LA TOULOUSAINE

05/17

Manual : N° 7001

INSTALLATION

SECTIONAL DOORS
INDUSTRY & LARGE VILLA

Standard & Gradient lift
High & Gradient lift
(with RL ≤ 1070 mm)

(Document reserved for installers)

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Material needed

- Ladders + 2 trestles
- Clamps and pliers
- Laser or bubble level
- Plumb line
- Rope
- Tape measure (5M or 8M)
- Hammer drill
- Screwdriver equipped with a Torx tip of 30
- Ankles with appropriate screws and concrete drills
- Hammer
- Hacksaw
- 5 mm wood shims
- 10 mm and 13 mm flat keys
- 10 mm et 13 mm pipe wrenches
- Drill steel Ø4,2 mm maximum length 30 mm
- Ø6,5, Ø8, Ø10, Ø11 and Ø16 mm drill steel
- Screwdriver
- Grease with brush + Lubricating bomb
- Angle grinder
- Universal clamp
- Oil can
- Silicone joint

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Installation instructions

WARNING !

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

* Before beginning the assembly, read this manual carefully.

* This closure must be installed by a professional technician.

* All the parts delivered are specifically sized for this product.
  Adding and/or using other parts may be detrimental to safety and may affect the product's warranty.

* Any modification or improvement of this closure must be compliant with the standard EN 13241 + A2.
  In this case, a "modification/transformation" file must be created by the installer as per the standard EN 12635 annex C.

* The torsion springs exert considerable force.
  This work must therefore be carried out in accordance with the safety instructions.
  Use the appropriate tools to install these products.
  Ensure that the work is carried out on a stable floor.

* Ensure that the assembly area is adequately lit, clear, clean and clearly marked out.

* Ensure that no other people are present at the assembly site apart from the installers.
  Non-authorized persons (children for example !) who are present at the site risk injury during assembly.

* All the components of this closure must be installed in compliance with the installation instructions provided in this manual.

* All the requirements of the standards EN 13241 + A2 must be met and verified if necessary.

Max. locking torque :
- Assembly screw : **10 Nm**
- Shutter assembly screw : **12 Nm**

Min. working load per attachment point :
- Compensating shaft : **300 daN**
- Rails : **40 daN**

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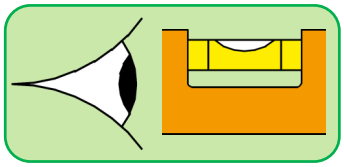
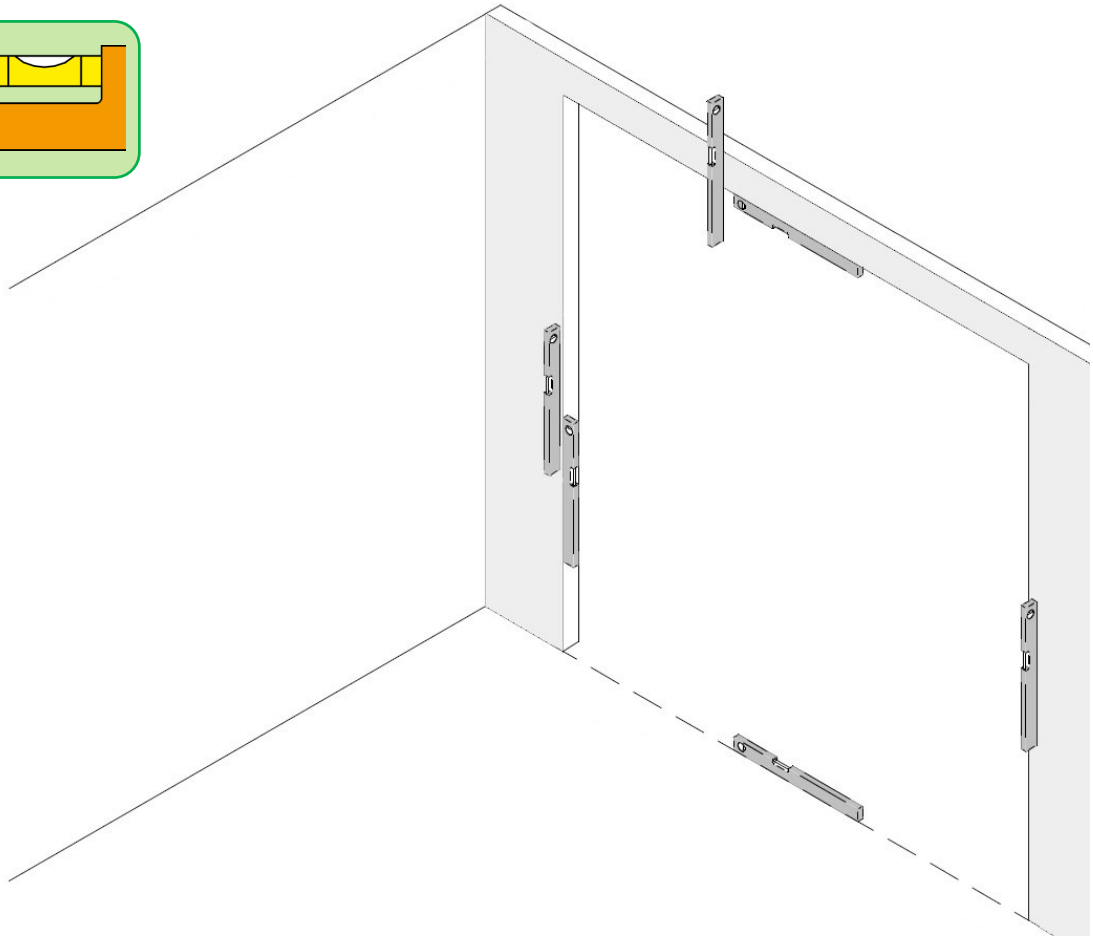
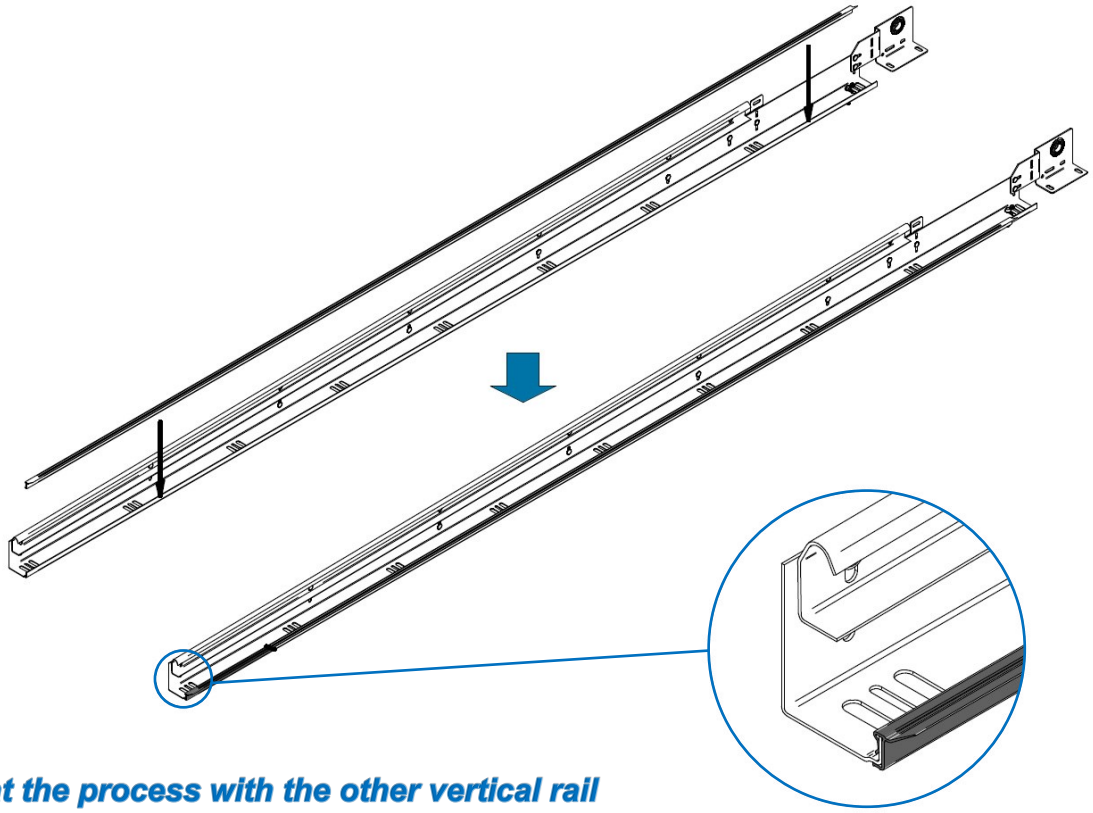
Levels control





Installing the joint (vertical rails)



Repeat the process with the other vertical rail

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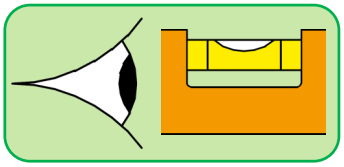
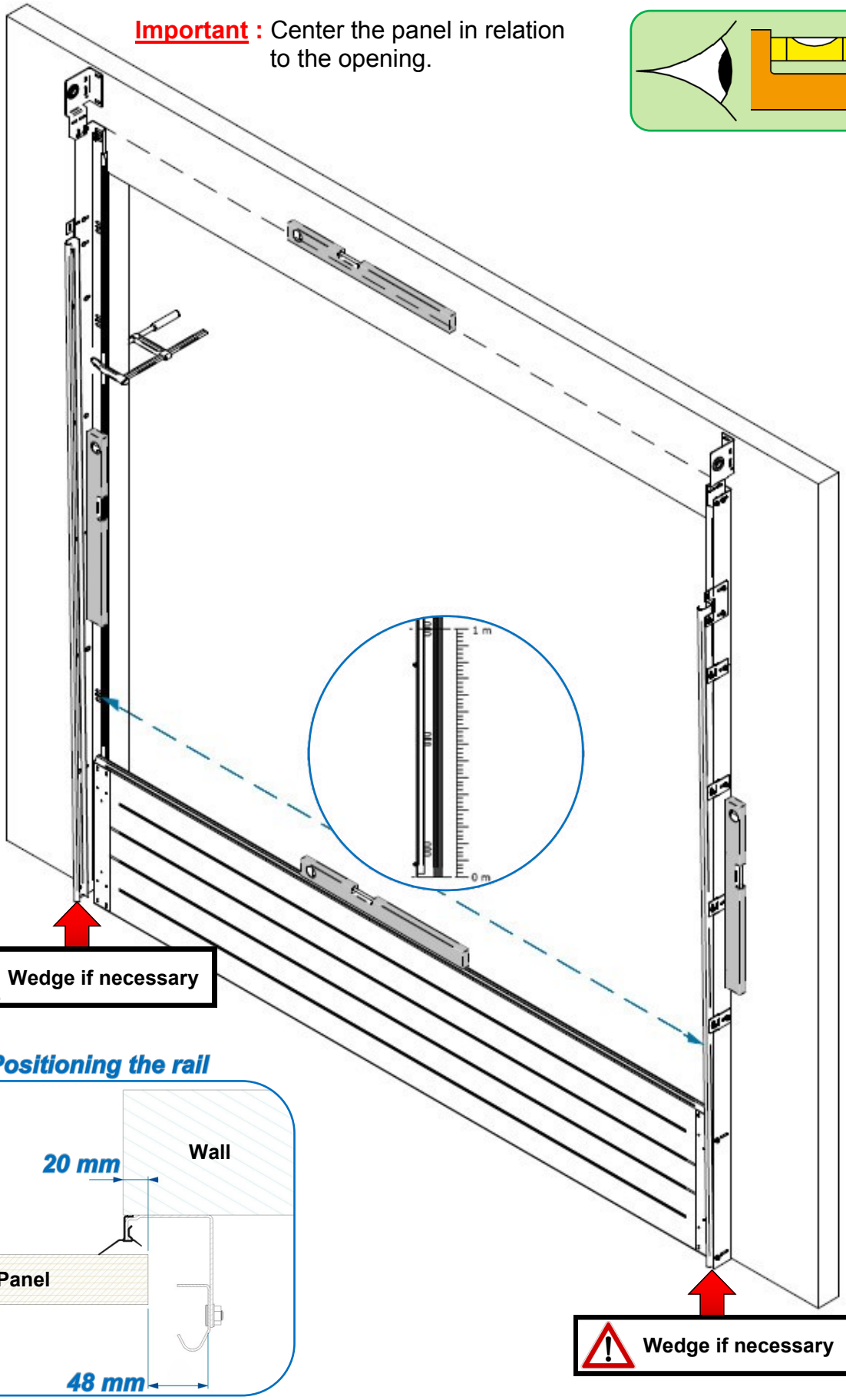
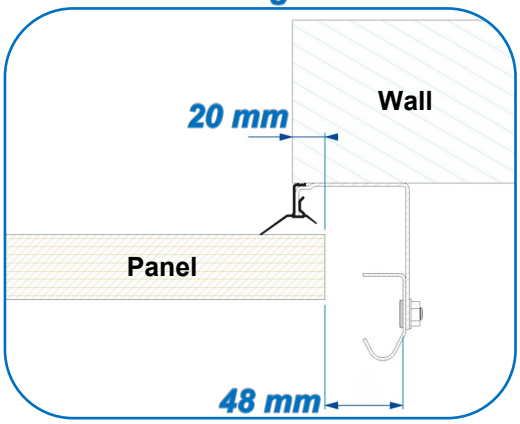
Positioning (vertical rails)

Important : Center the panel in relation to the opening.





