

Manual No. 7003

10/23

INSTALLATION

Sectional door Industry



High & Gradient lift with OH > 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 exerced 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 lev



Plumb bob



Tape measure



Utility knife



Electric screwdriver



Socket



Cruciform bit



Flat wrench



Hexagonal bit



Perforator



Torx bi



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



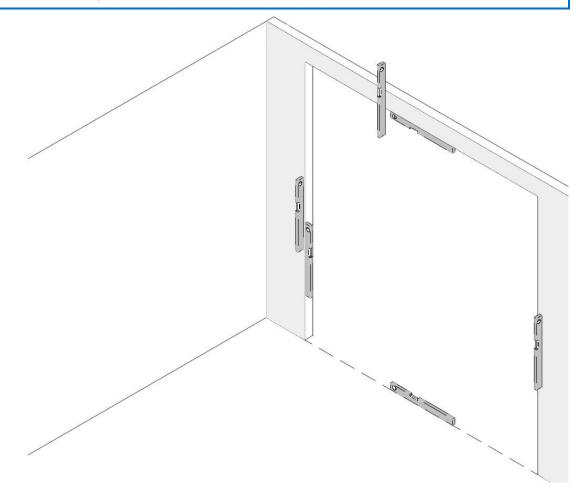
Rope

Ankles with screws



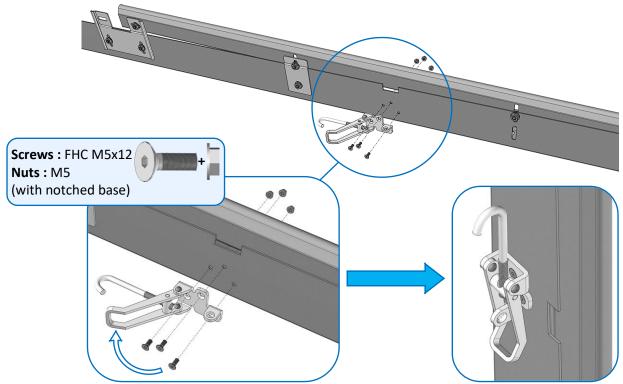
Control the levels





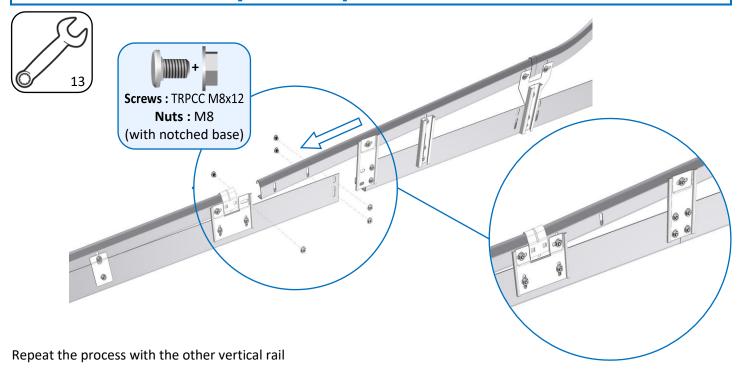
OP'Drive operator: Mount the emergency maneuver



