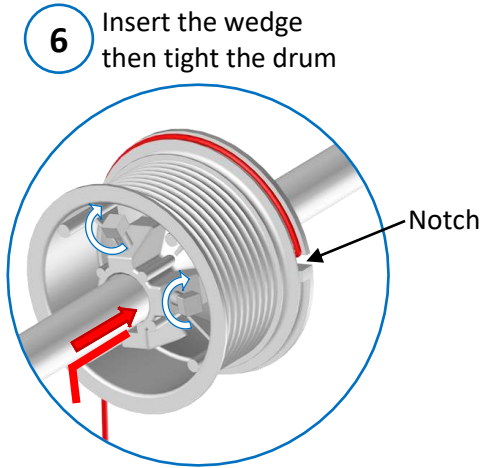
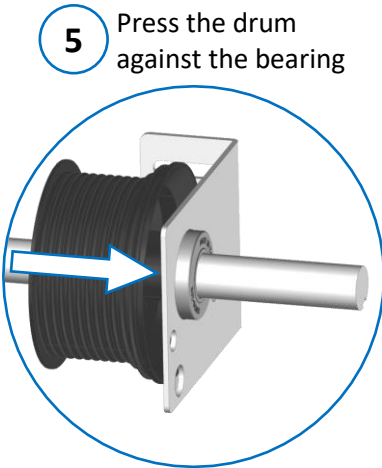
Top roller carrier (KIT n°235)



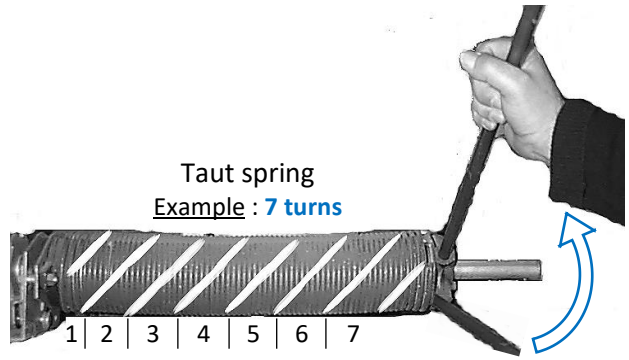
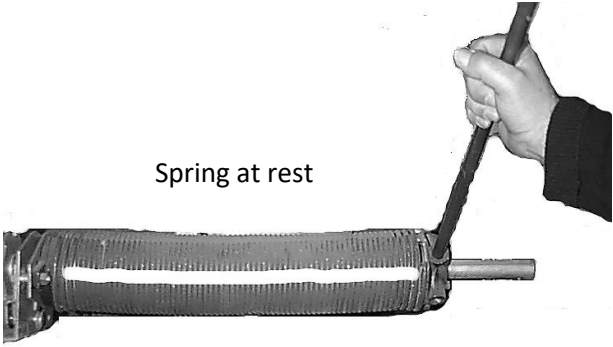
Install and tension the cables