Positioning the rail



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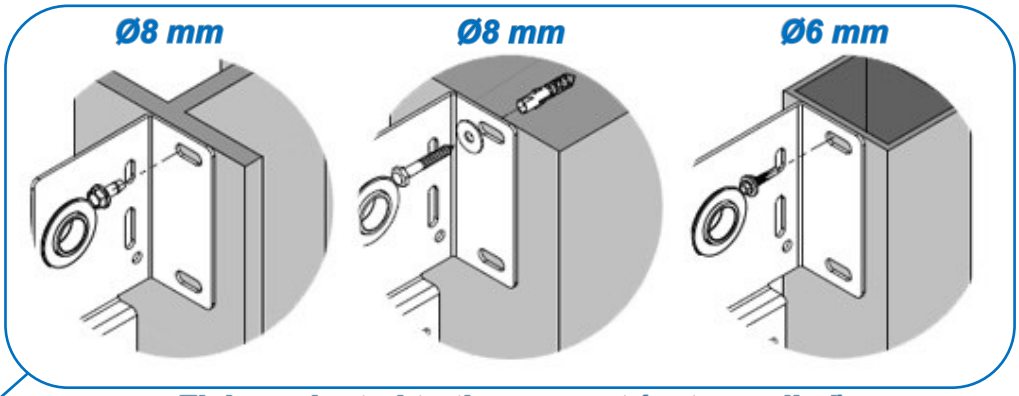
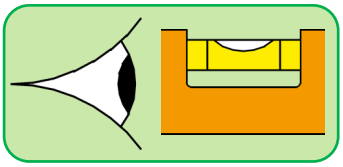
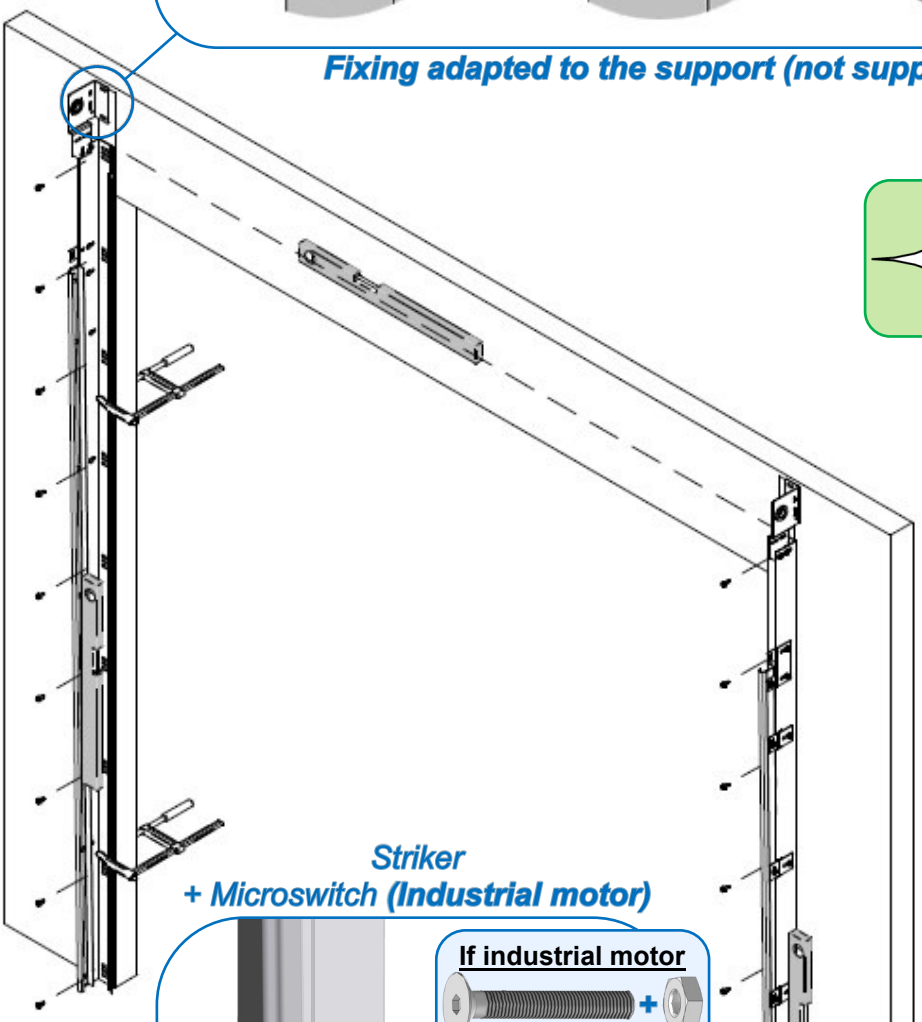
Fixing (vertical rails) + Mounting (striker)

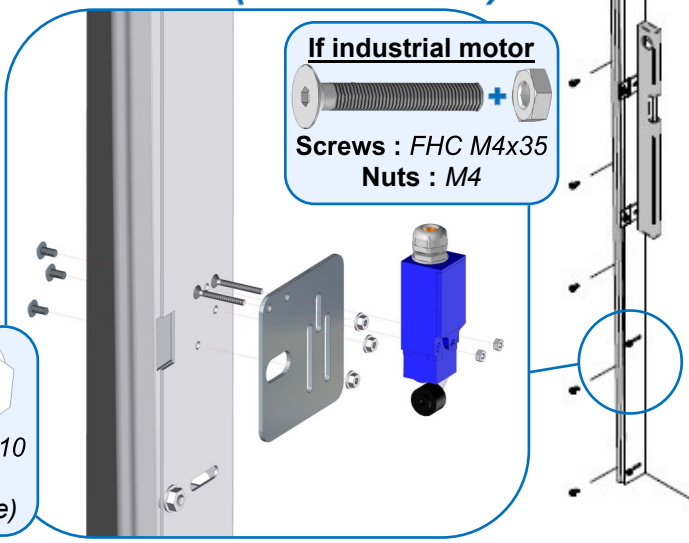


Fixing adapted to the support (not supplied)



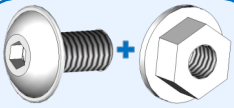


Striker
+ Microswitch ***(Industrial motor)***



If industrial motor

Screws : *FHC M4x35*
Nuts : *M4*



Screws : *BHC M5x10*
Nuts : *M5*
(with notched base)

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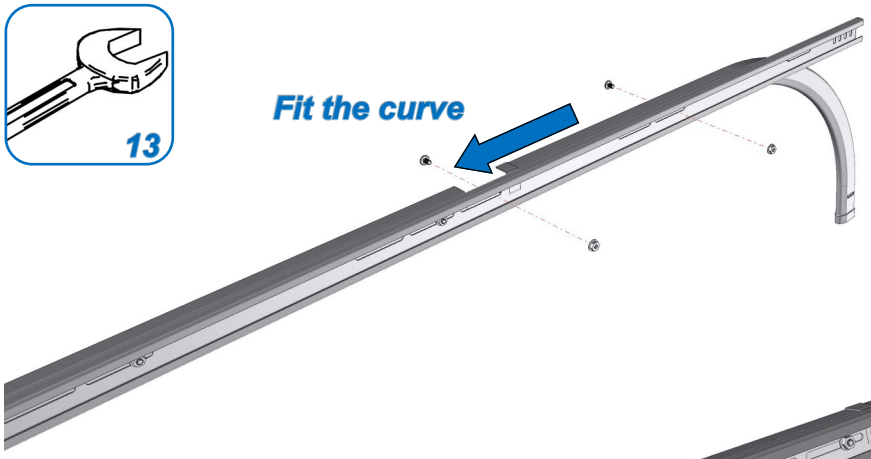
Curves mounting (horizontal rails)

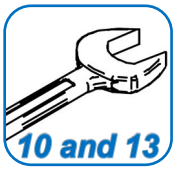
Fit the curve

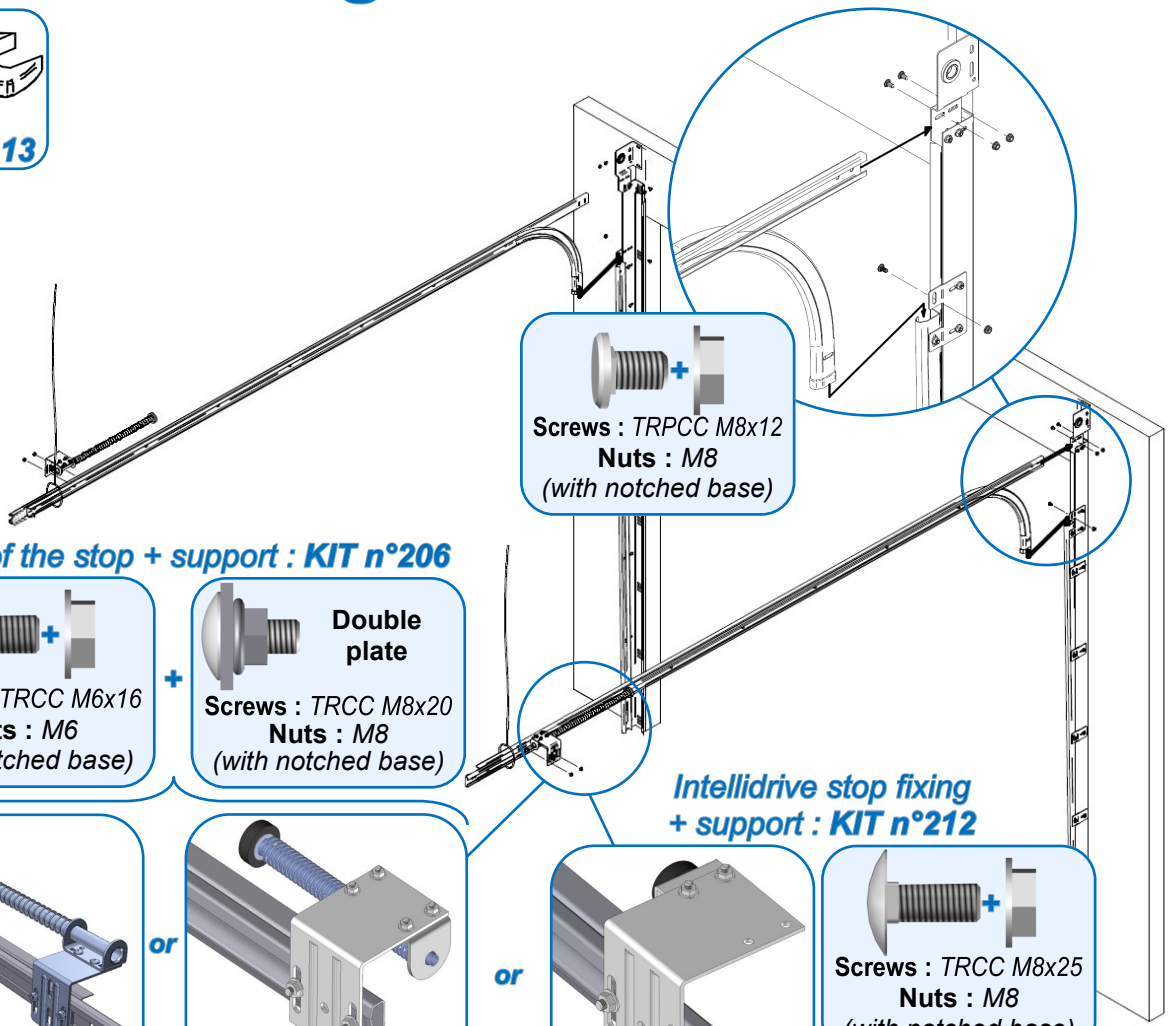


Screws : *TRPCC M8x12*
Nuts : *M8*
(with notched base)

Repeat the process with the other horizontal rail

Mounting (horizontal rails + stops)





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

Fixing of the stop + support : KIT n°206

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

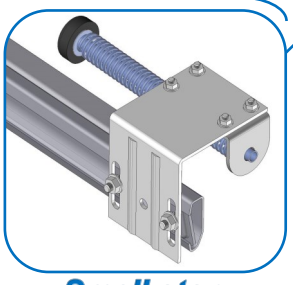
+

Double plate

Screws : *TRCC M8x20*
Nuts : *M8*
(with notched base)

Large stop

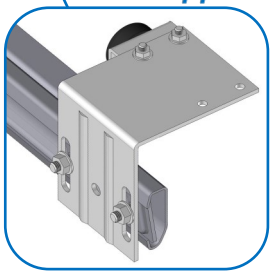
or



Small stop

or

Intellidrive stop fixing + support : KIT n°212



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

+ Identical bolts (KIT n°206)

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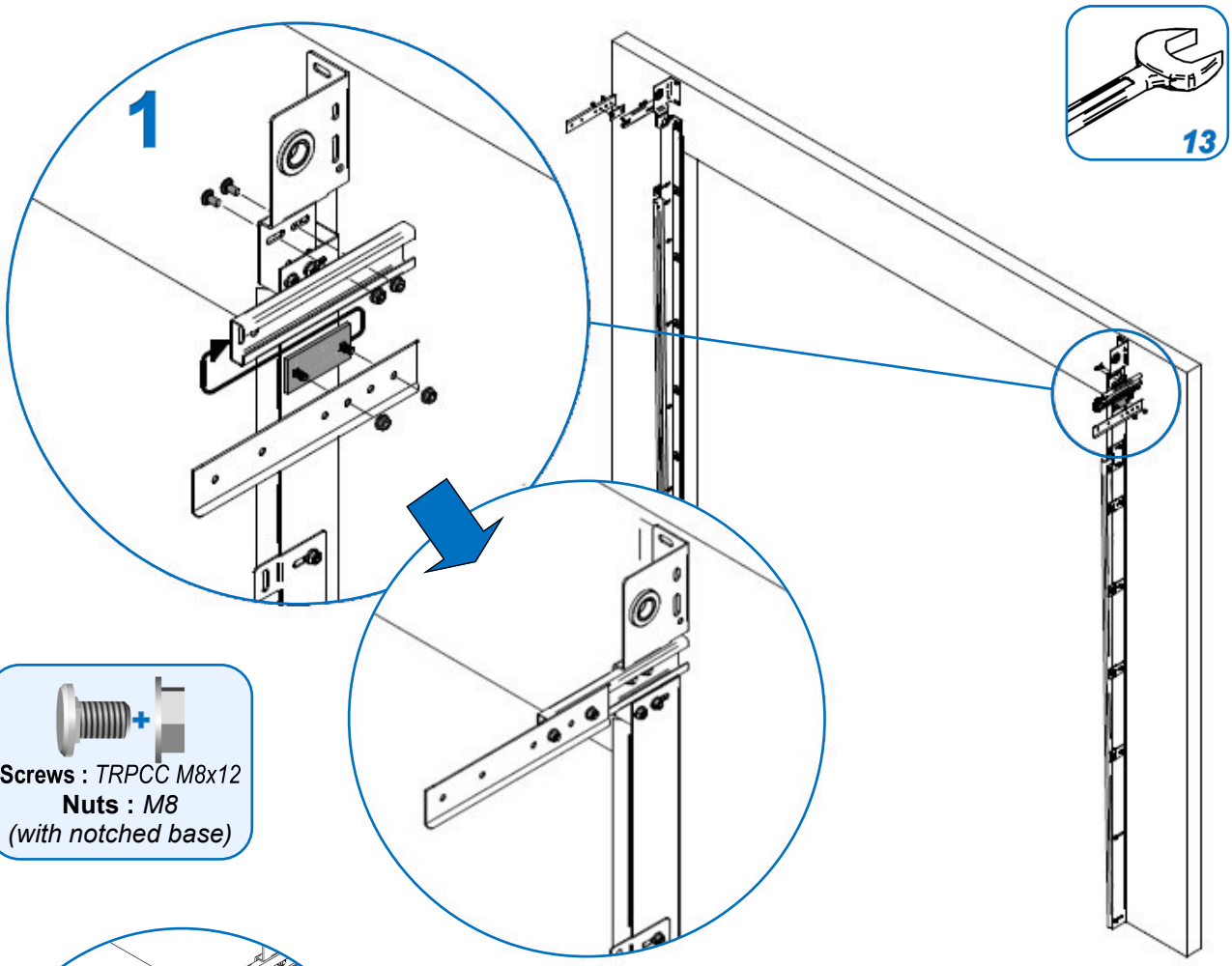
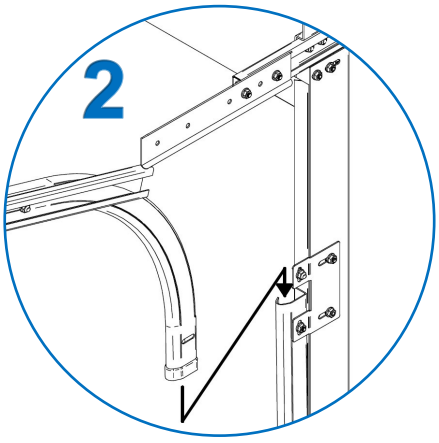
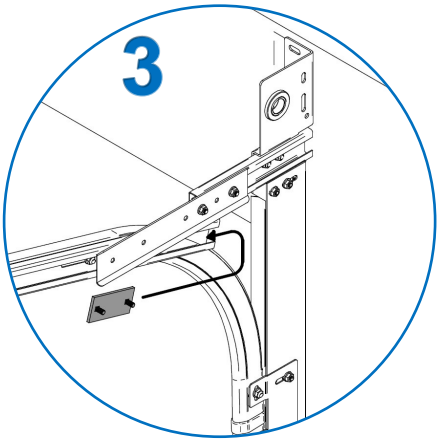
Particular case