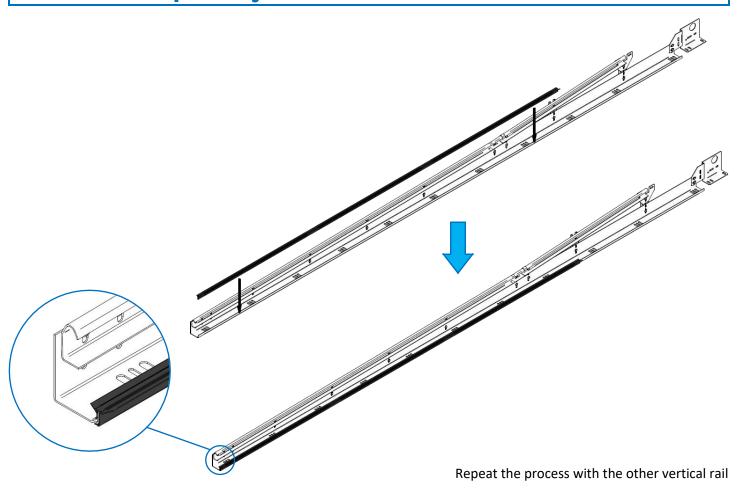




Assembly the top of the vertical rails

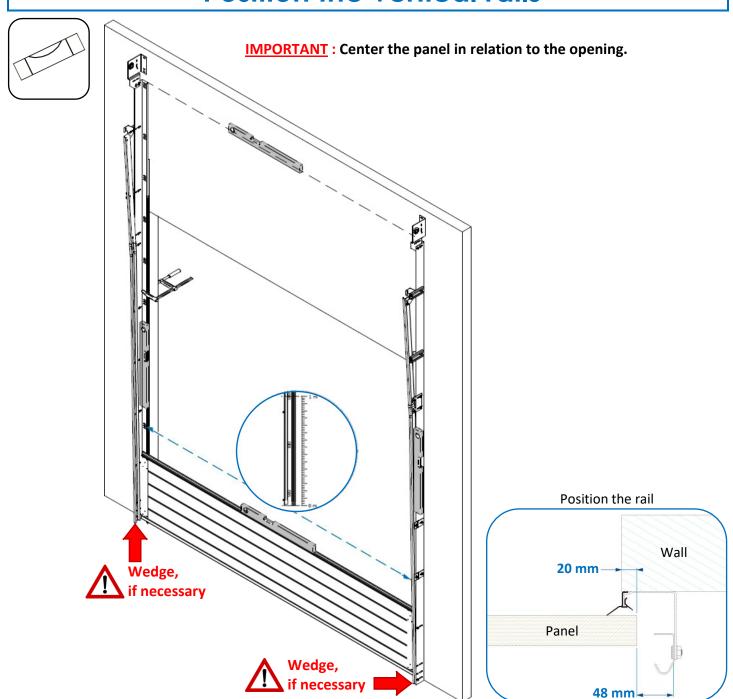


Clip the joints on the vertical rails



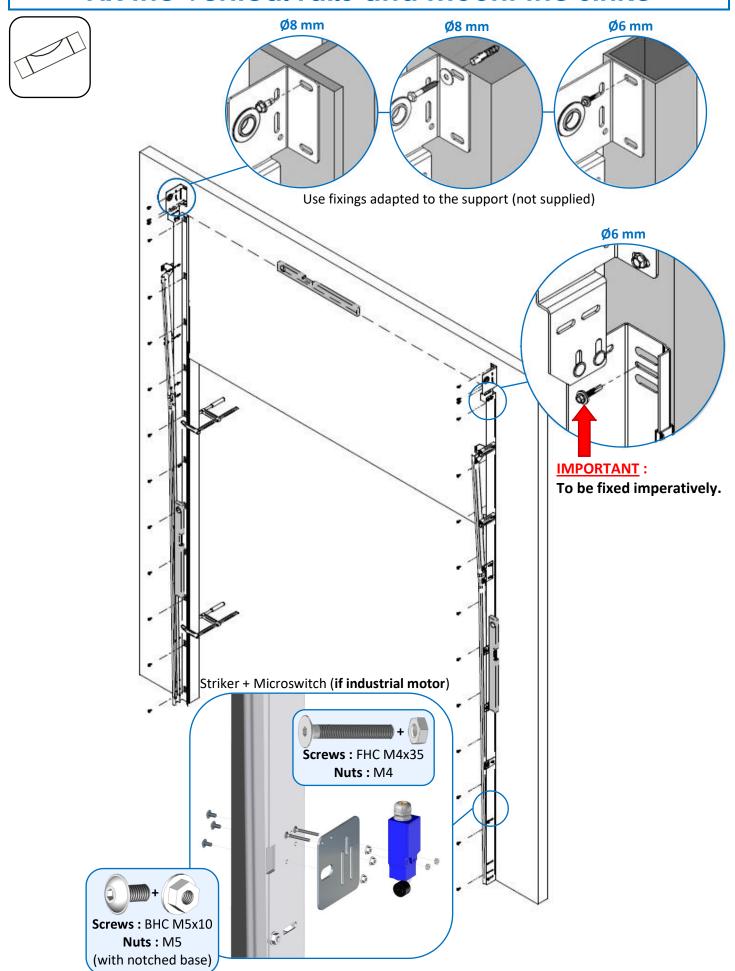


Position the vertical rails



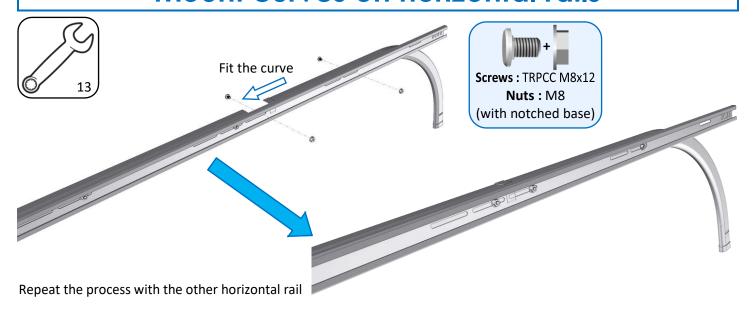


Fix the vertical rails and mount the strike

