

Manual No. 7411

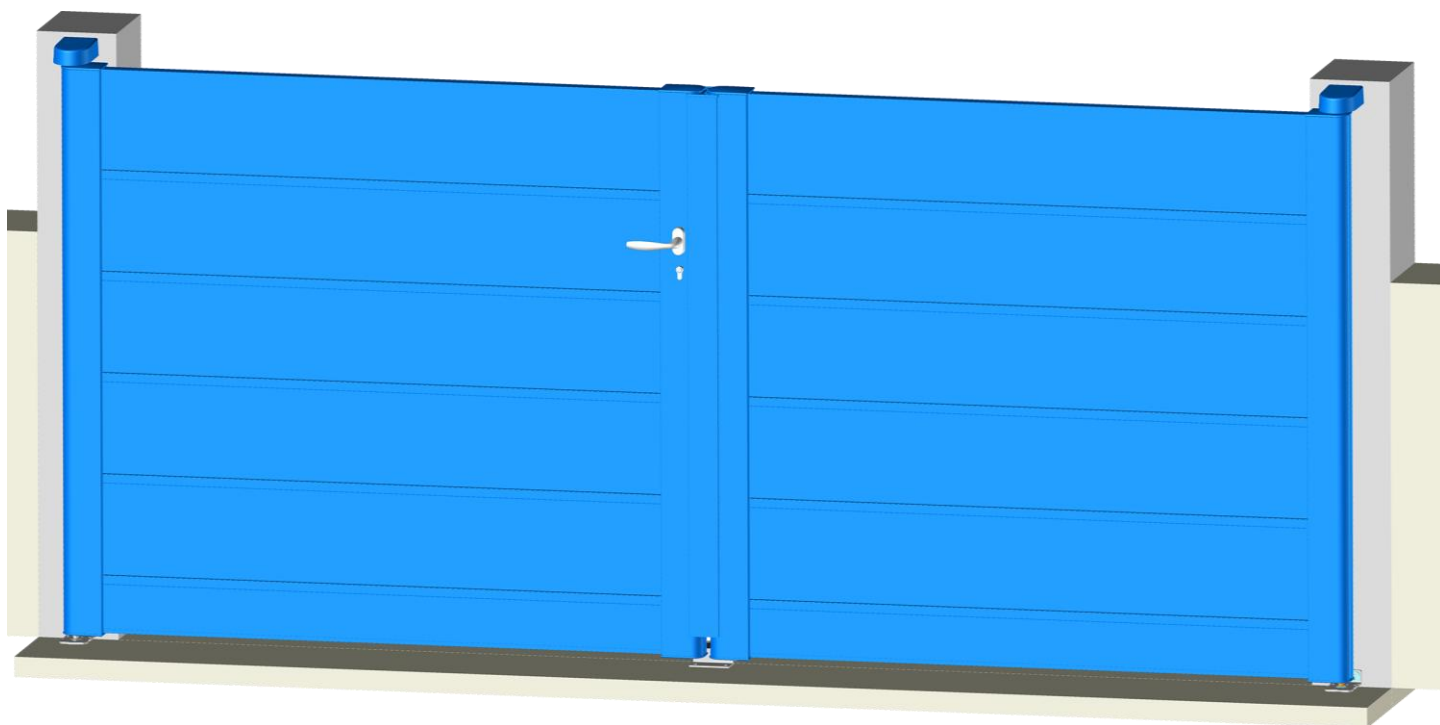
12/25

INSTALLATION

2-leaf gate **CREATIV** range



Wall-mounted



(For installers use only)

Contents

Installation instructions	3
Before installation	3
List of tools.....	3
Check worksite dimensions	4
Check level 0, plumb and posts alignment.....	4
Wiring diagram	5
Installation	5
Position the holes for the brackets of the bottom and top hinge.....	5
Prepare the hinges' brackets	7
Fix the hinges' brackets	8
Install the leaves	8
Completions.....	9
Adjusting the gate.....	9
Install the central stop.....	10
OPTION: Intall the handles and strike plate	11
OPTION: Install the motorization reinforcement plate	12
Fix the top covers	13
OPTION: Install the Marshal stick handle	13
OPTION: Install the universal stops (manual gate).....	13
or limit stops (motorized gate).....	13
OPTION: Install the drop bolt receiver	14

Installation instructions



CAUTION !