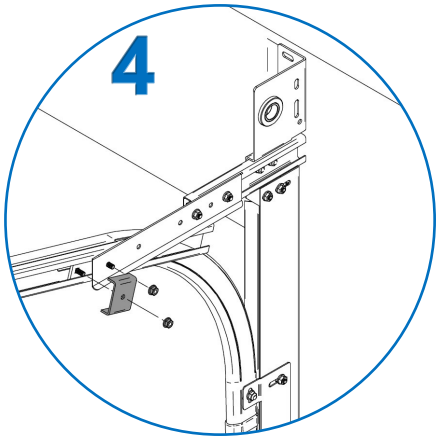
Gradient lift (horizontal rails mounting)



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







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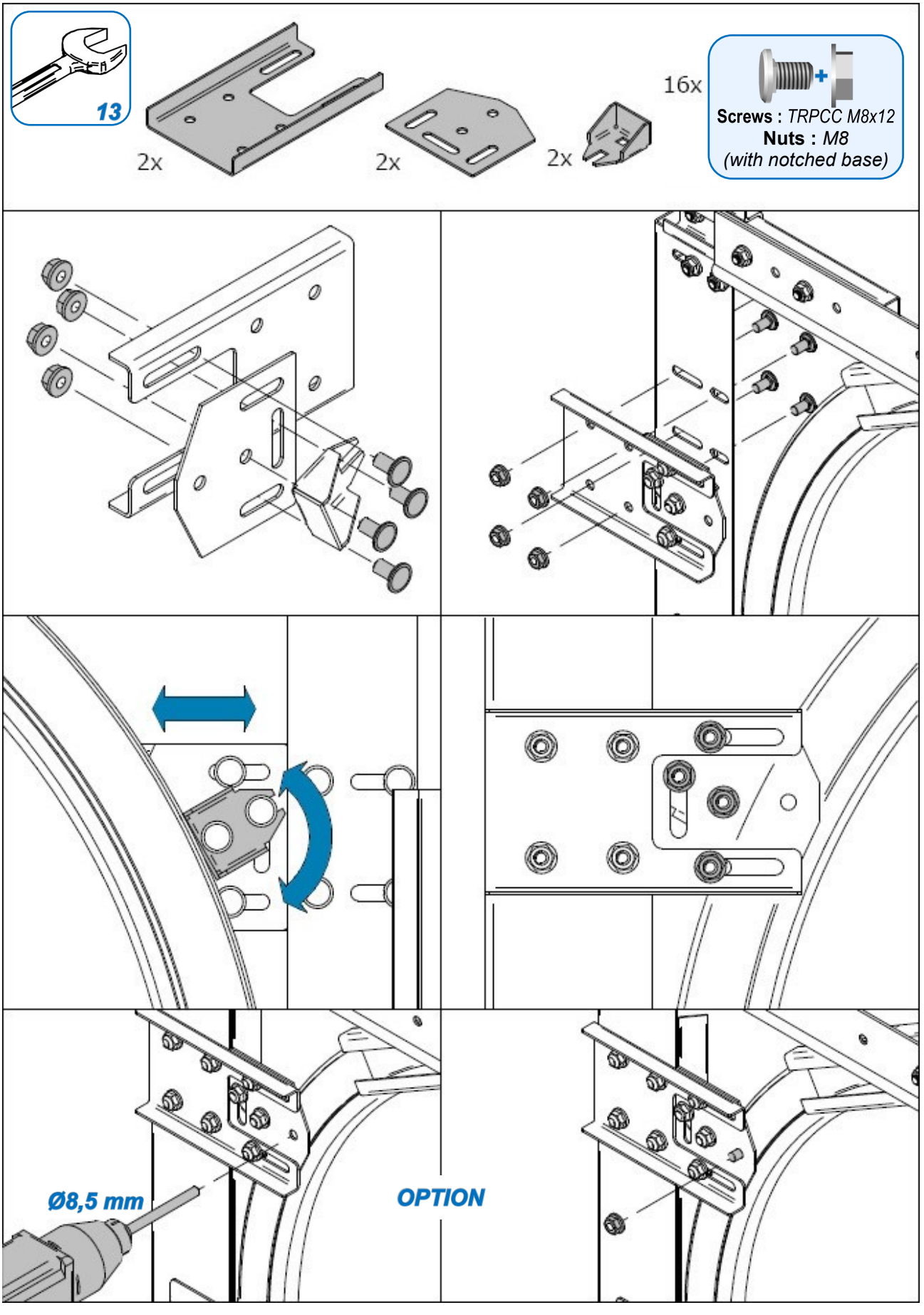
If slope ≥ 20°



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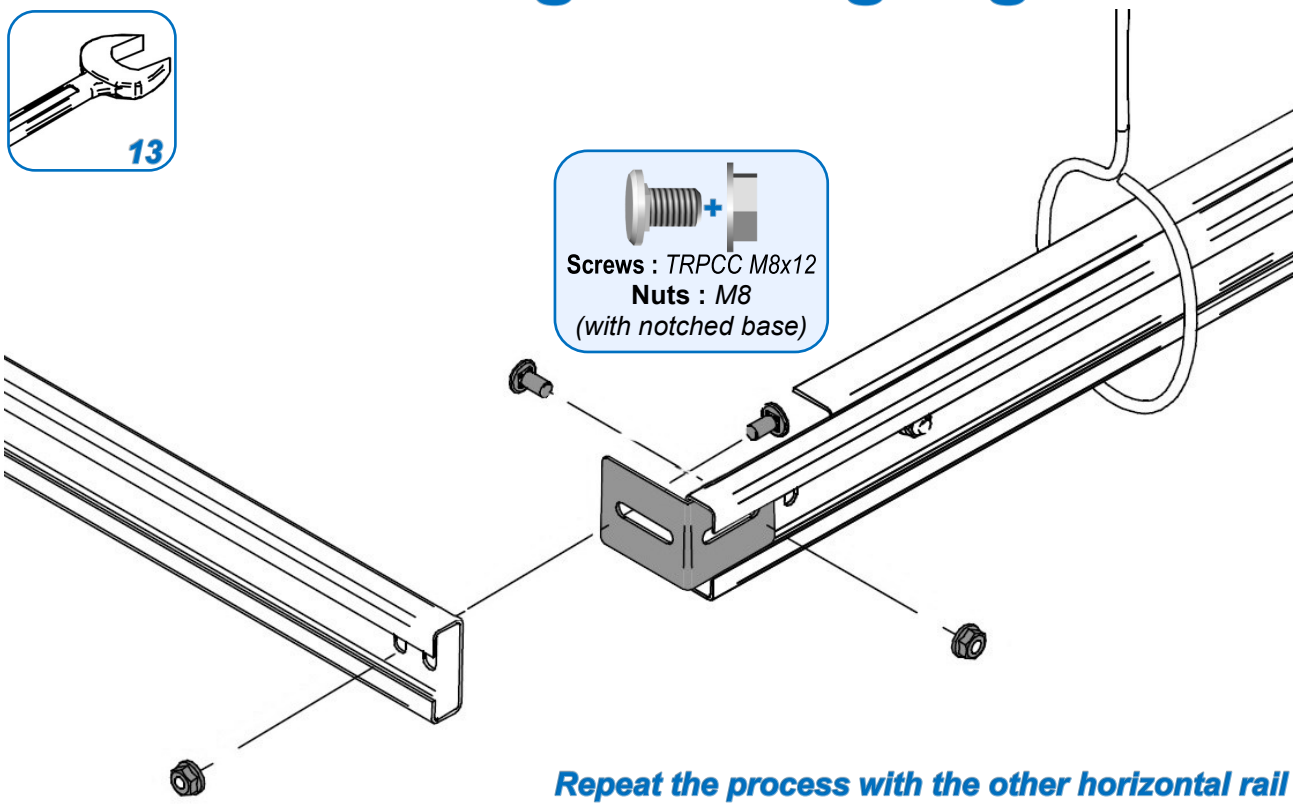
Mounting of the gauge

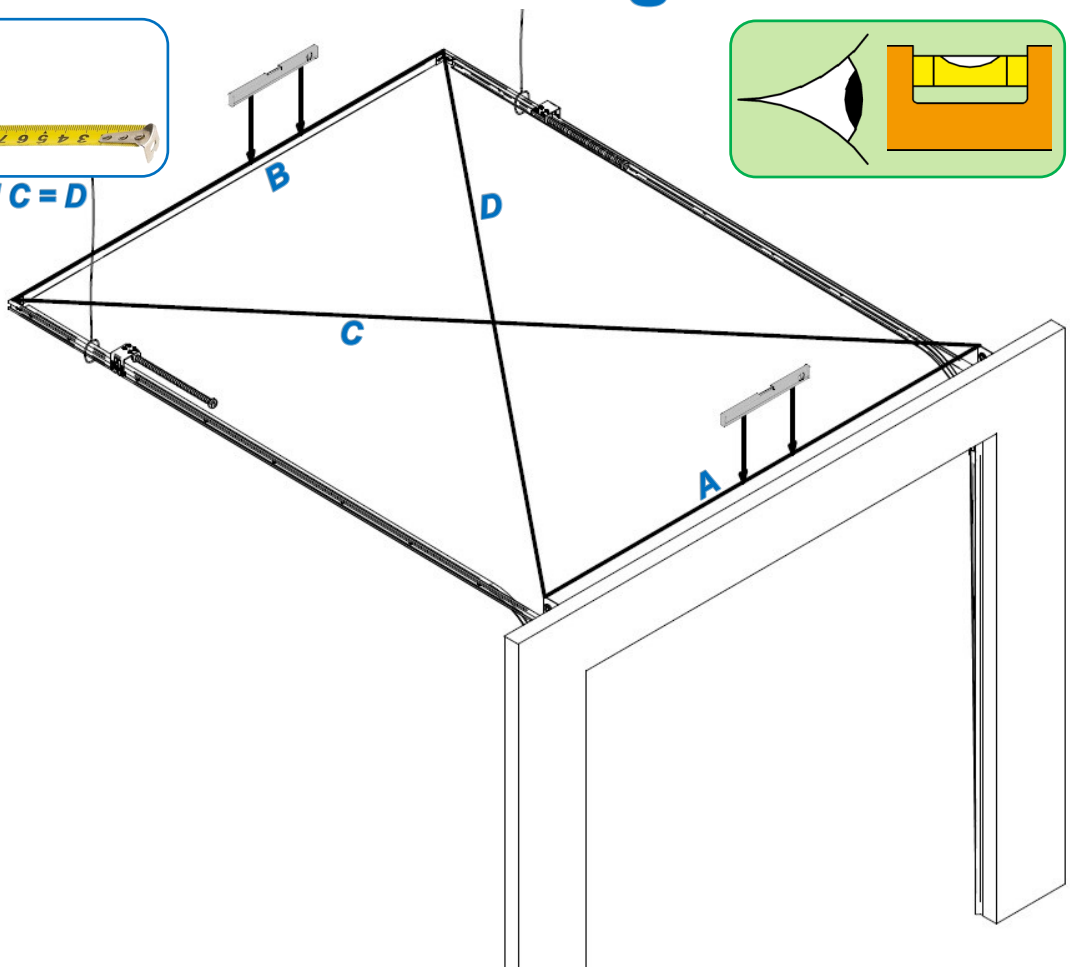
Screws : *TRPCC M8x12*
Nuts : *M8*
(with notched base)



Repeat the process with the other horizontal rail

Control of the diagonals

A = B and C = D



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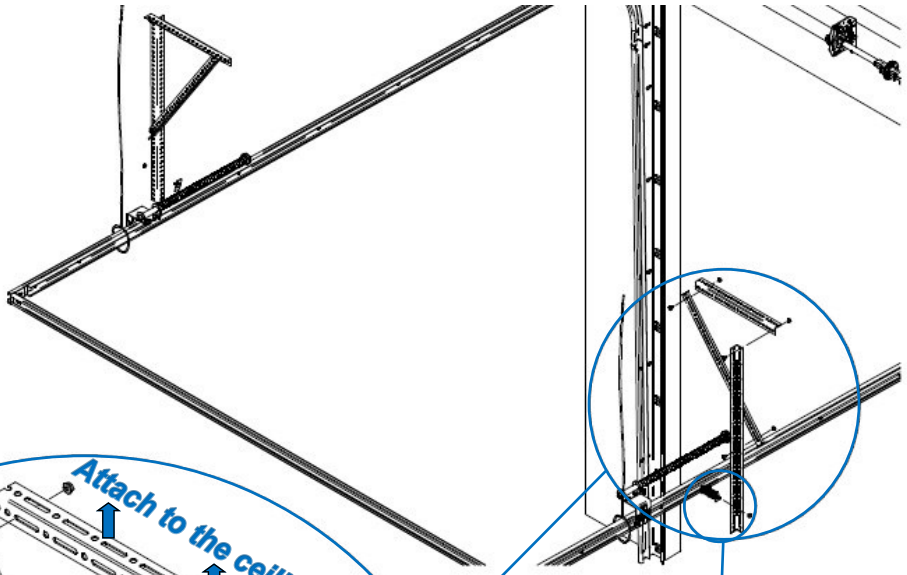
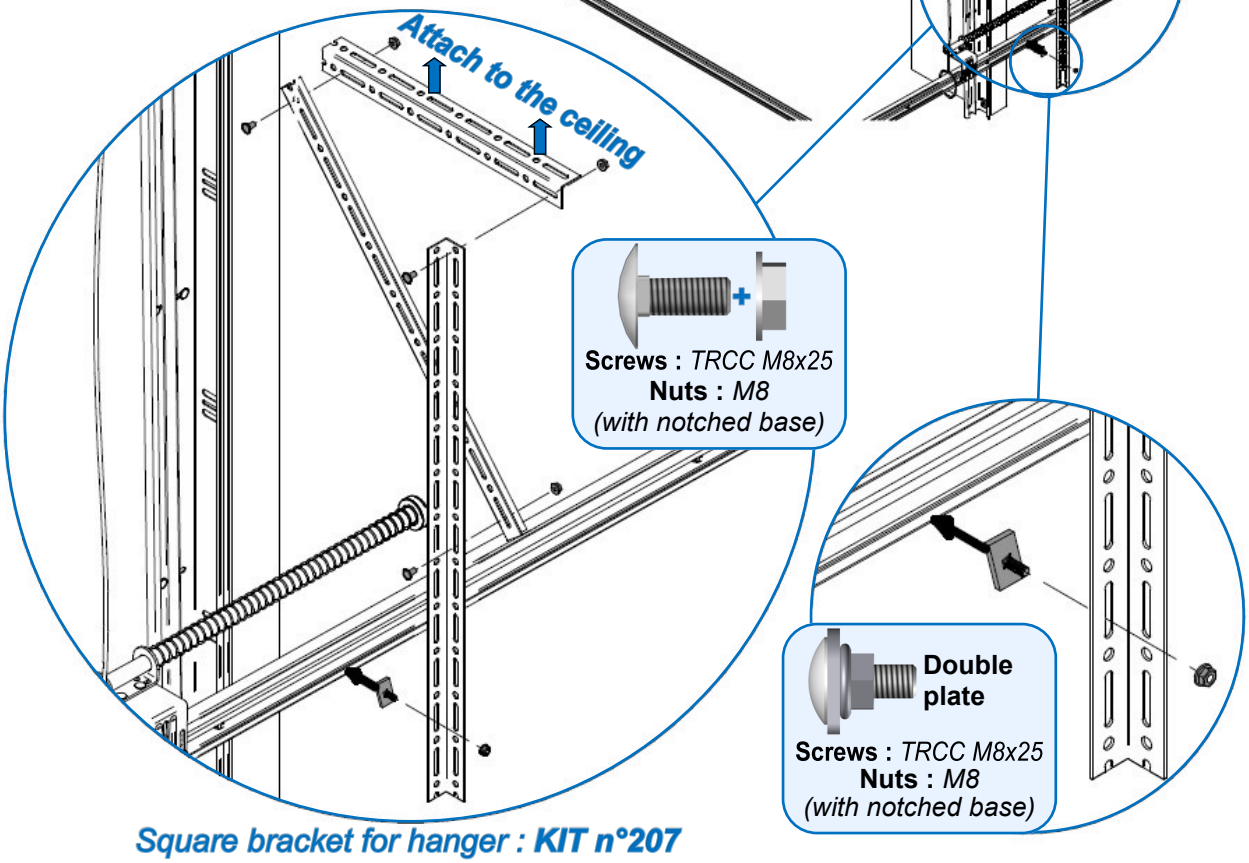
Hangers fixing