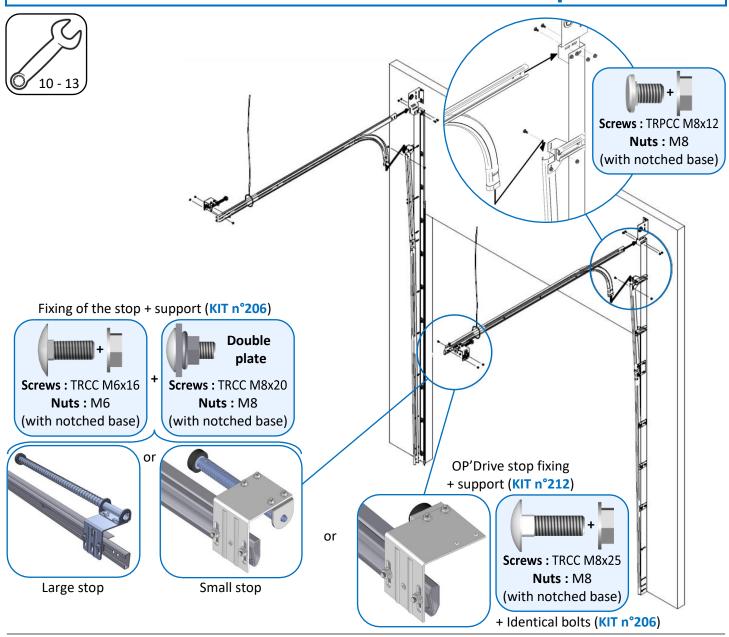




Mount curves on horizontal rails

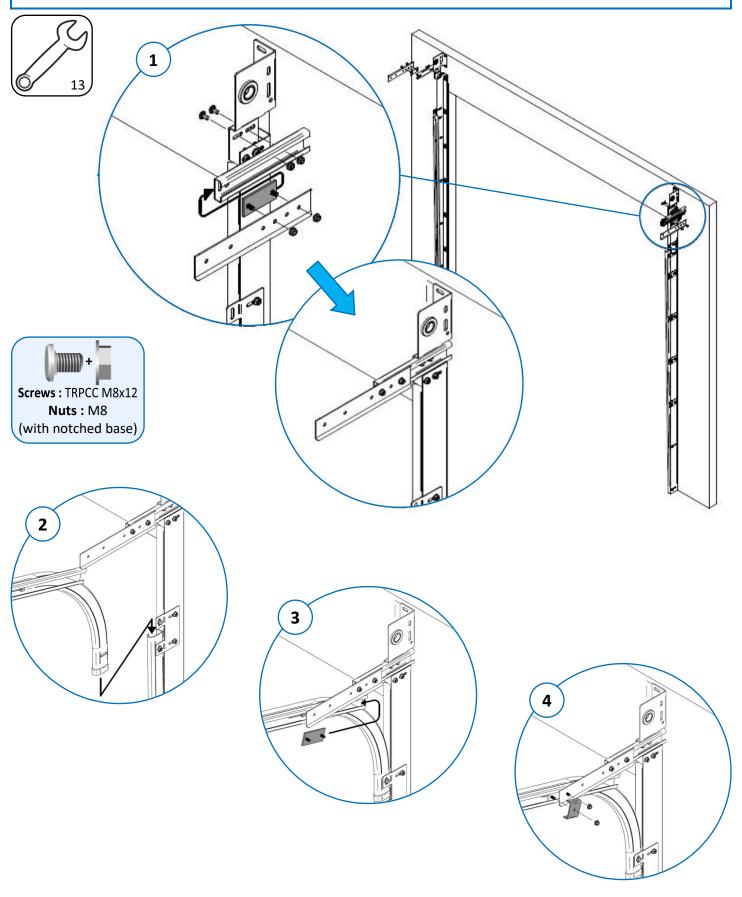


Mount horizontal rails and stops



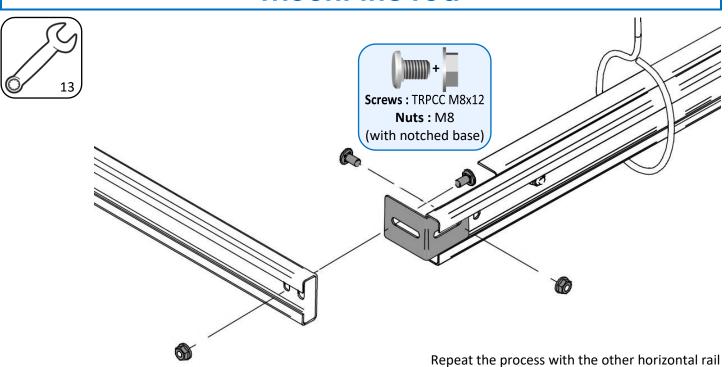


<u>Particular case</u>: <u>Gradient lift</u> Mount the horizontal rails

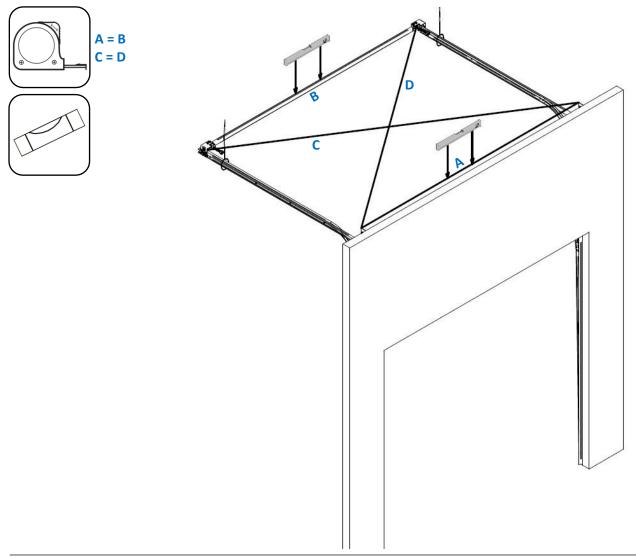




Mount the rod