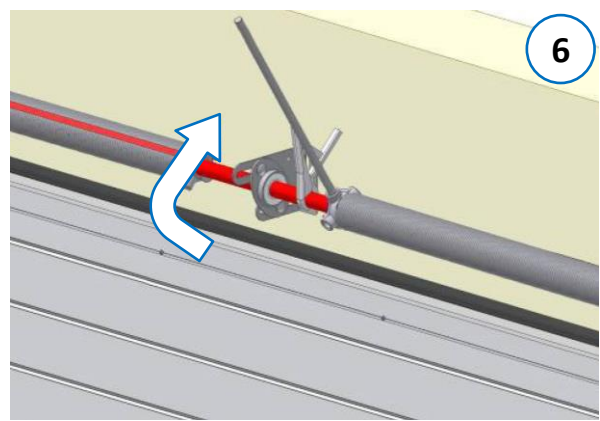
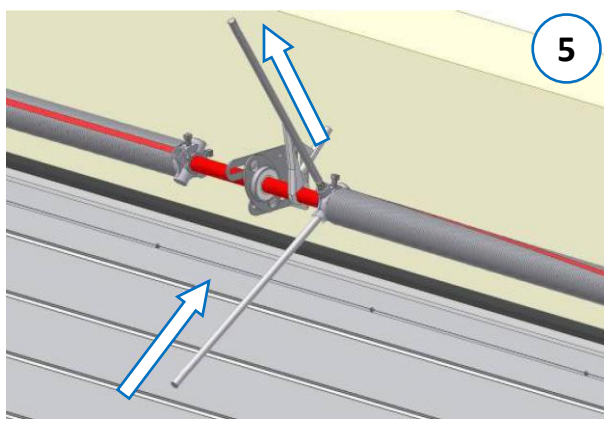
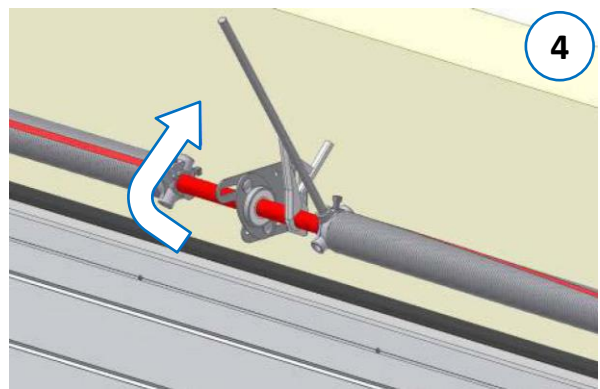
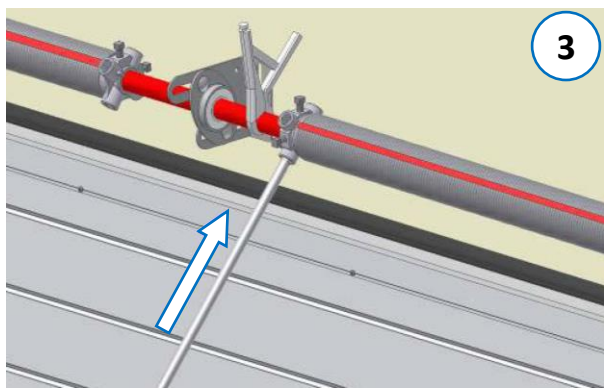
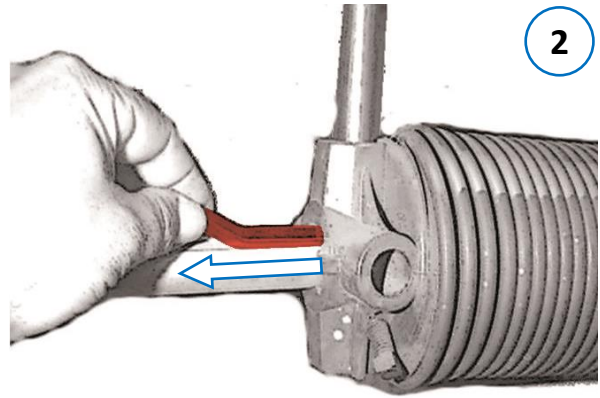
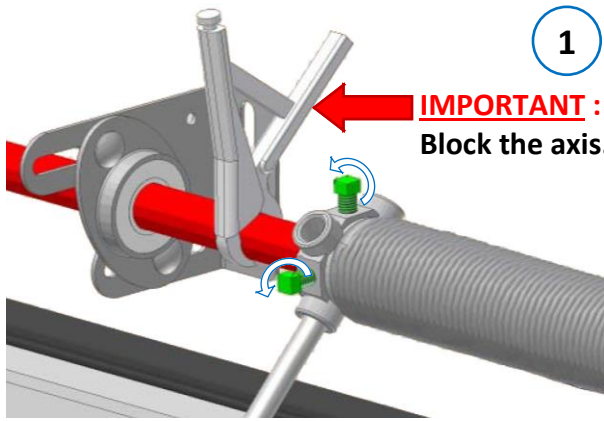
IMPORTANT : Drum notches must be aligned.