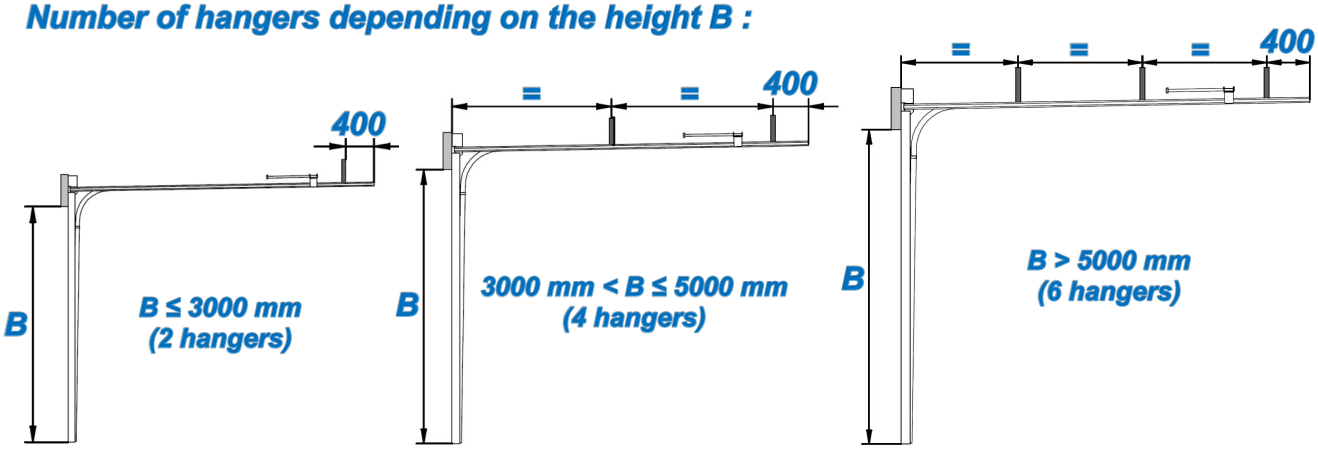
13





Square bracket for hanger : **KIT n°207**

Number of hangers depending on the height B :



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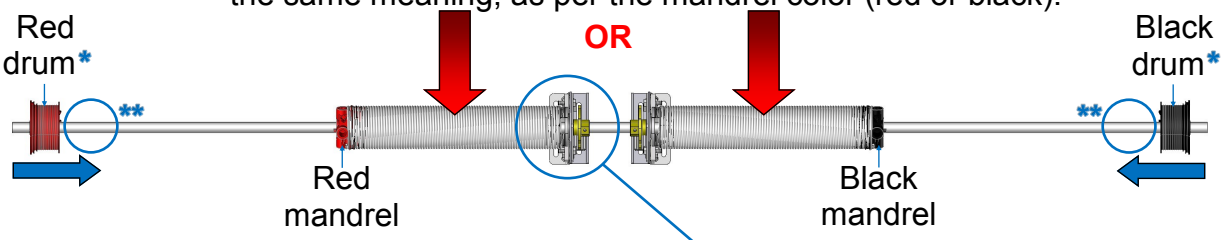
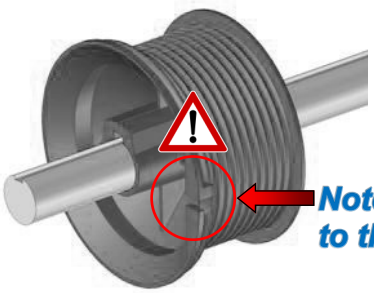
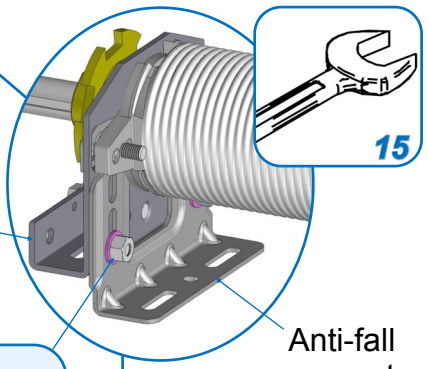
Preparation (axis of compensation)

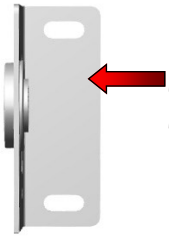
Axis in 1 part

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



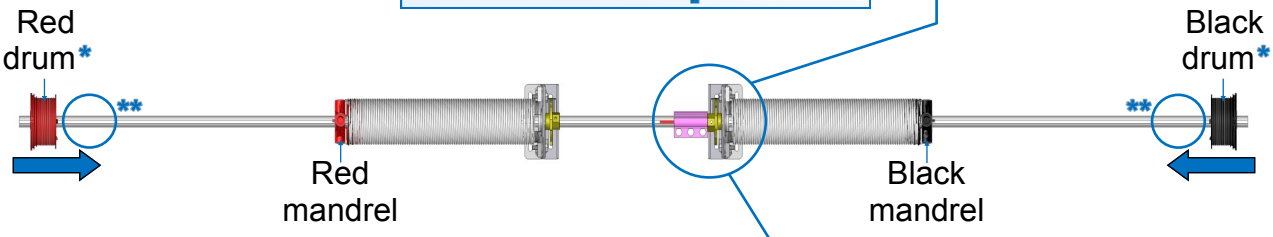


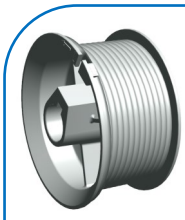


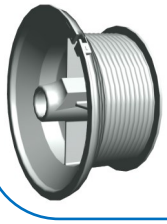


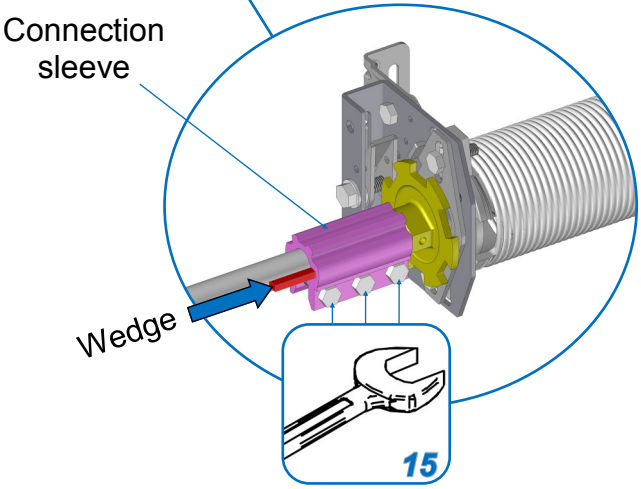
Note : Bearings of 86
Anti-fall support
not supplied

Axis in 2 parts









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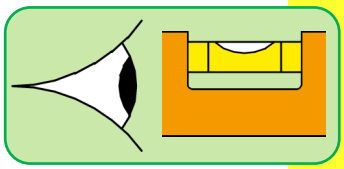
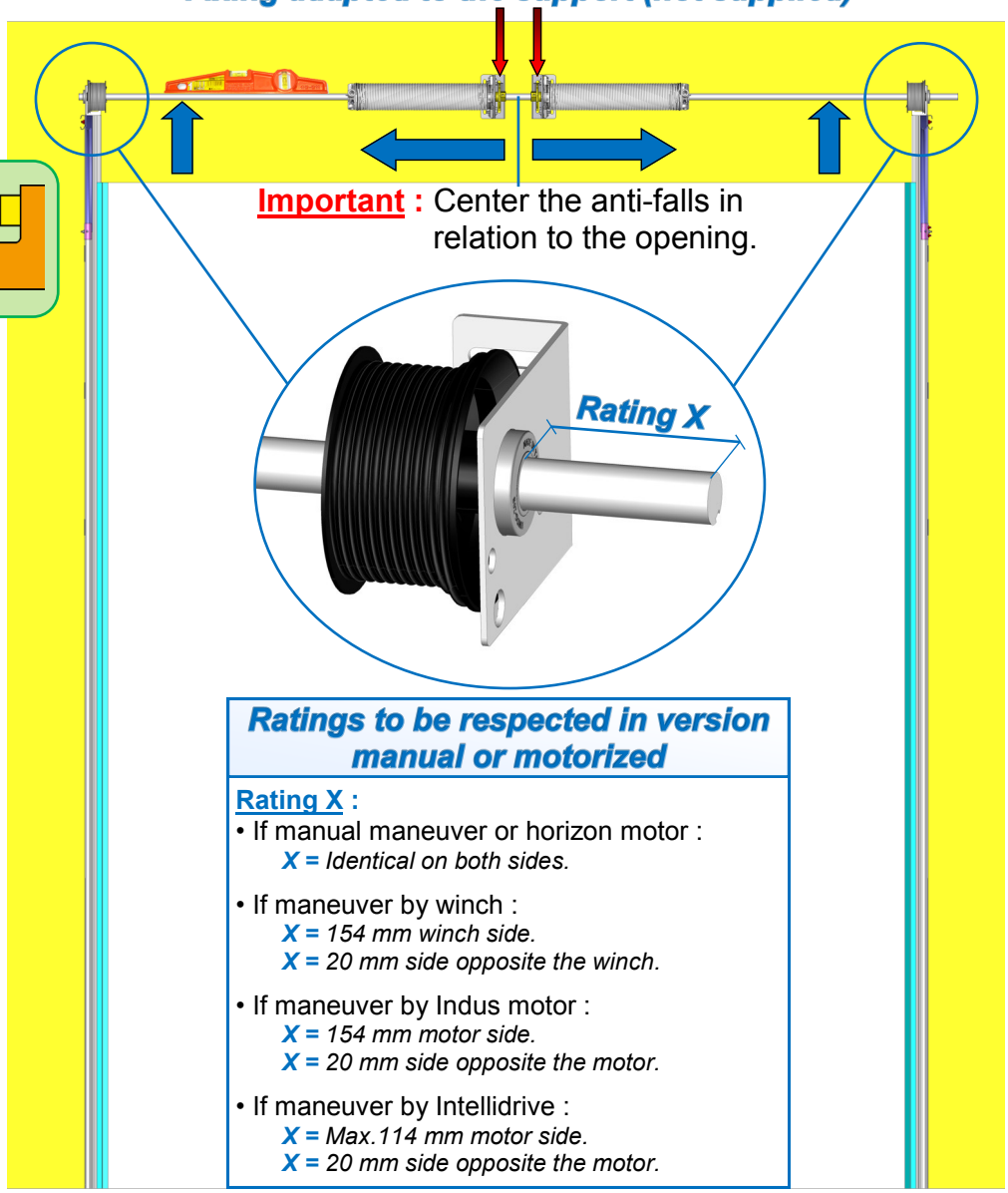
Mounting (balancing line)

Fixing adapted to the support (not supplied)





Ratings to be respected in version manual or motorized

Rating X :

- If manual maneuver or horizon motor :
  ***X** = Identical on both sides.*
- If maneuver by winch :
  ***X** = 154 mm winch side.*
  ***X** = 20 mm side opposite the winch.*
- If maneuver by Indus motor :
  ***X** = 154 mm motor side.*
  ***X** = 20 mm side opposite the motor.*
- If maneuver by Intellidrive :
  ***X** = Max.114 mm motor side.*
  ***X** = 20 mm side opposite the motor.*

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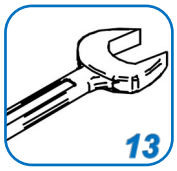
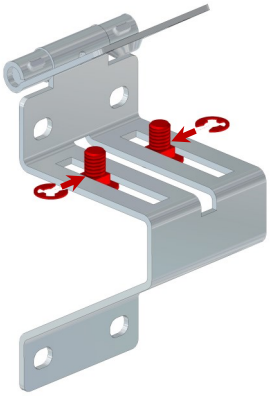
Preparation of the panels