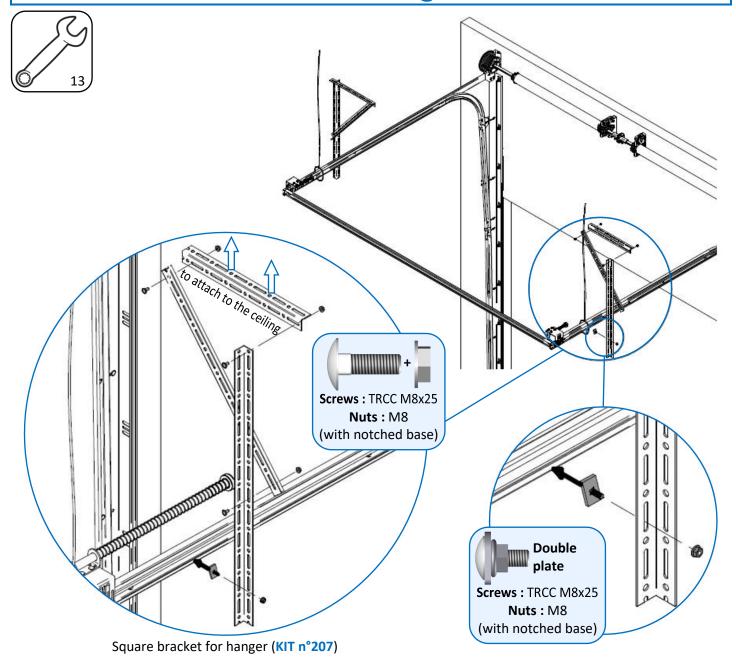


Check the diagonals



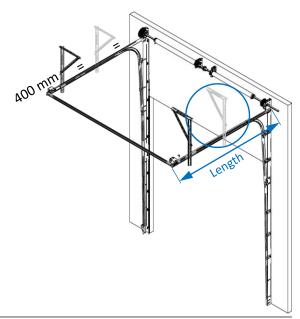


Fix the hangers



Number of hangers depending on the length of the horizontal rails:

- From 2,000 mm to 3,500 mm = 2 hangers (1 hanger on each horizontal rail)
- From 3,501 mm to 6,500 mm = 4 hangers (2 hangers on each horizontal rail)