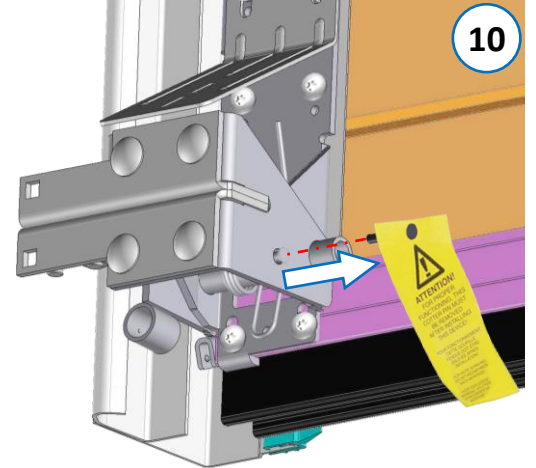
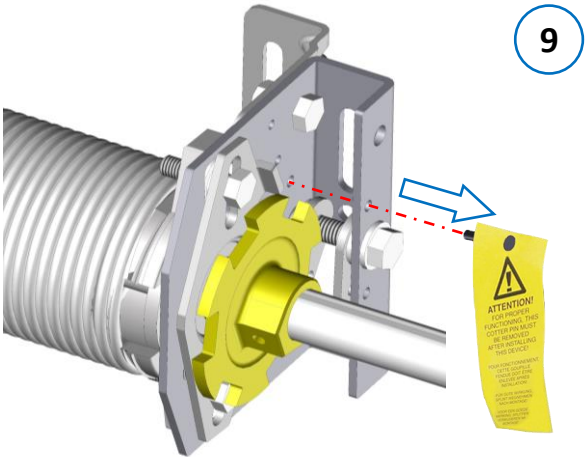
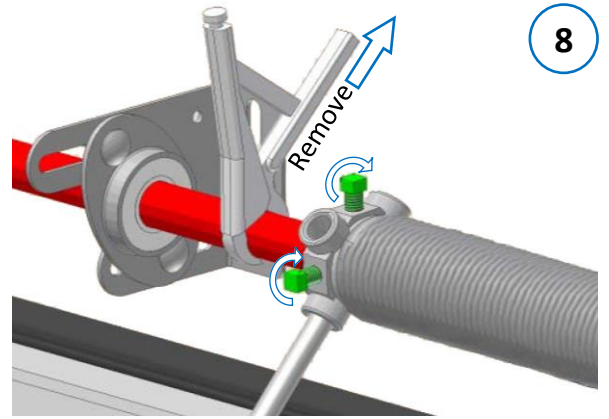
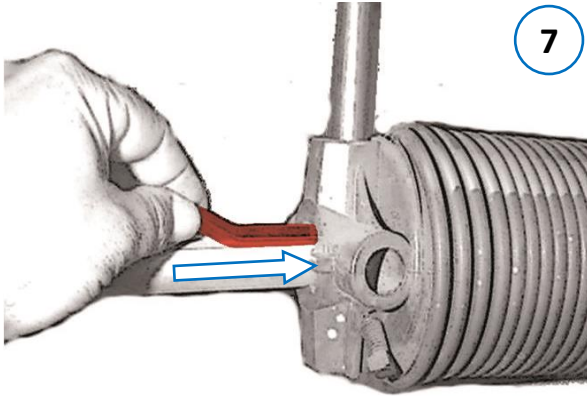