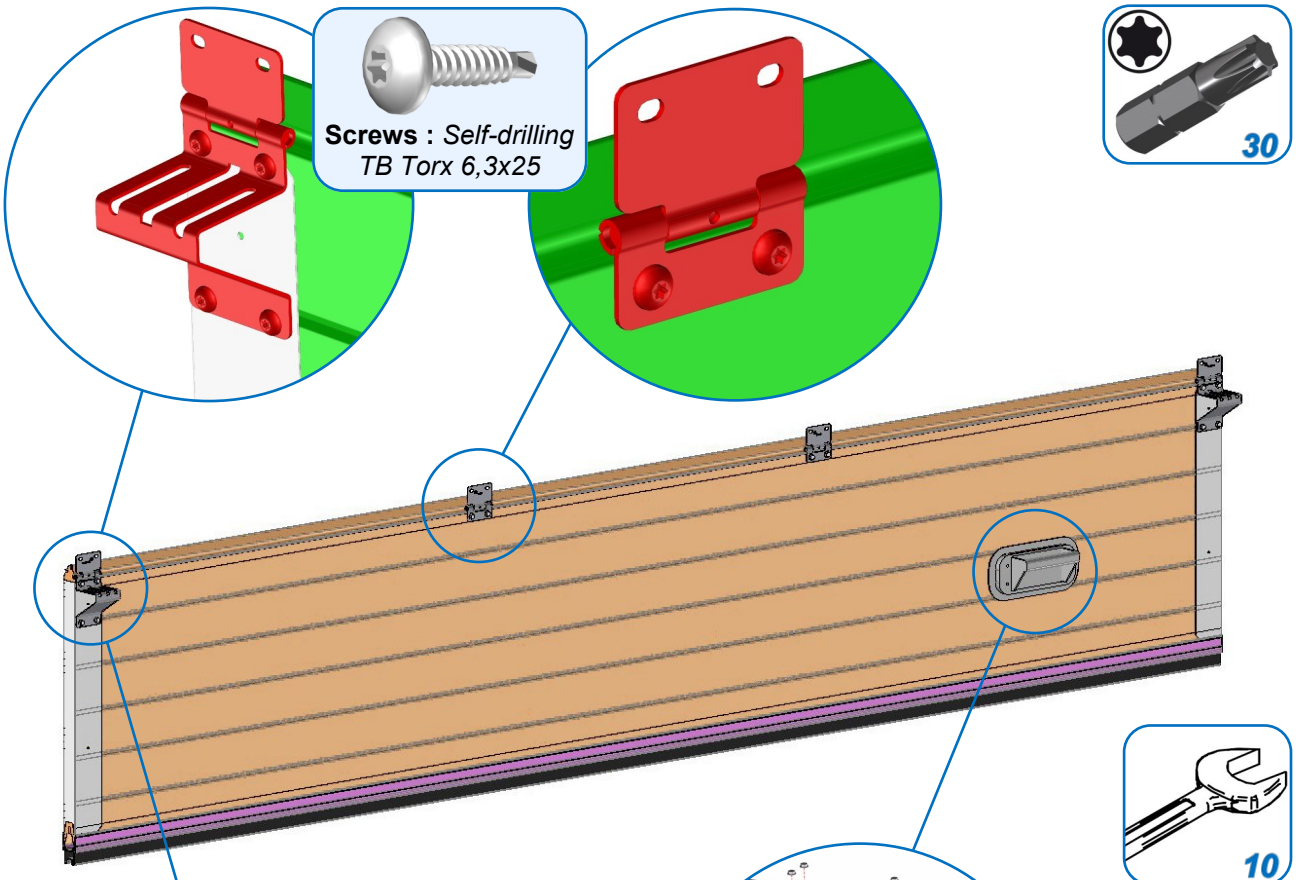
If glazed panel with stiffener

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



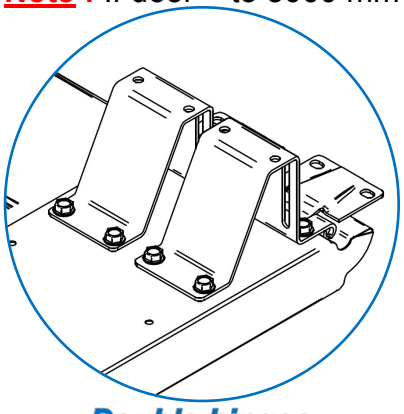
Screws : *TRPCC M8x12*



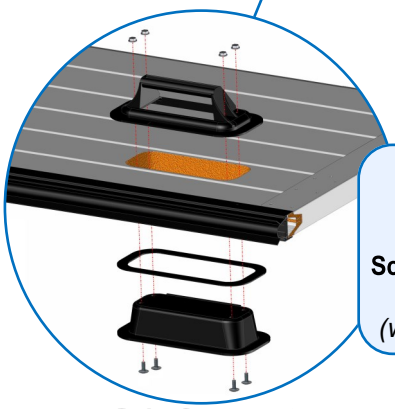


Screws : *Self-drilling TB Torx 6,3x25*

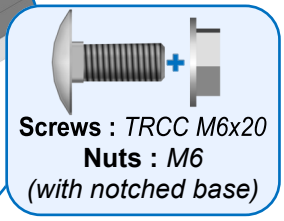
Note : If door > to 5000 mm



Double hinges



Grip foot rest



Screws : *TRCC M6x20*
Nuts : *M6*
(with notched base)

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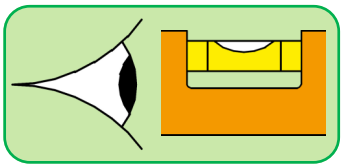
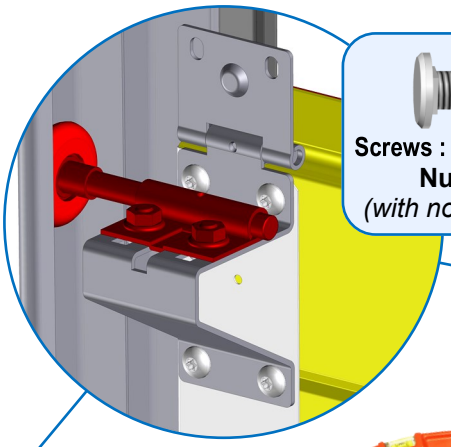
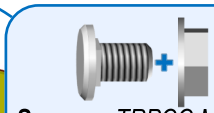
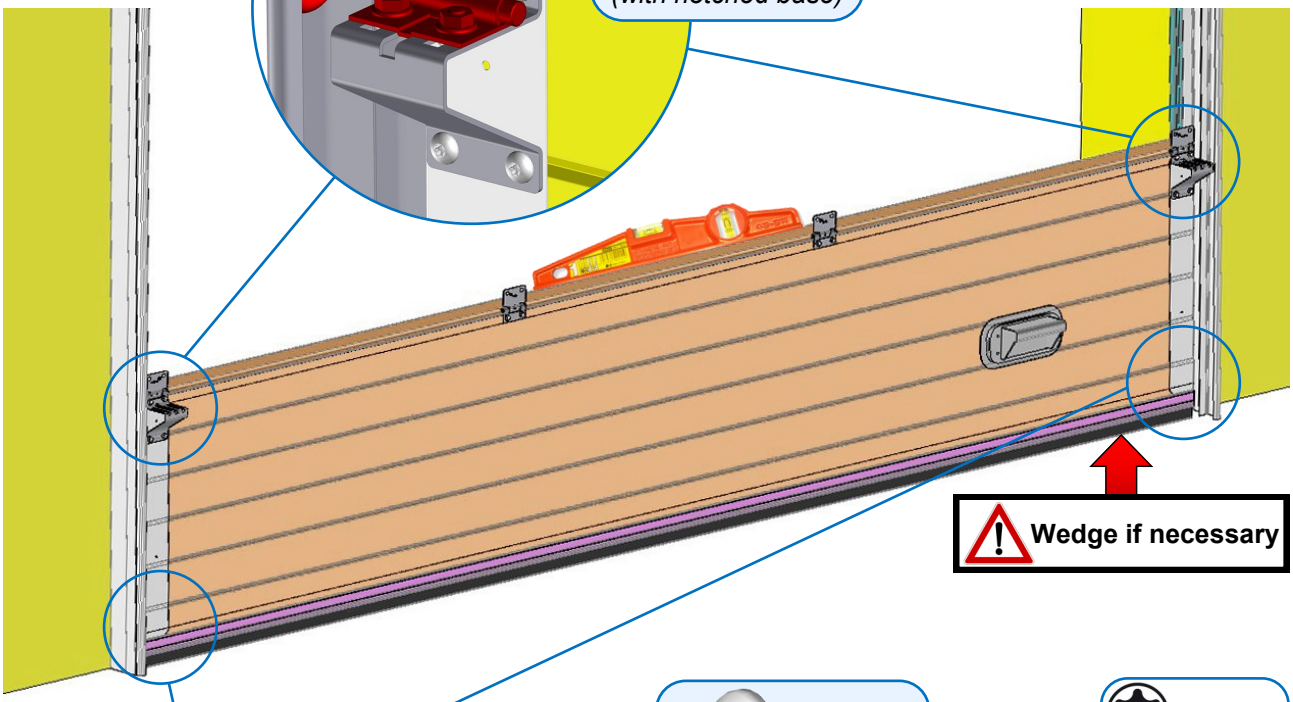
Mounting (low panel)



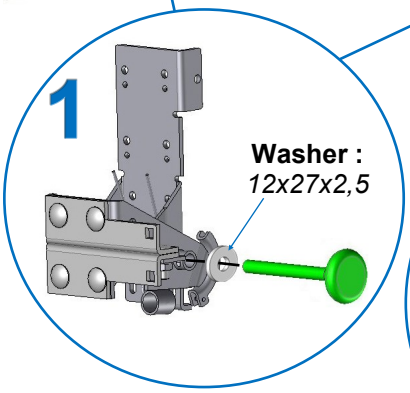


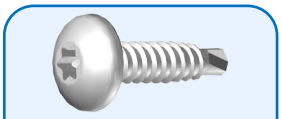


Screws : *TRPCC M8x12*
Nuts : *M8*
(with notched base)

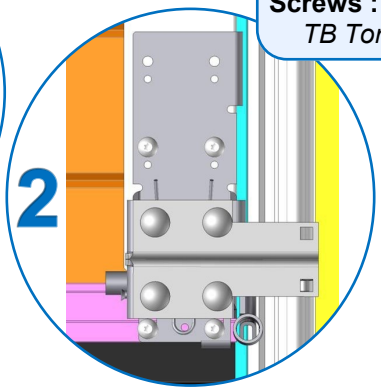


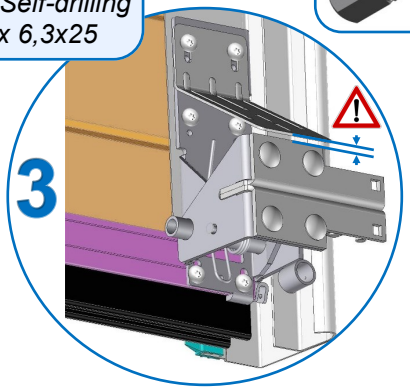
Wedge if necessary





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





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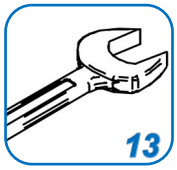
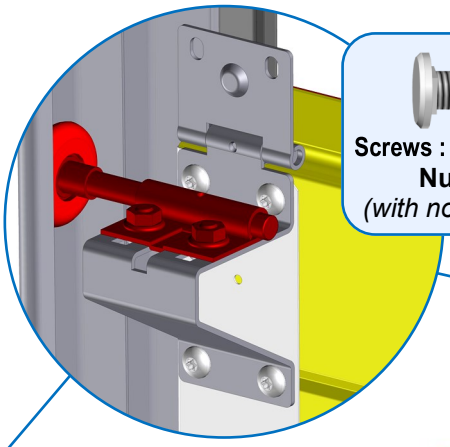
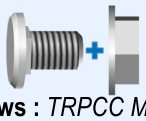
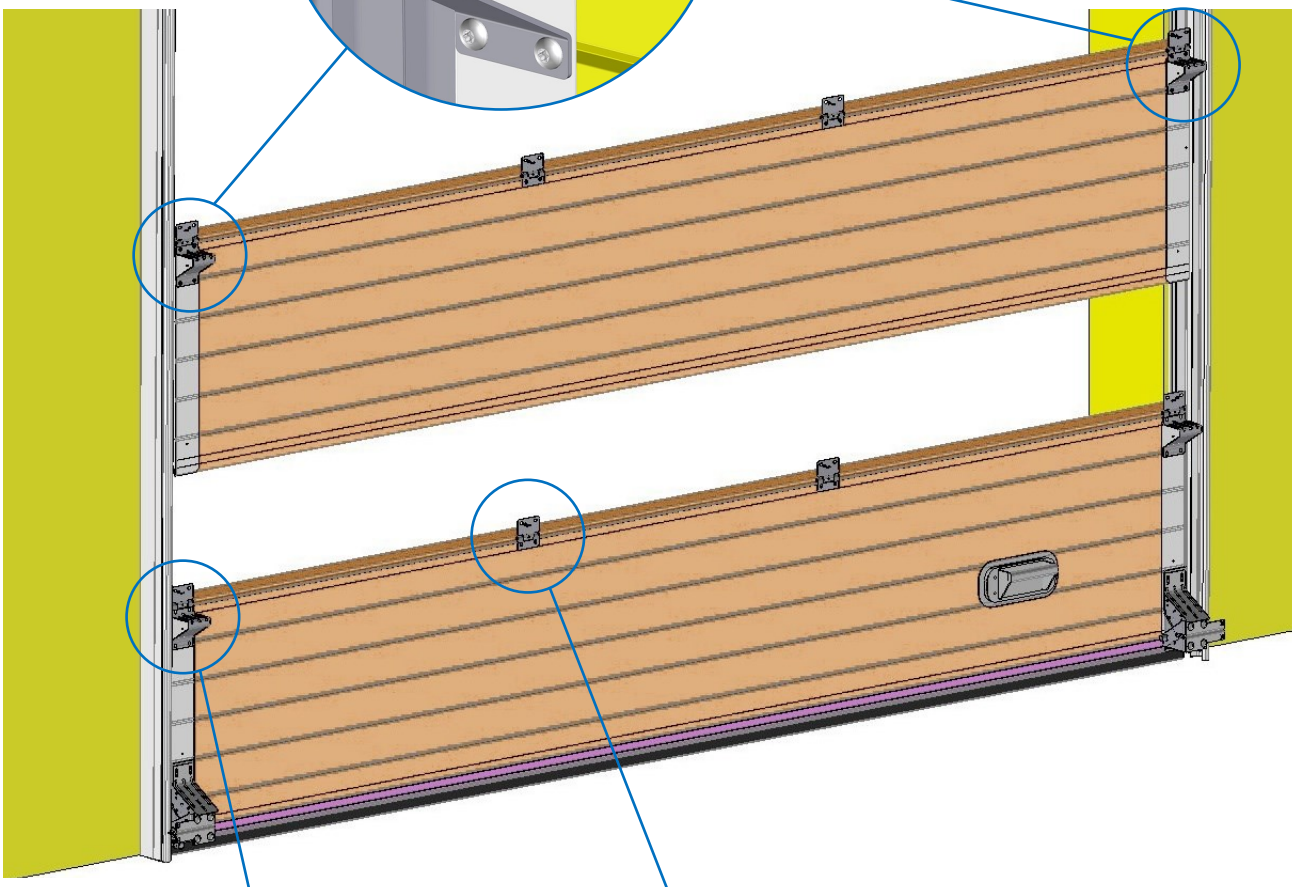
Mounting (intermediate panels)