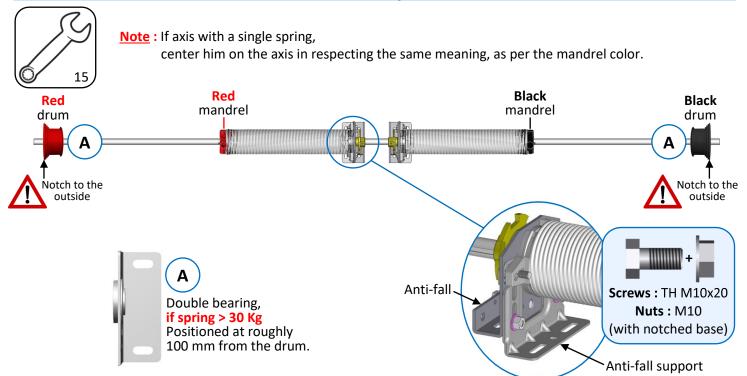


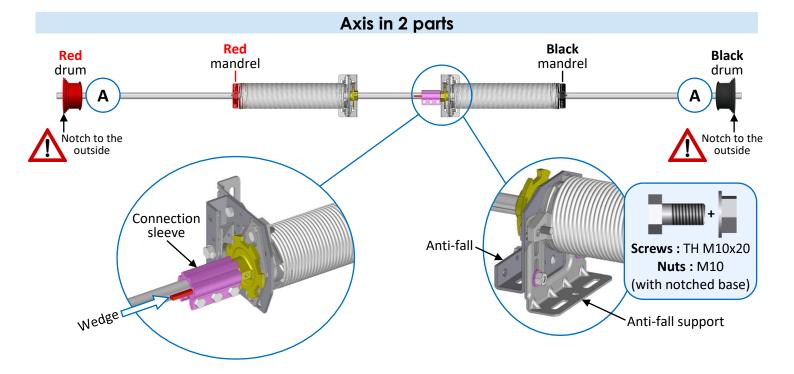
Prepare the compensation axis





Axis in 1 part

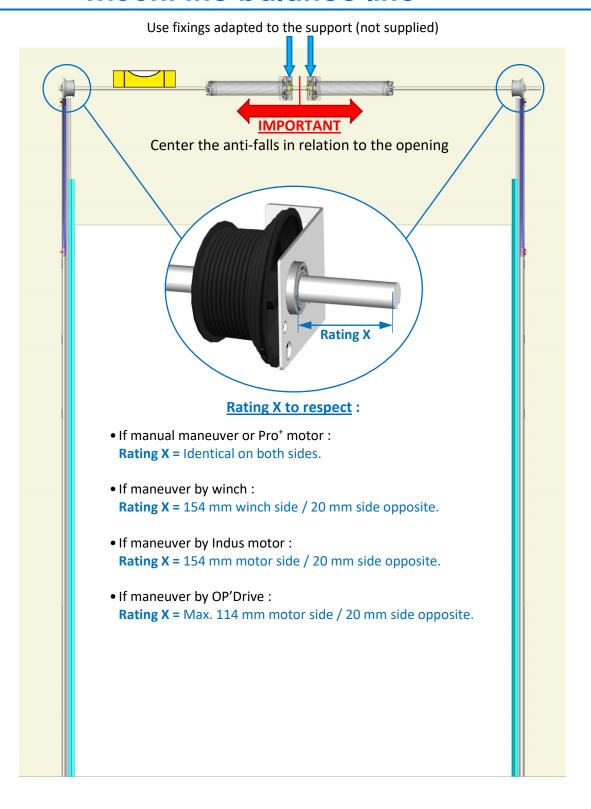






Mount the balance line







Prepare the panels



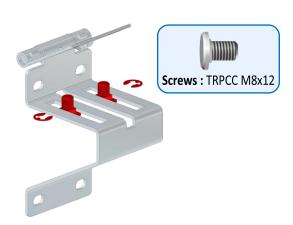


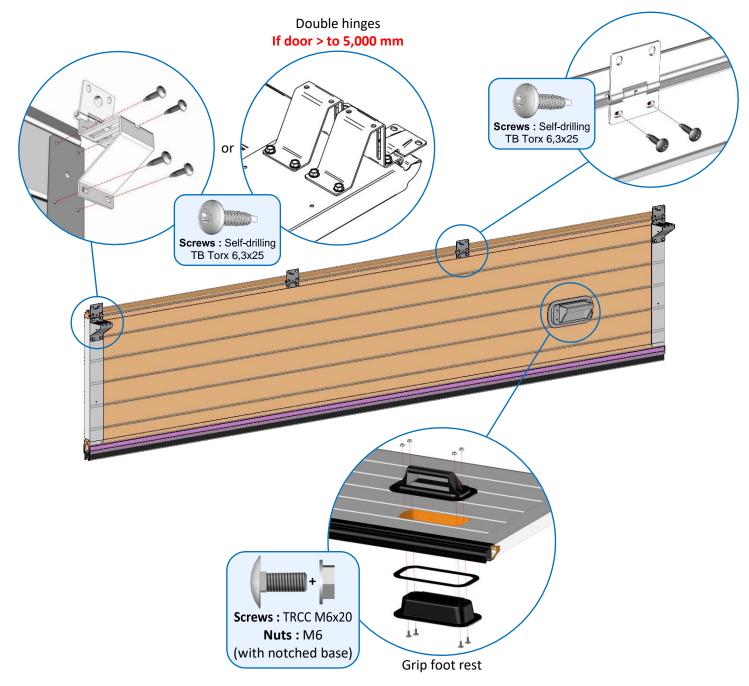




If glazed panel with stiffener:

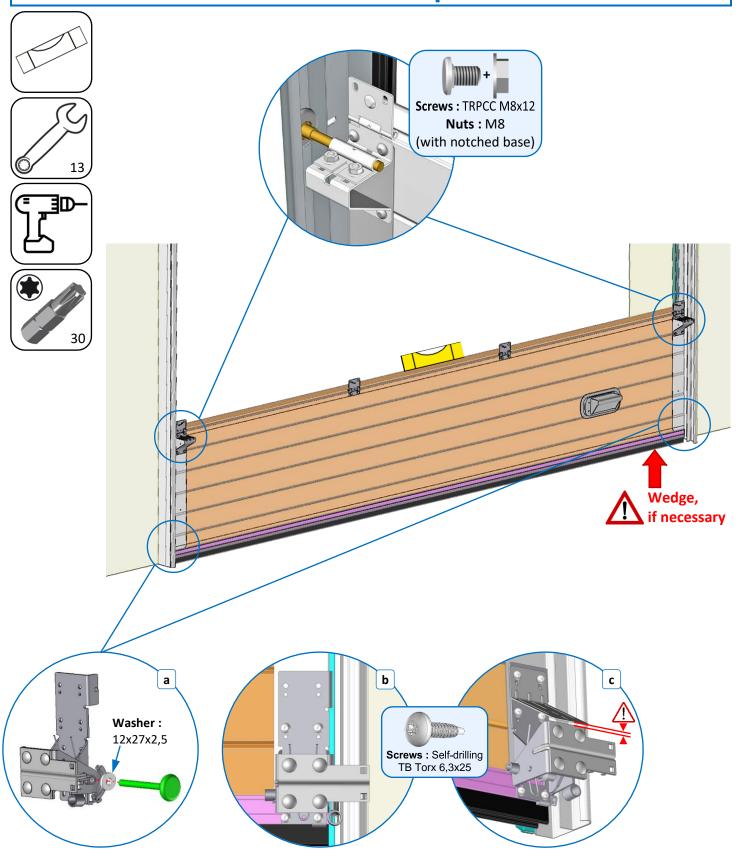
Before fixing the lateral hinges to the panels, mount the circlips on the screws.