Principle : Determine the number of turns

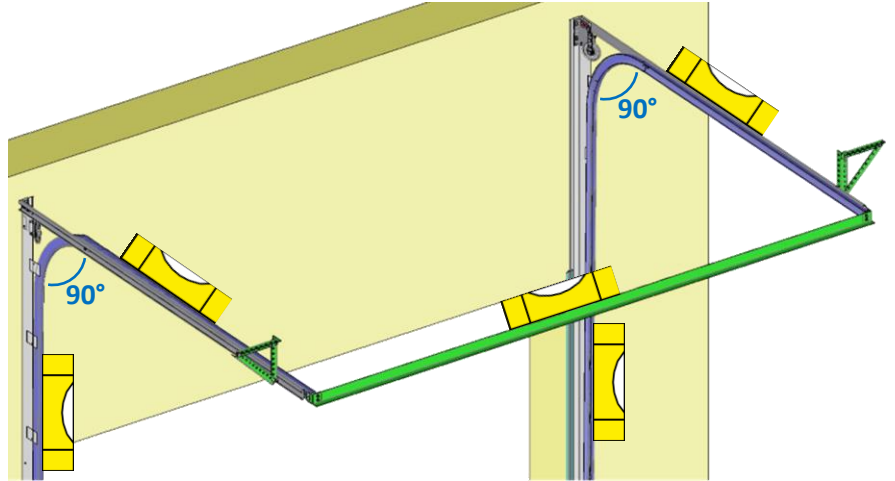
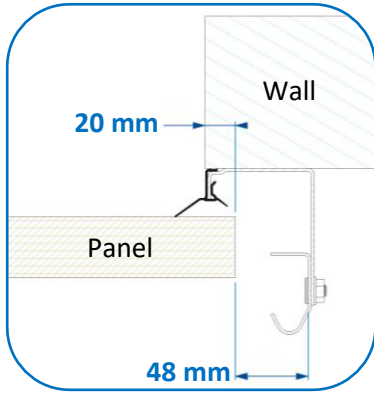
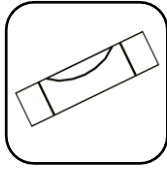


Tension the springs





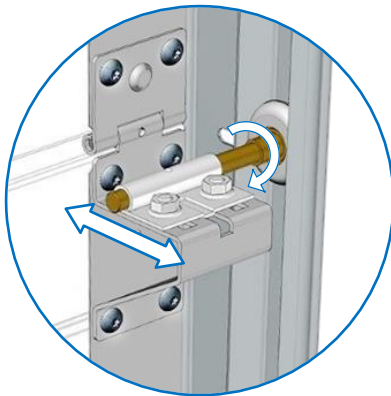
Control the plays and parallelism of rails



Adjust the roller guides

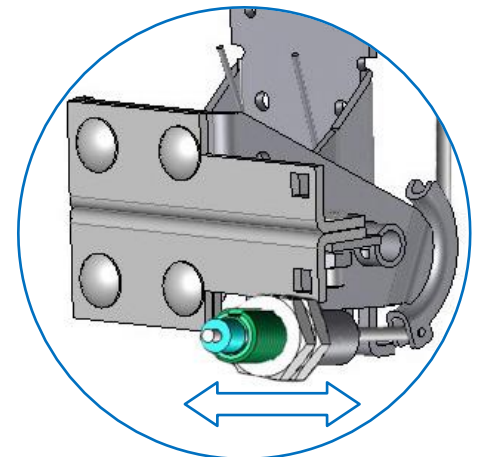
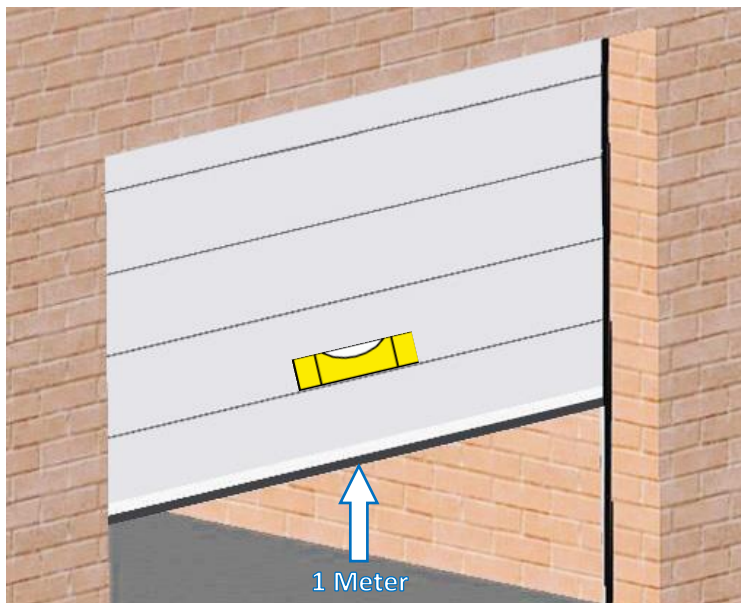
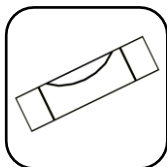