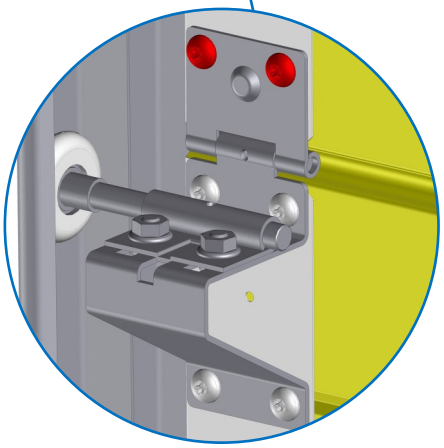


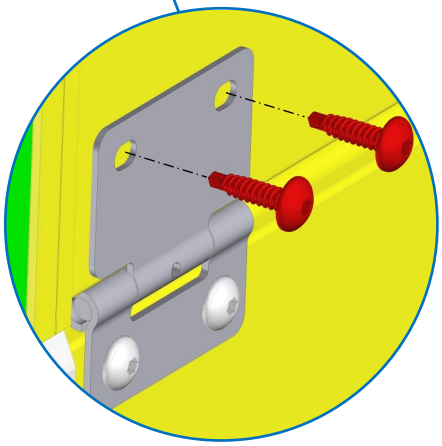


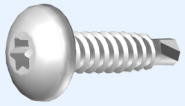


Screws : *TRPCC M8x12*
Nuts : *M8*
(with notched base)









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

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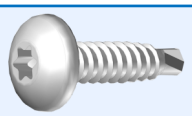
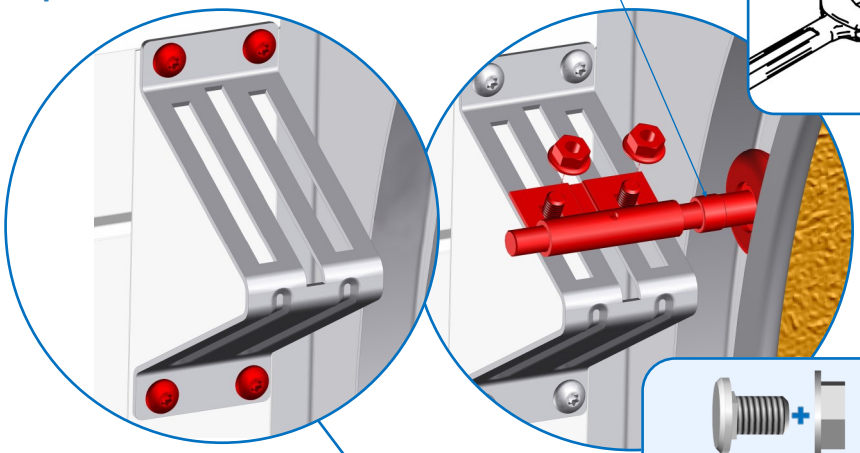
Mounting (high panel)

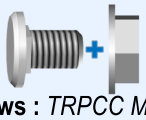


Screws : *Self-drilling TB Torx 6,3x25*

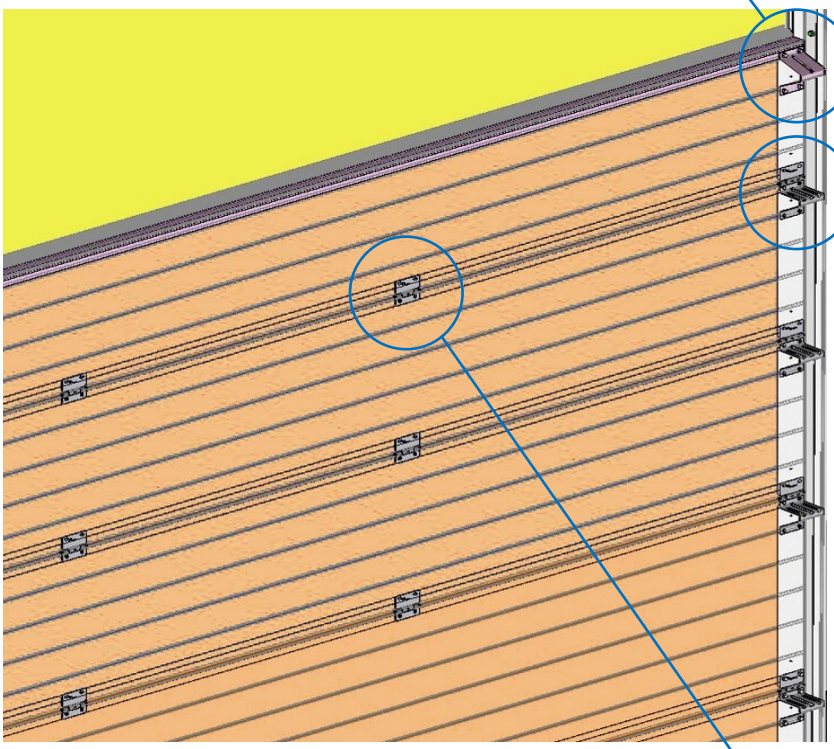
Top roller carrier : KIT n°235

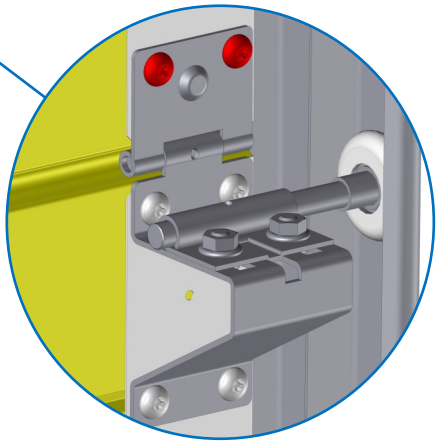
Spacer : *10 mm*

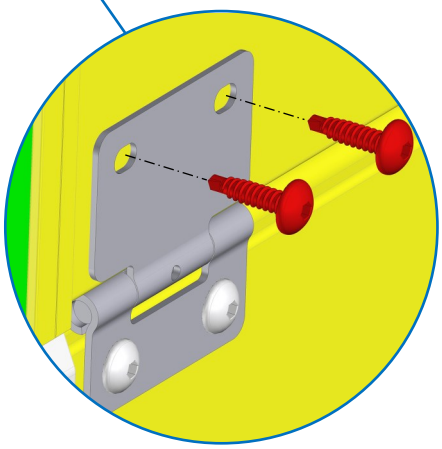




Screws : *TRPCC M8x12*
Nuts : *M8*
(with notched base)







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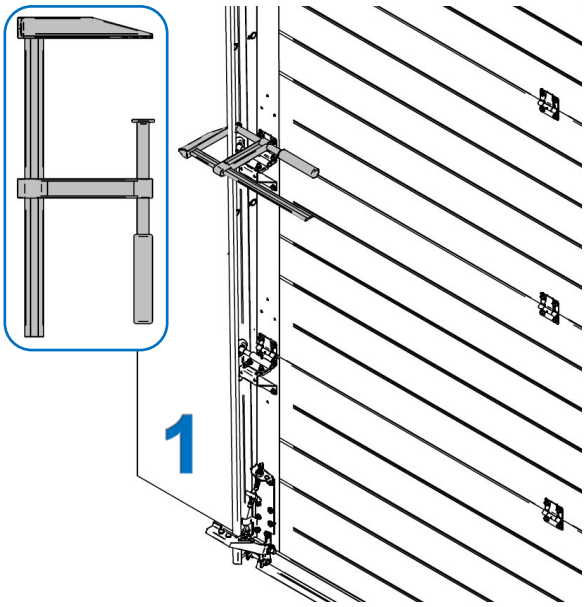
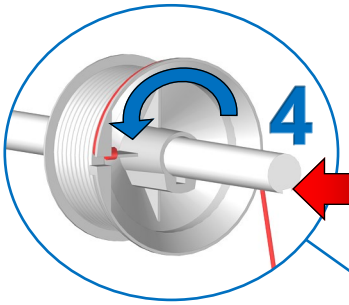
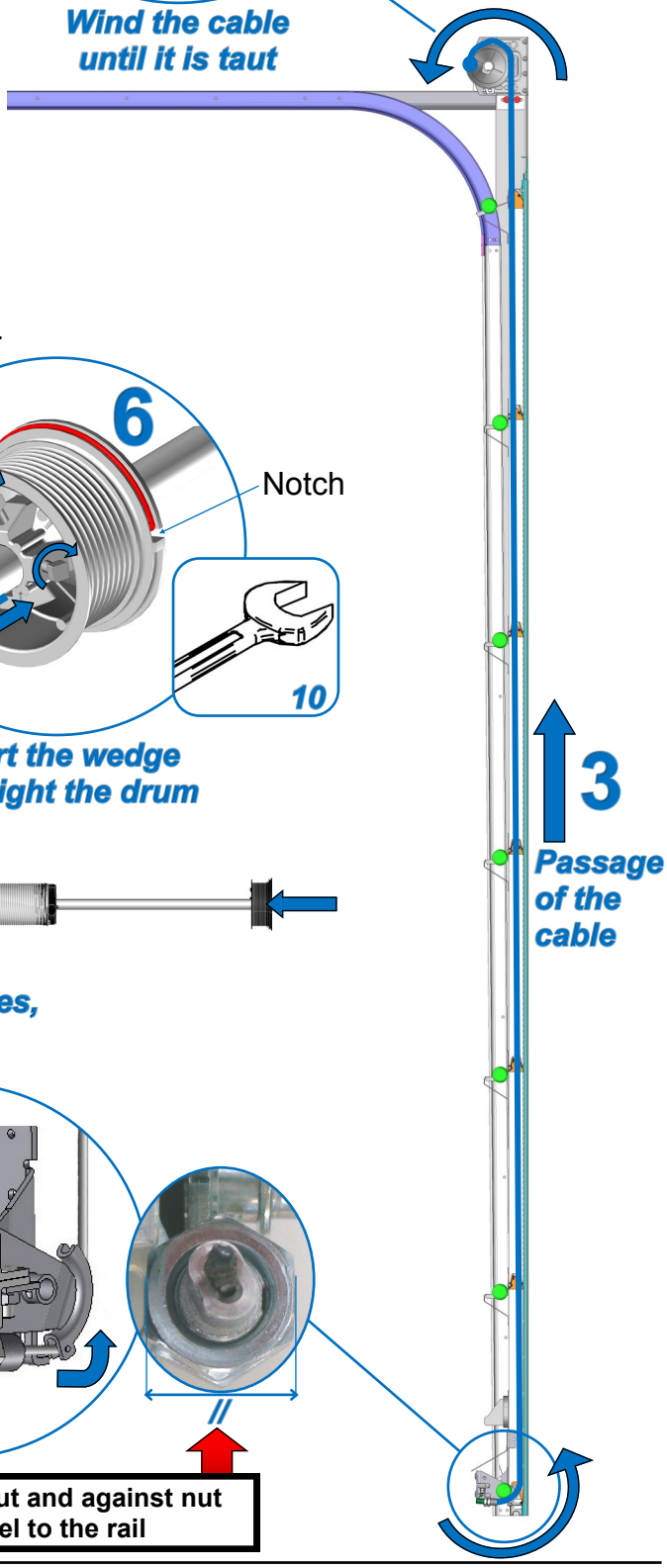
Installation/tension of cables



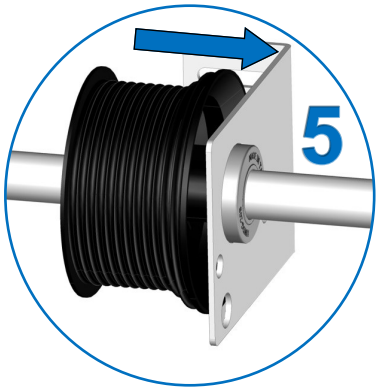


Align axis notches

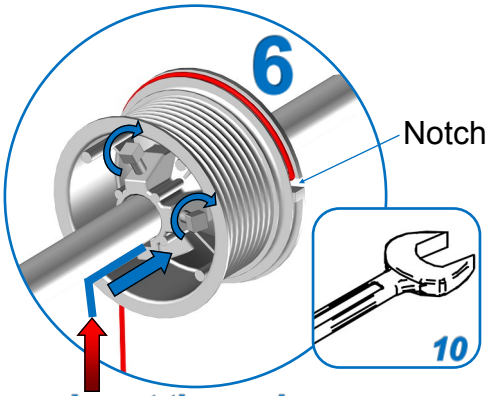
Wind the cable until it is taut



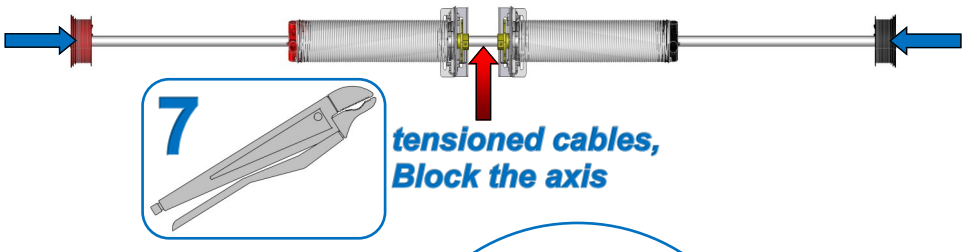
Important : drum notches must be aligned.