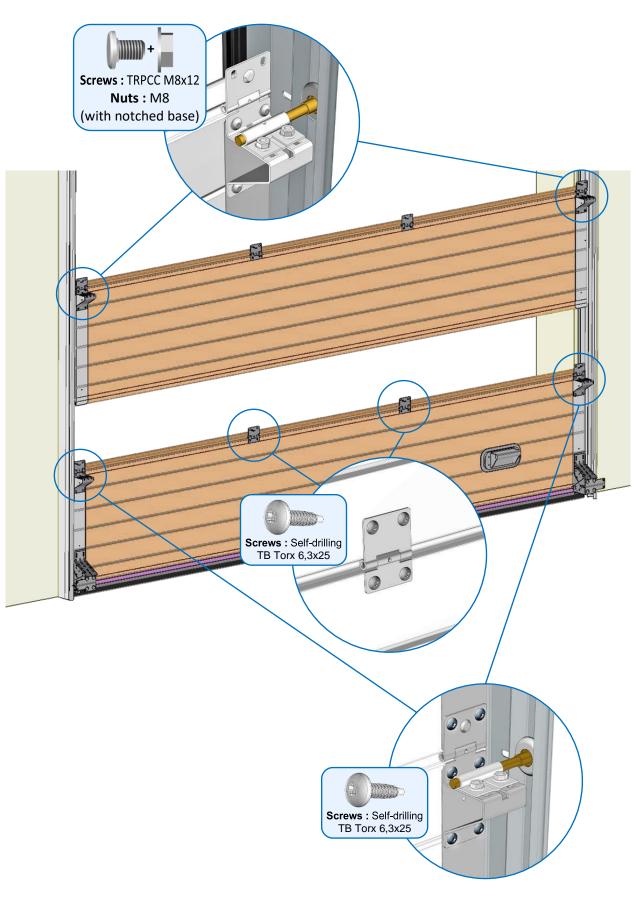
Mount the low panel





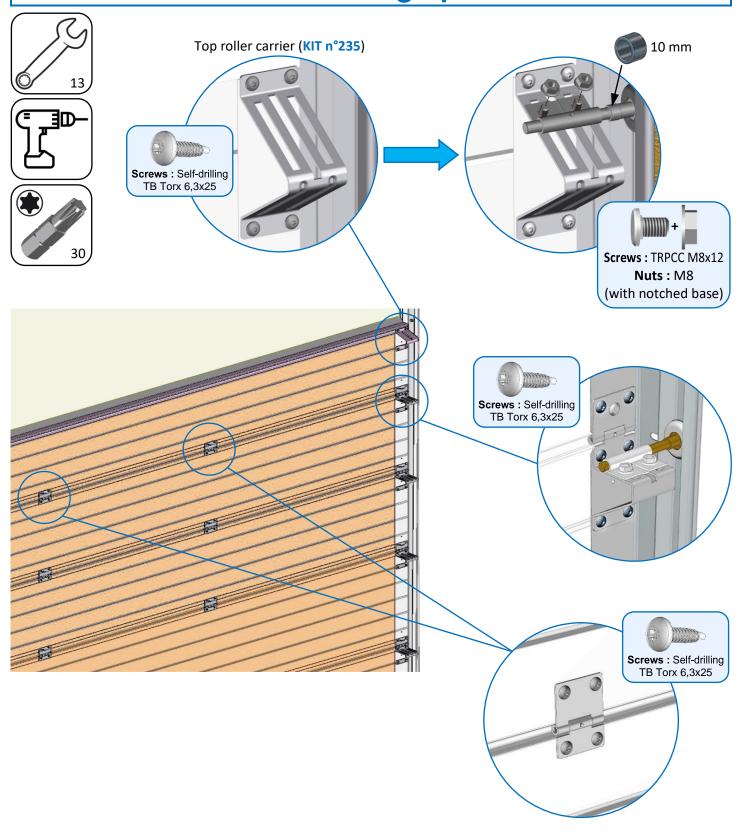
Mount the intermediate panels





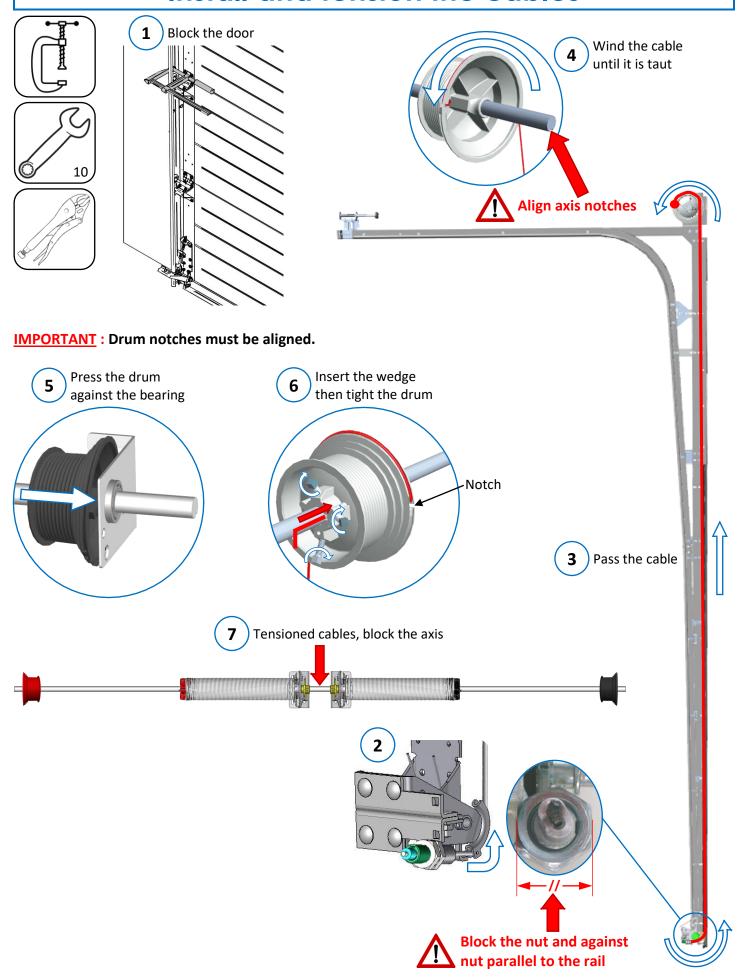


Mount the high panel



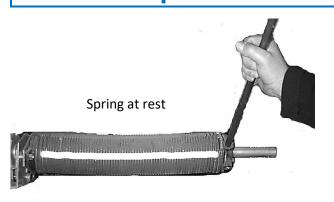


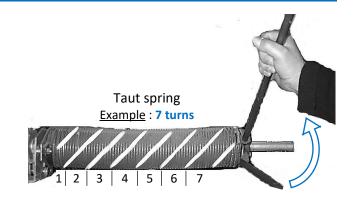
Install and tension the cables





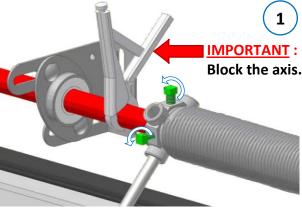
Principle: Determine the number of turns