! Do not squash the apron on the exterior lateral joints.
The rod of the pebble must rotate.

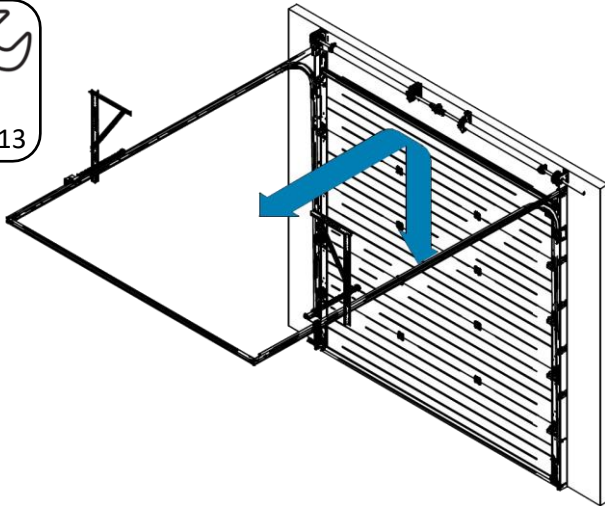


IMPORTANT :
Grease the springs
and the bottom of
the rail.

Adjust the horizontal level

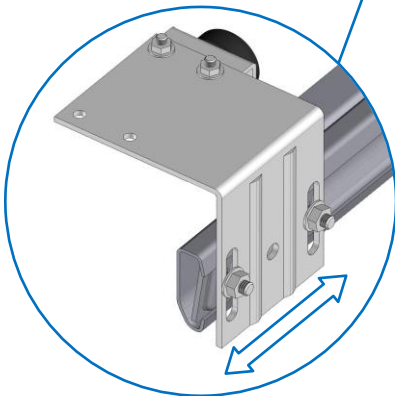
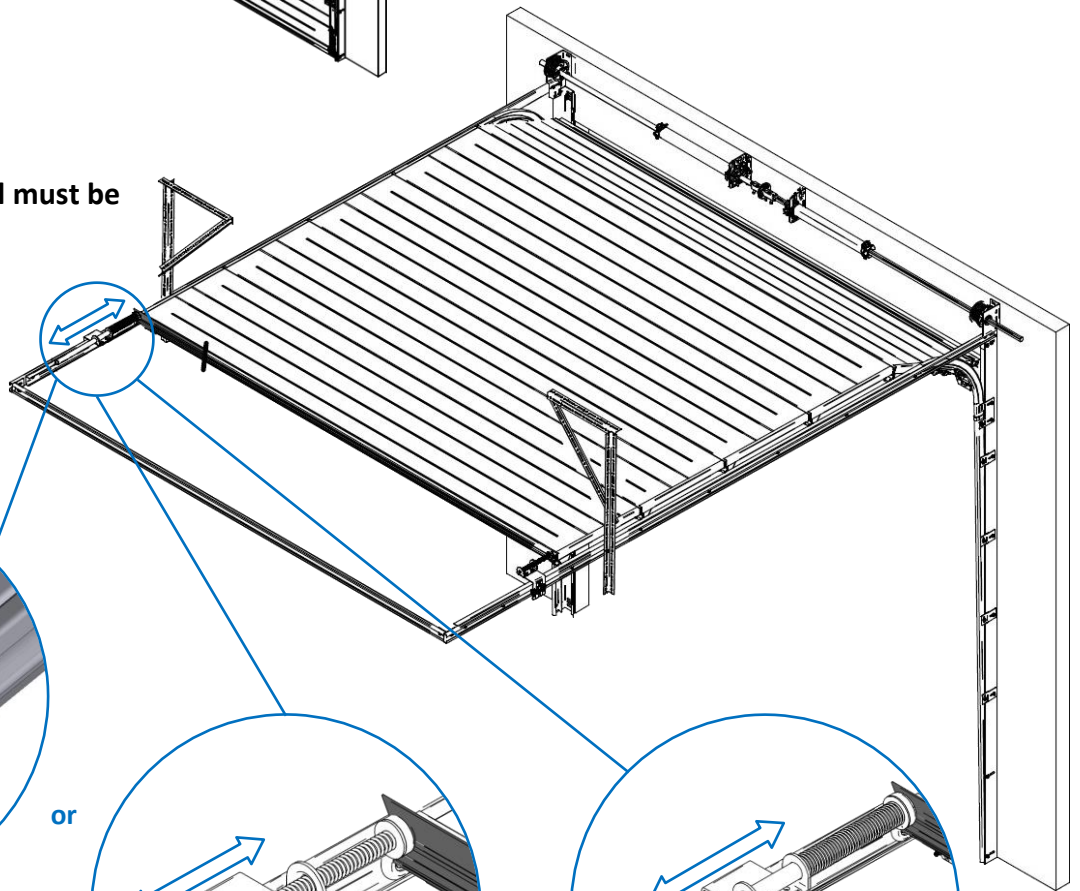


adjust the stops



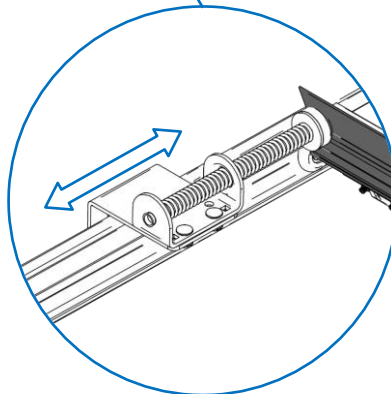
IMPORTANT :