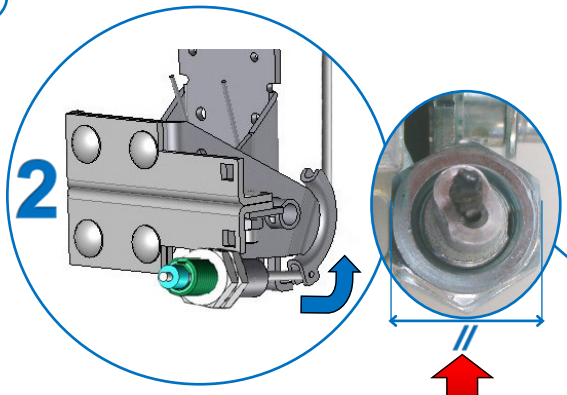
Press the drum against the bearing



Insert the wedge then tight the drum



tensioned cables, Block the axis



Block the nut and against nut parallel to the rail

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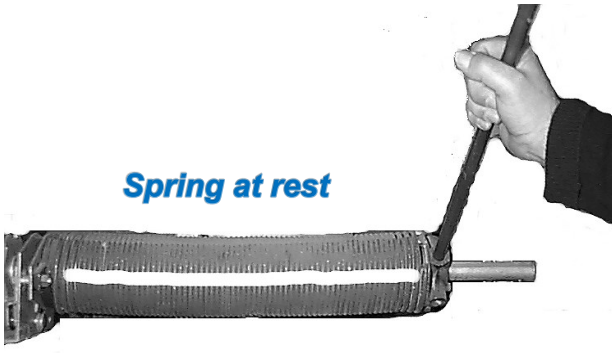
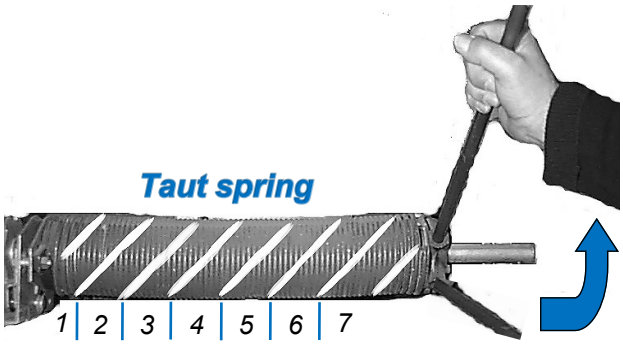
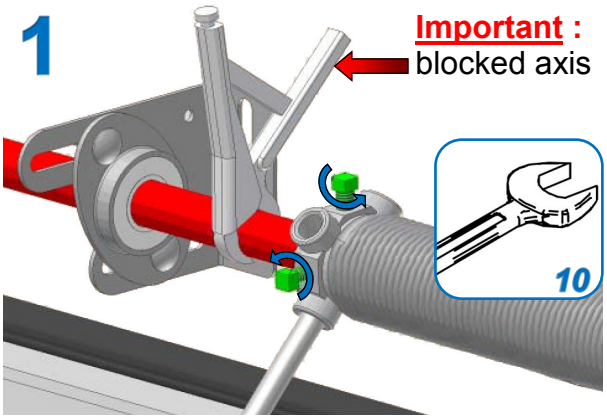
Principle (determination of the number of turns)

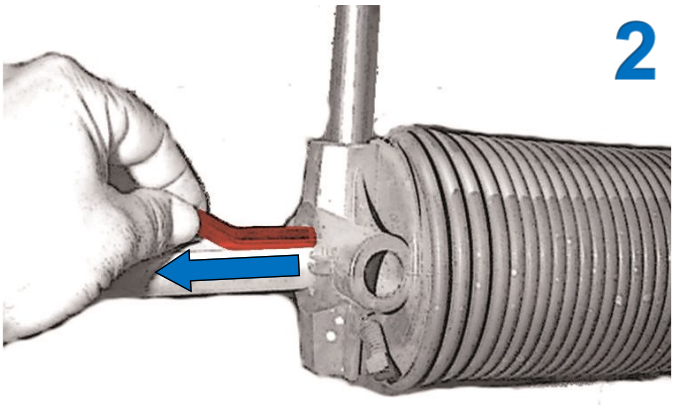


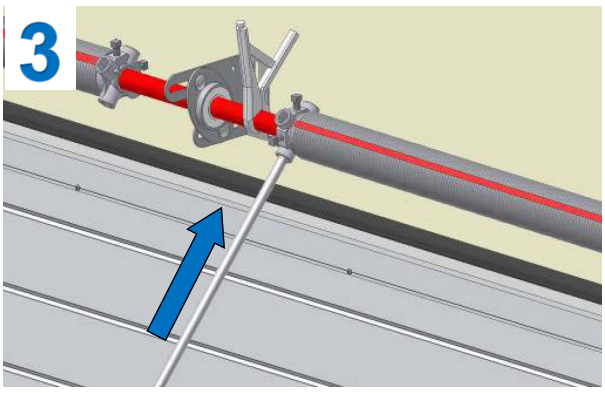


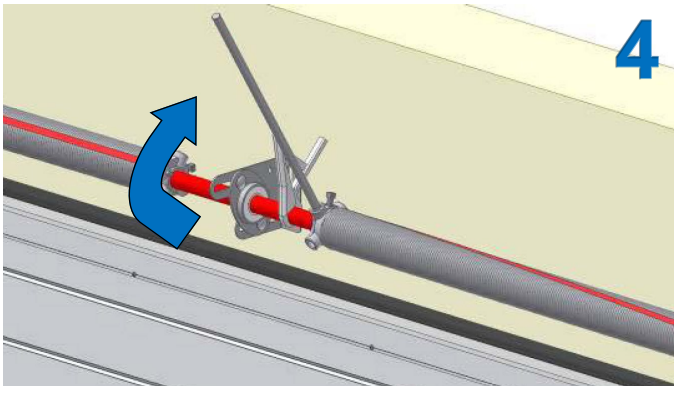
Example : *7 turns*

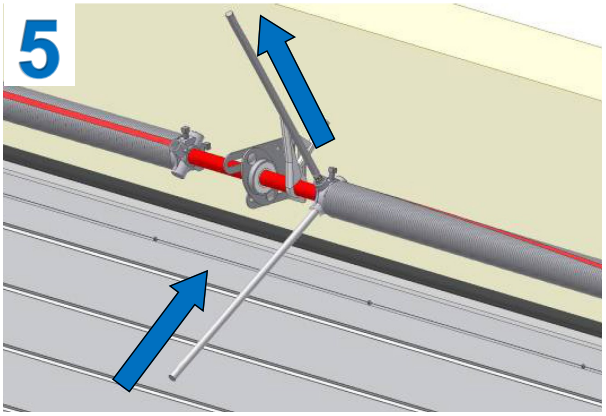
Spring tension

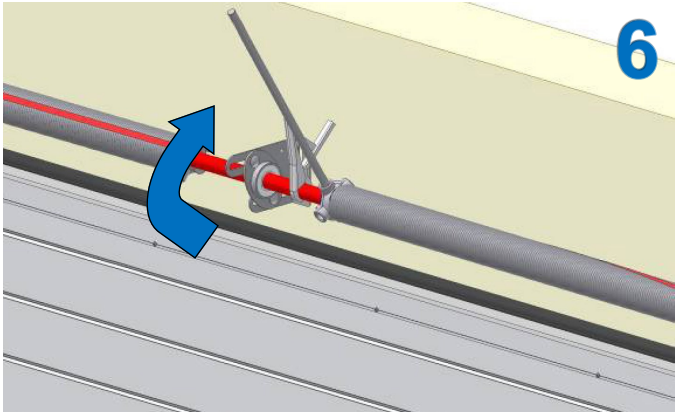












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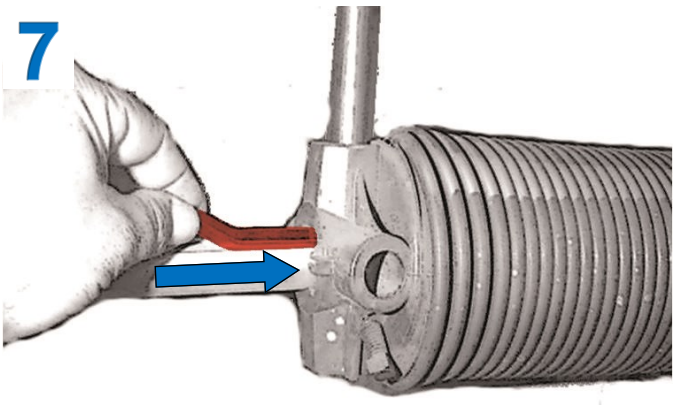
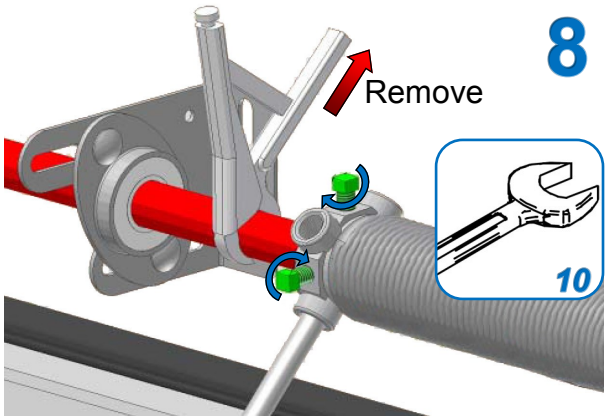
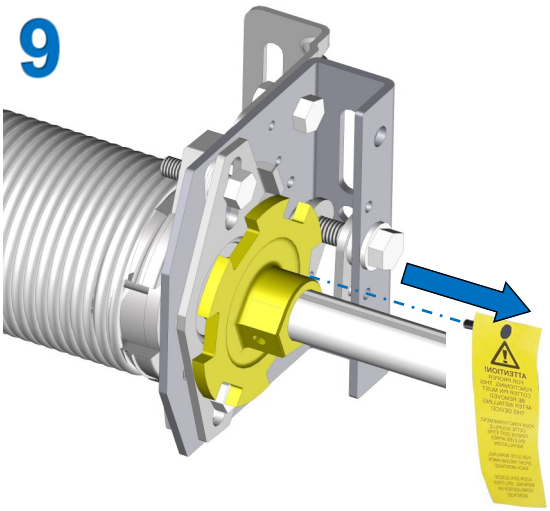
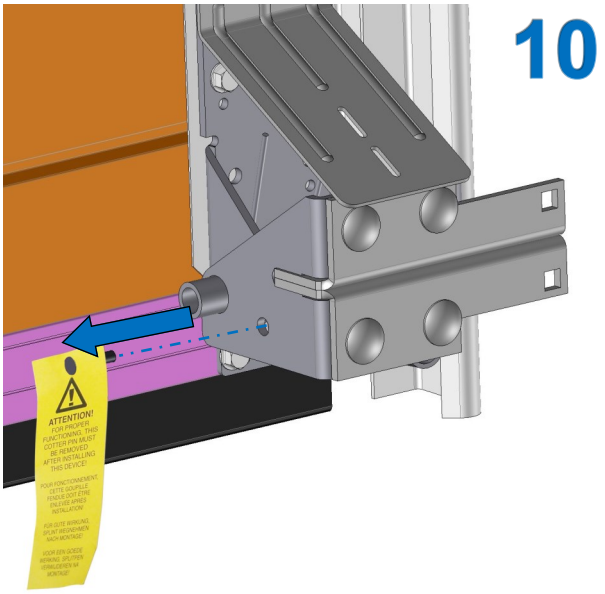
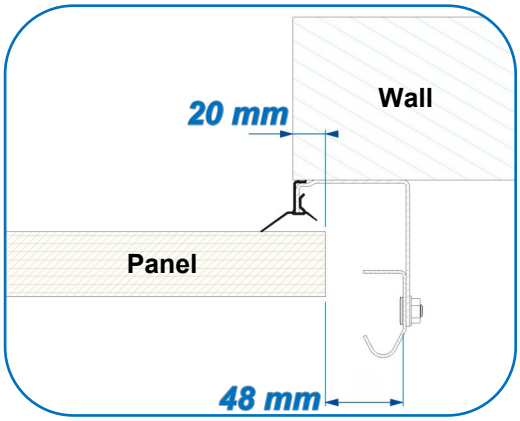


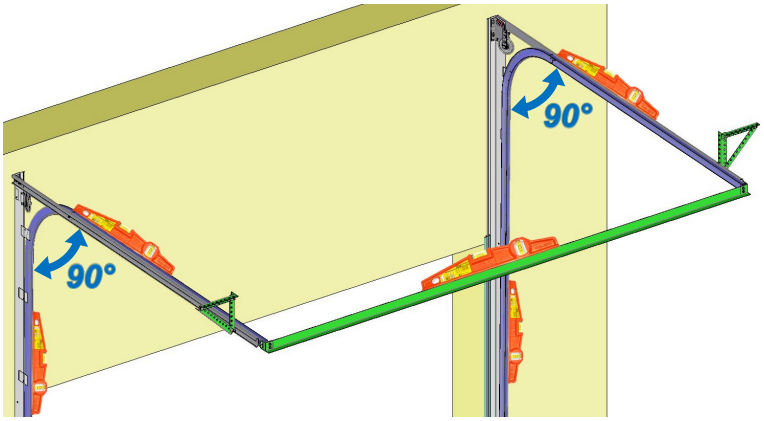






Check (play and parallelism of rails)





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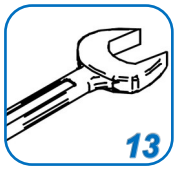
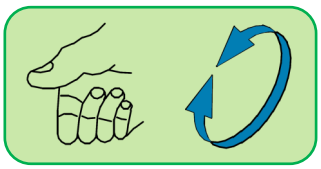
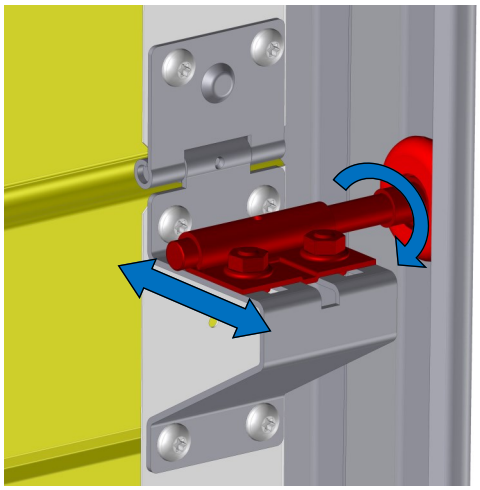
Settings (roll guard)

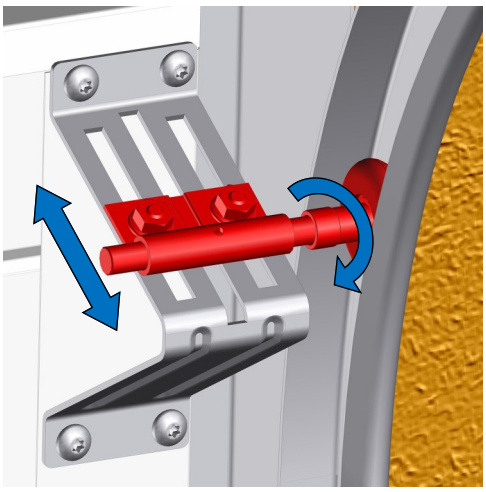


- Do not squash the apron on the exterior lateral joints.
- The rod of the pebble must rotate.

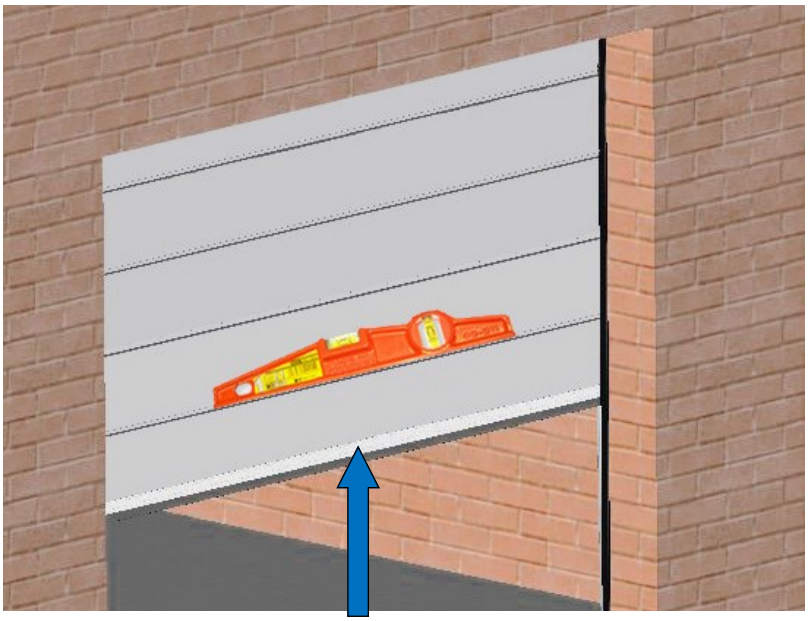


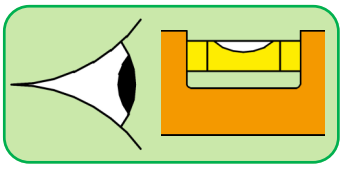


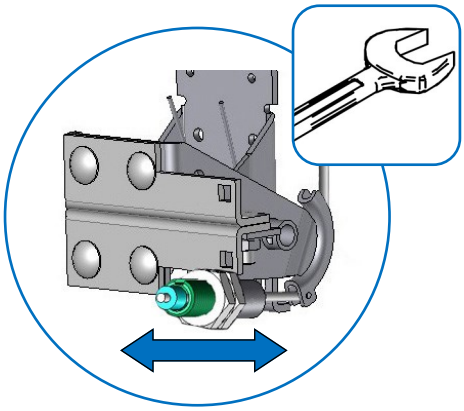
Important :
Grease the springs and the bottom of the rail.