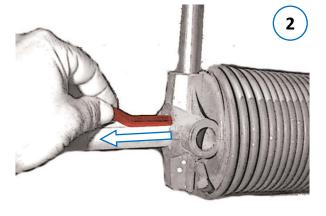


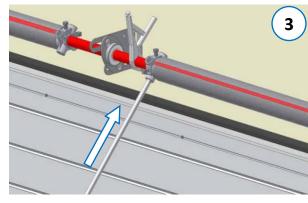


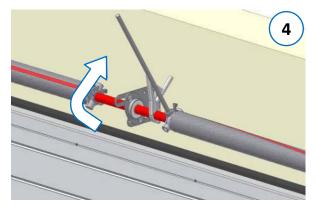
Tension the springs

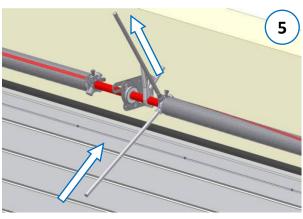


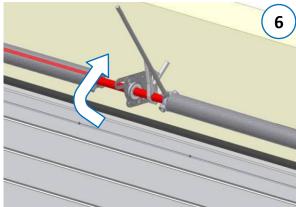




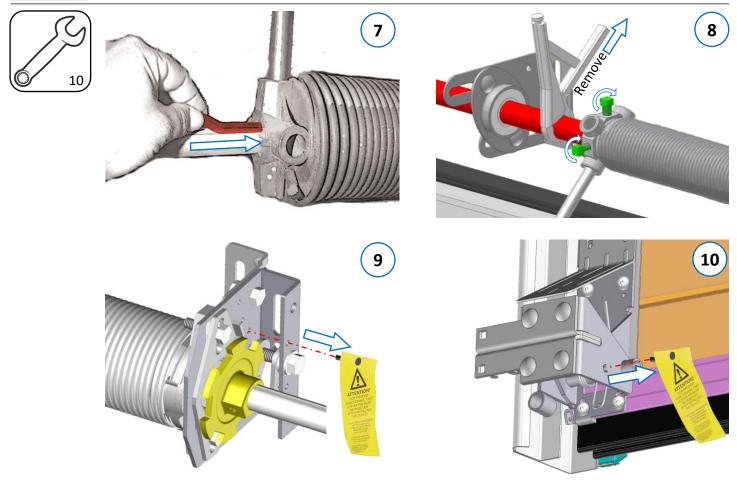




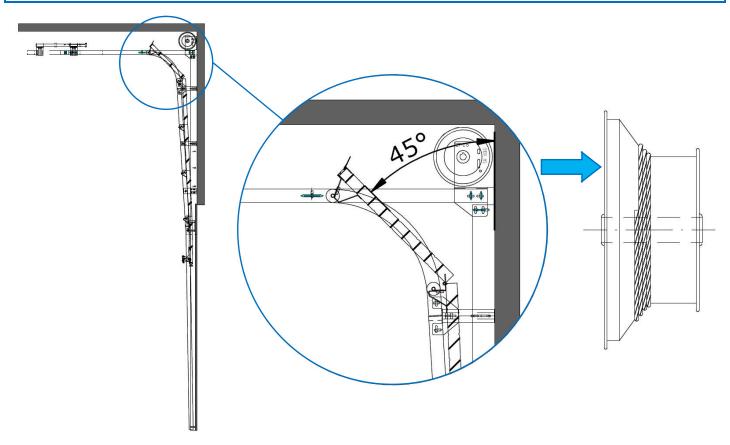






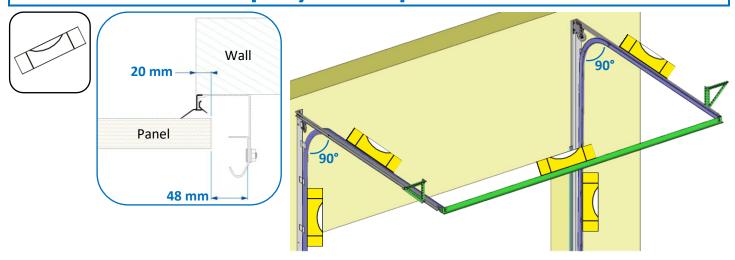


Check the winding of the cable





Control the plays and parallelism of rails

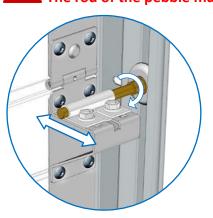


Adjust the roller guides



Do not squash the apron on the exterior lateral joints.

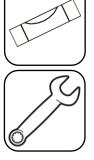
The rod of the pebble must rotate.