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



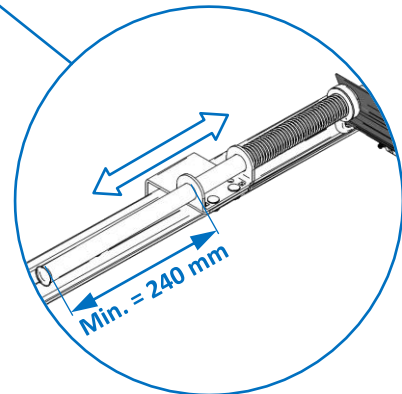
OP'Drive stop

or



Small stop

or

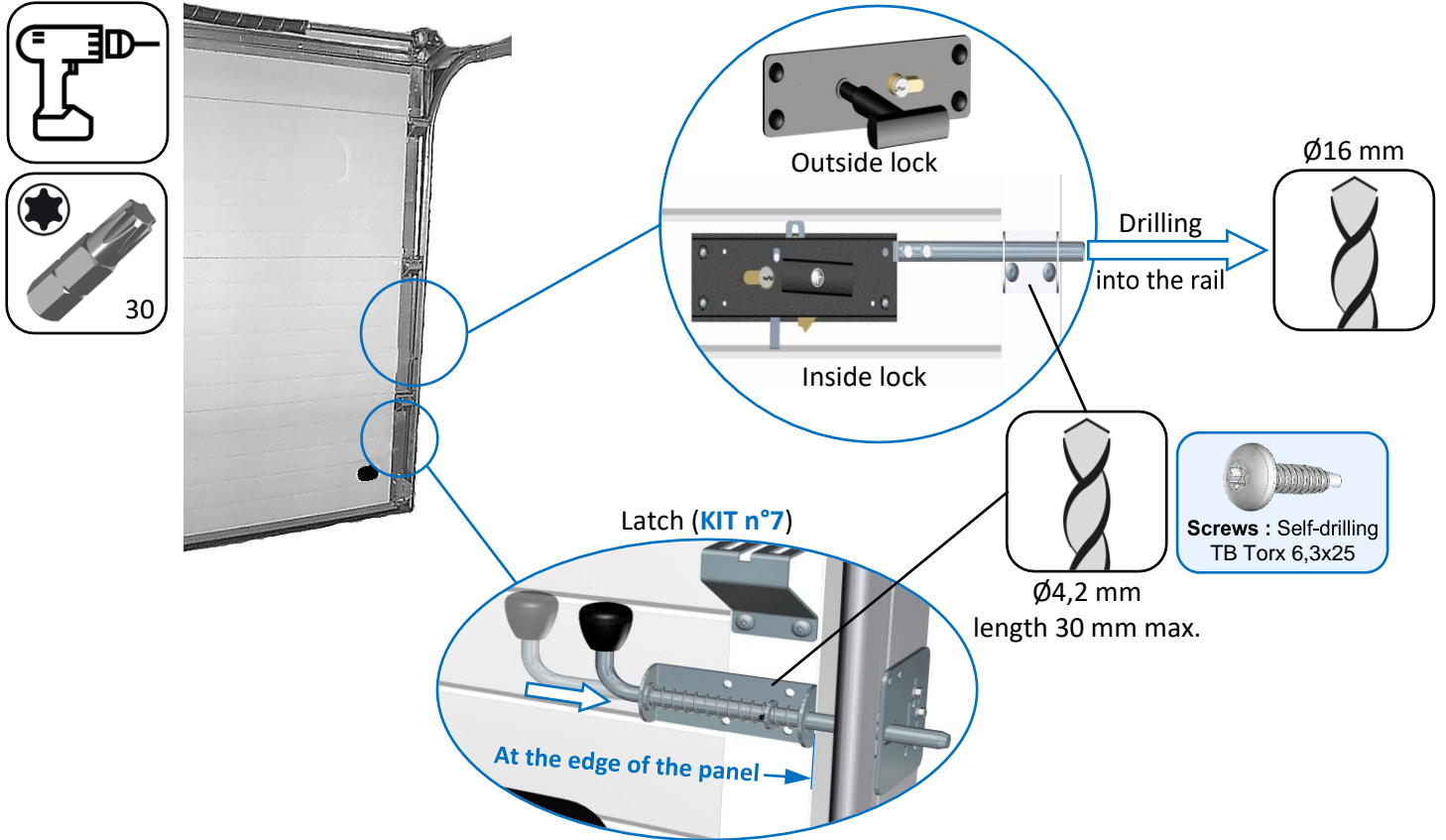


Large stop

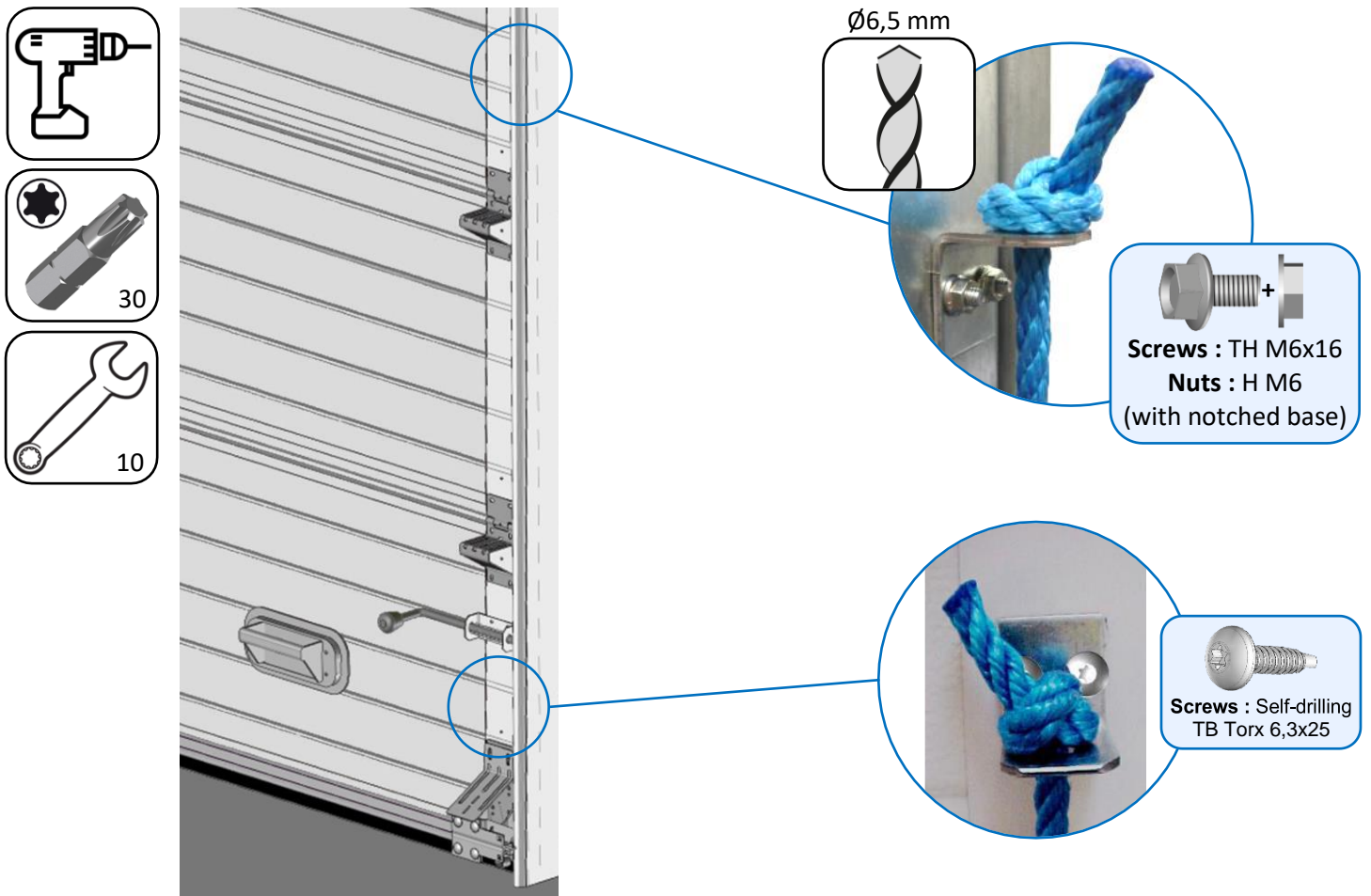


In case of insufficient compression, the door will derail on descent.

Option : Lock or Latch



Manual door : Mount the pull-cord



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 horizontal rails in relation to vertical rails and their spacings at 48 mm from the edge of the panel.
- Check that horizontal rails are parallel, level and perpendicular to the lintel.
- 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.

Risk of derailment :
 **In the case of an Indus motor or a winch, door raised, it is imperative that the door crushes the large stops of at least 240 mm, to be able relaunch the door in descent.**

Warning icon: exclamation mark inside a triangle :
 **In case of blockage of anti-fall, call a trained installer.**