Settings (horizontal level)







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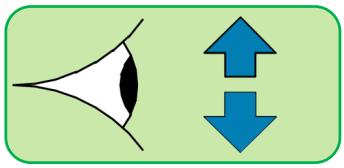
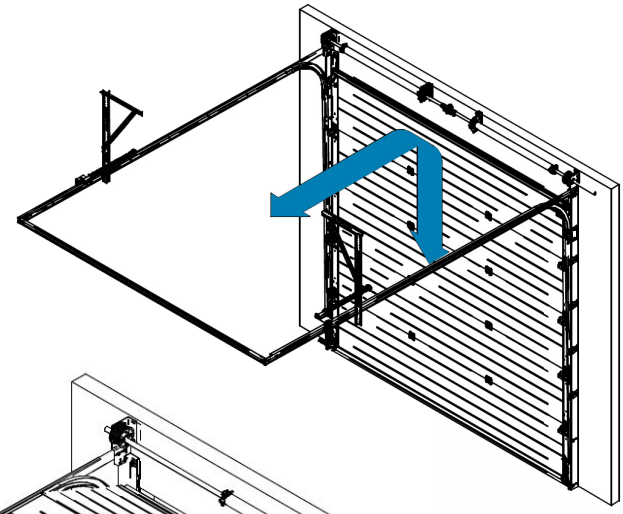
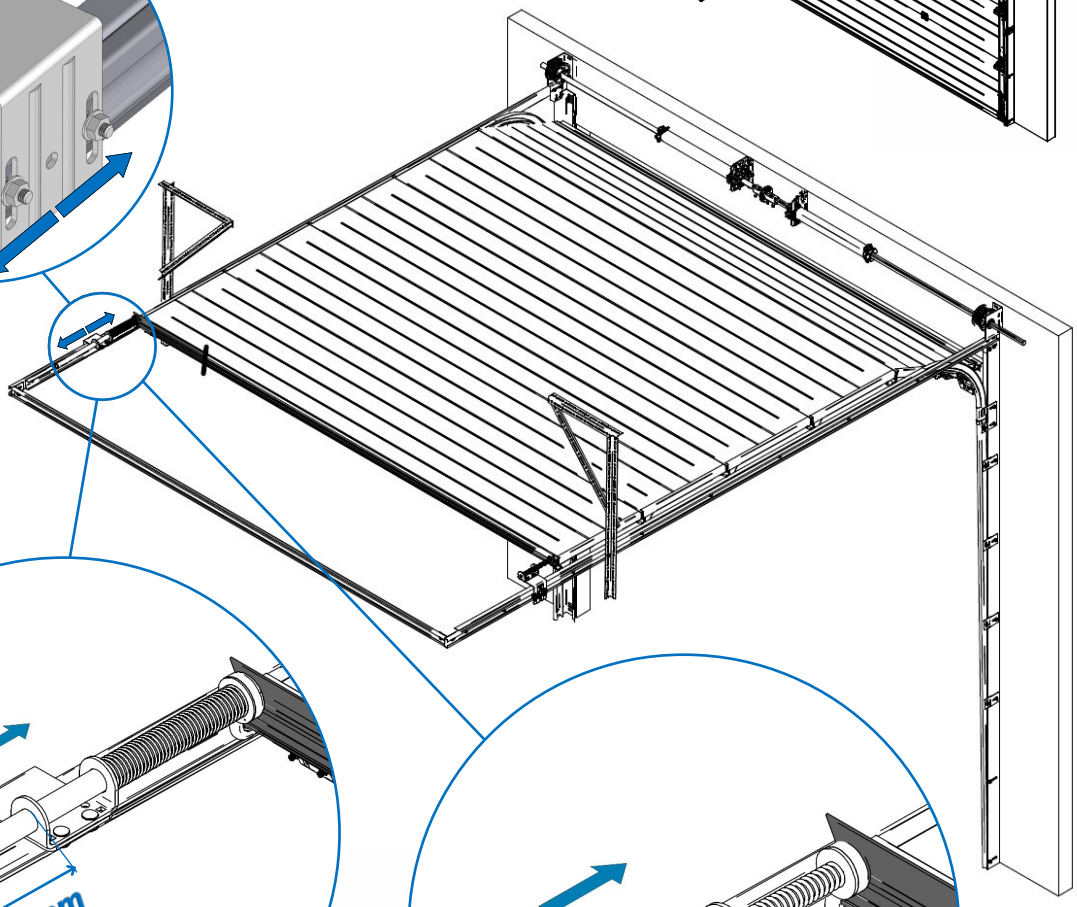
Settings (stops)

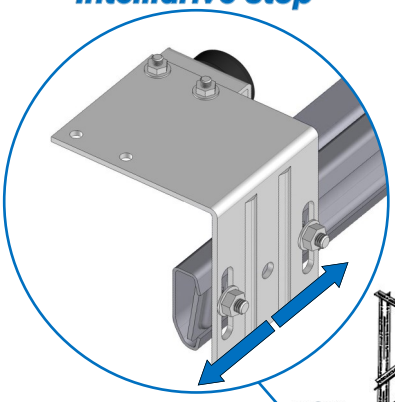
Important : Door open, the high panel must be in contact on the 2 stops.



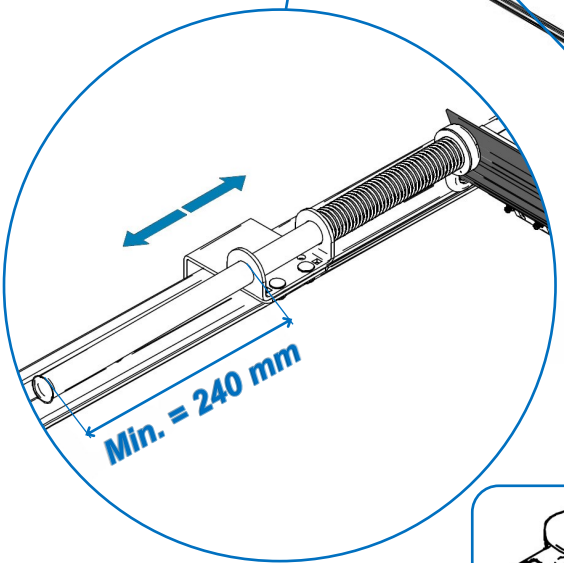




Intellidrive stop

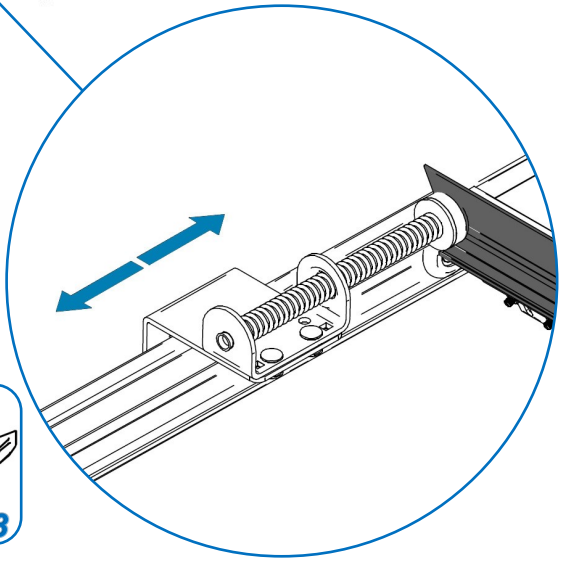


or

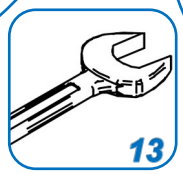


Large stop

or



Small stop



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

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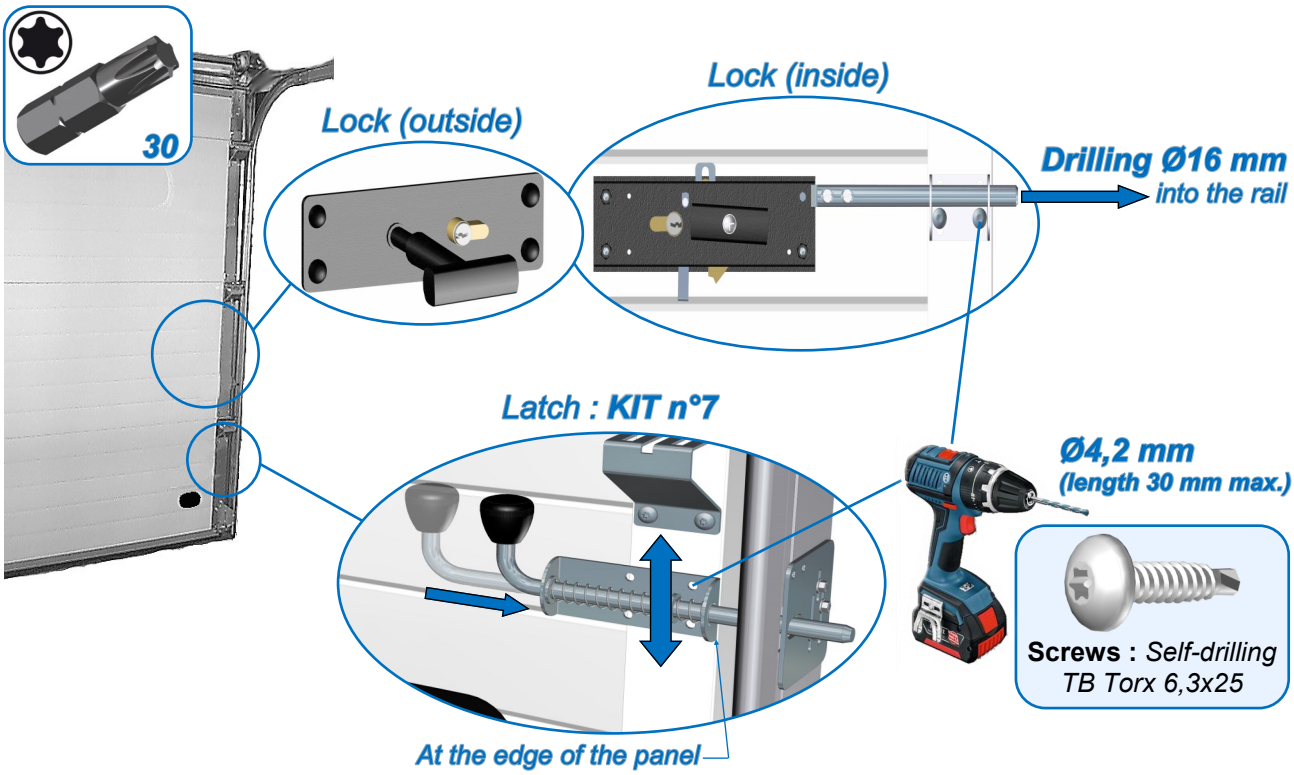
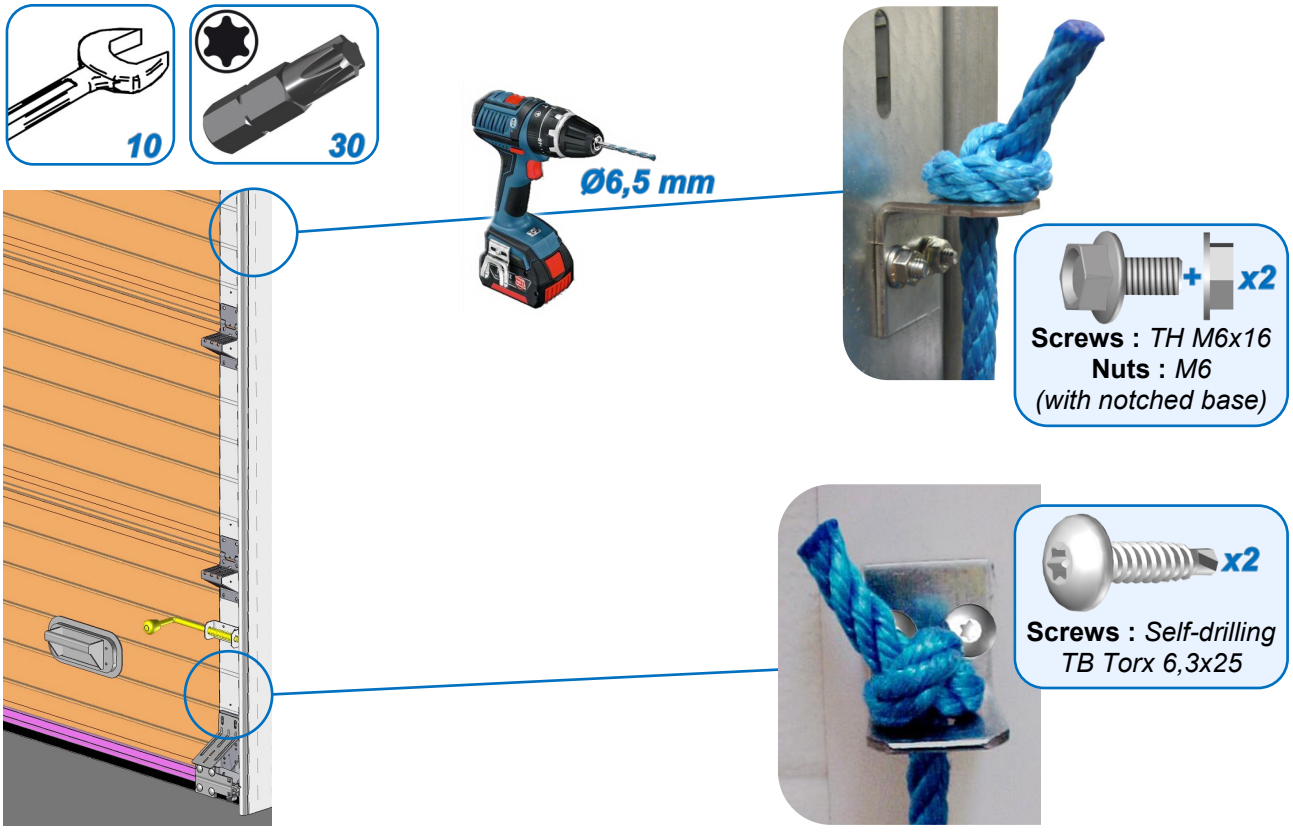
Option : Lock or latch



Mount the pull-cord
(if manual door)



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Option (electric drive)

For the connection of motorization and the box, see 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 1/4 turn on the springs, to obtain a manual maneuver with less effort.

Important : Difference of tolerated turns between springs = 1/2 turn.

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

For mounting of winch or motors, see 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.

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