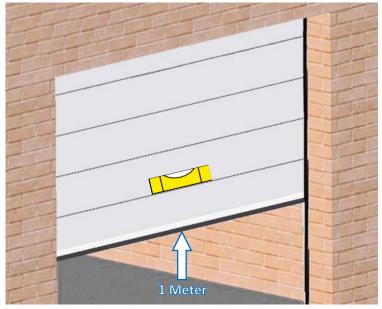


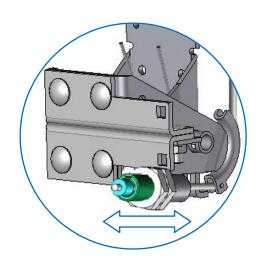


IMPORTANT:
Grease the springs
and the bottom of
the rail.

Adjust the horizontal level

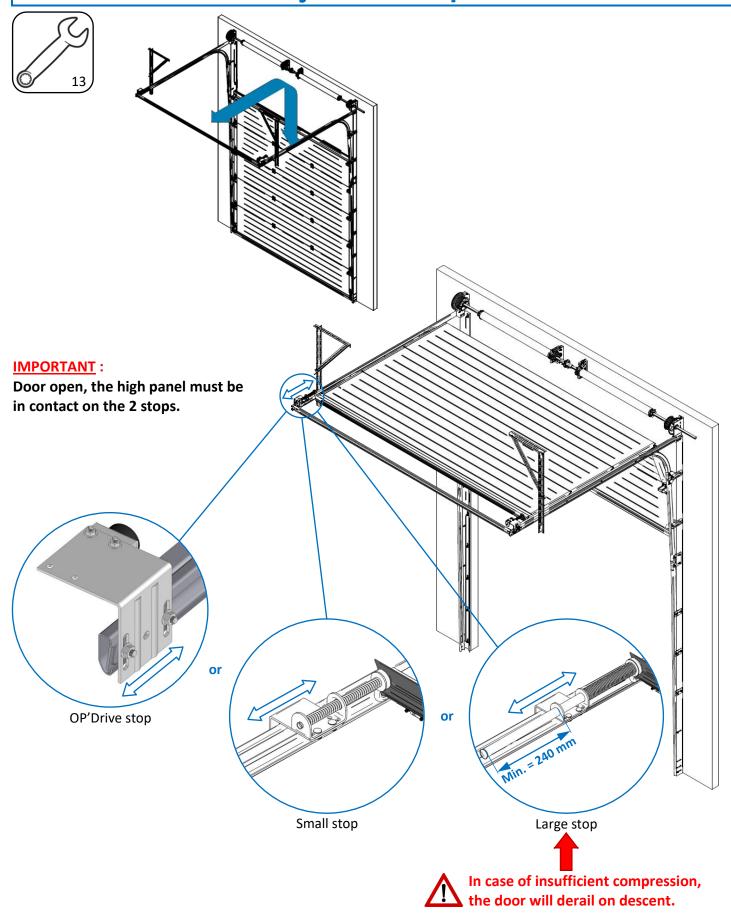






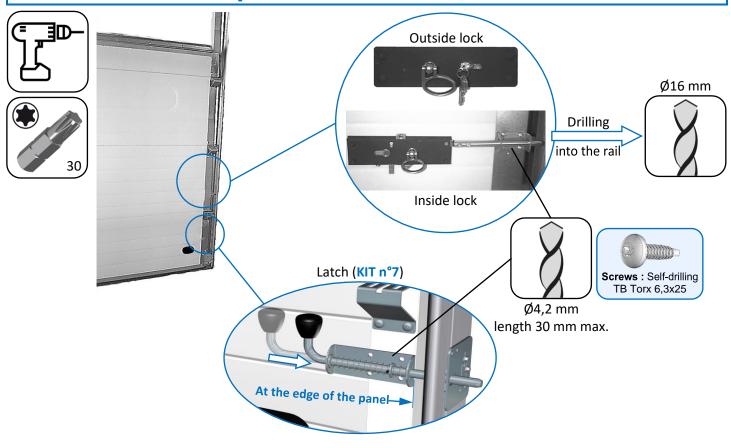


adjust the stops

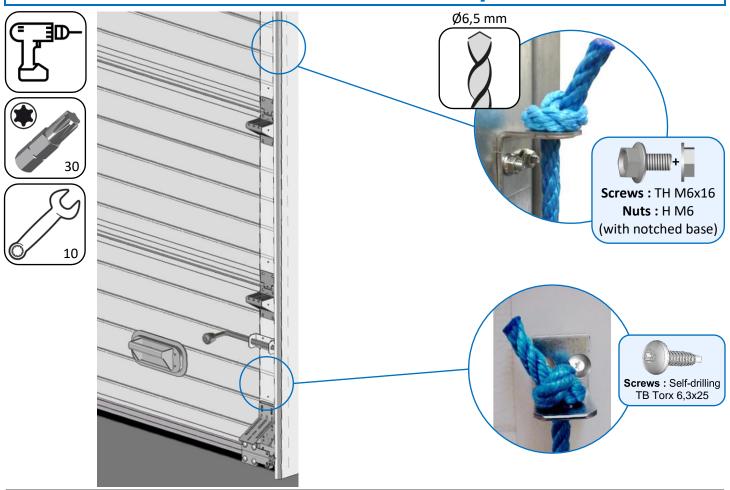




Option: Lock or Latch



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.

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

• Adjust the compensation setting by ¼ turn on the springs, to obtain a manual maneuver with less effort.

IMPORTANT: Difference of tolerated turns between springs = ½ 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.



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