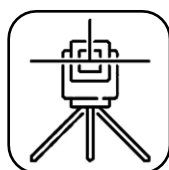
To ensure that this product is well assembled, used and maintained in complete safety, it is important to follow the instructions provided in this document.

For everyone's safety, please adhere to the precautionary measures below.

- Before beginning the assembly, read this manual carefully.
- This product must be installed by a professional.
- All the parts delivered are specifically sized for this product.
Adding and/or using other parts may be detrimental to safety and may affect the product's warranty.
- Any modification or improvement of this closure must be compliant with the standard BS EN 13241:2003+A2:2016.
In this case, a " Modification/Transformation " file must be created by the installer as per the standard BS EN 12635:2002+A1:2008 annex C.
- Carry out work in accordance with the safety instructions.
Use the appropriate tools to install this product.
Ensure that all work is carried out on a stable ground.
- Ensure that the assembly area is adequately clear, clean and clearly marked out.
- Ensure that no other people are present at the assembly site apart from the installers.
Indeed, non-authorized persons such as children, who are present at the site risk injury during assembly.
- All the components of this closure must be installed in compliance with the installation instructions provided in this manual.
- All the requirements of the standards BS EN 13241:2003+A2:2016 must be met and verified, if necessary.

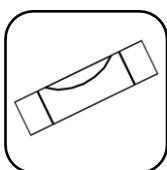
Before installation

List of tools



Laser level

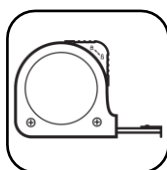
or



Spirit level



Plumb bob



Tape measure



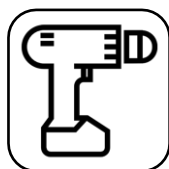
Pencil



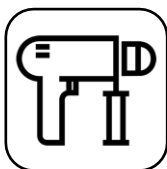
Utility knife



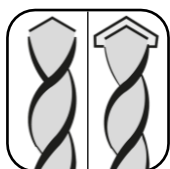
Cordex



Screwdriver
with bits



Perforator



Steel/Concrete
drills



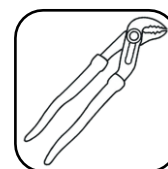
Allen keys



Flat wrenches



Phillips
screwdriver



Adjustable
pliers



Mallet



Hammer



Hacksaw



Grinder



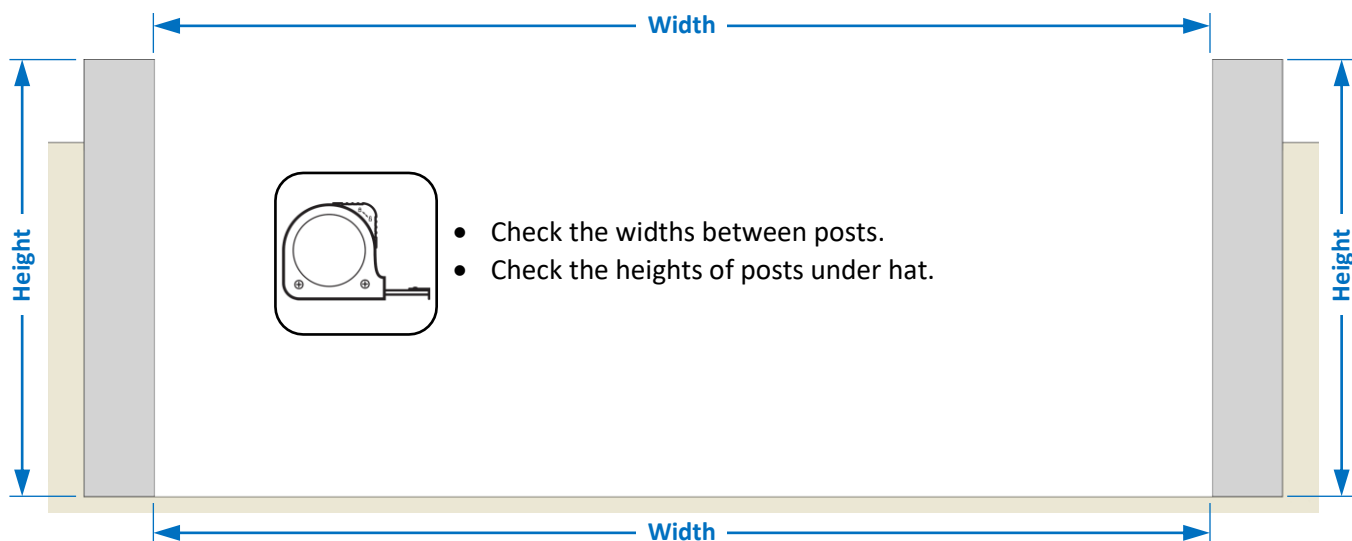
Mason's rule



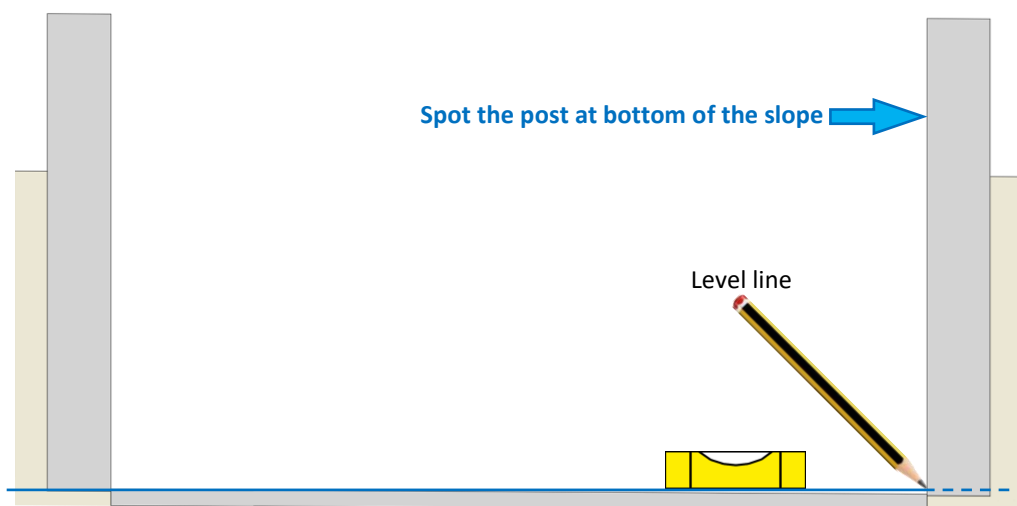
Long spout

Screws
and dowels
adapted to
the supports.

Check worksite dimensions

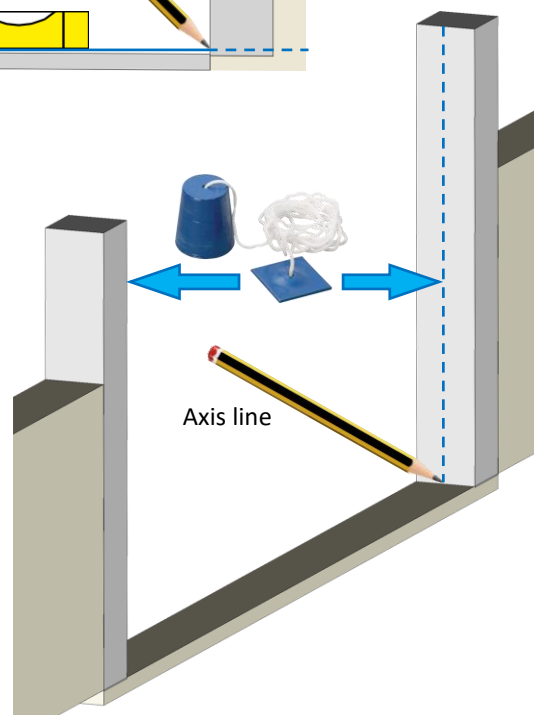


Check level 0, plumb and posts alignment



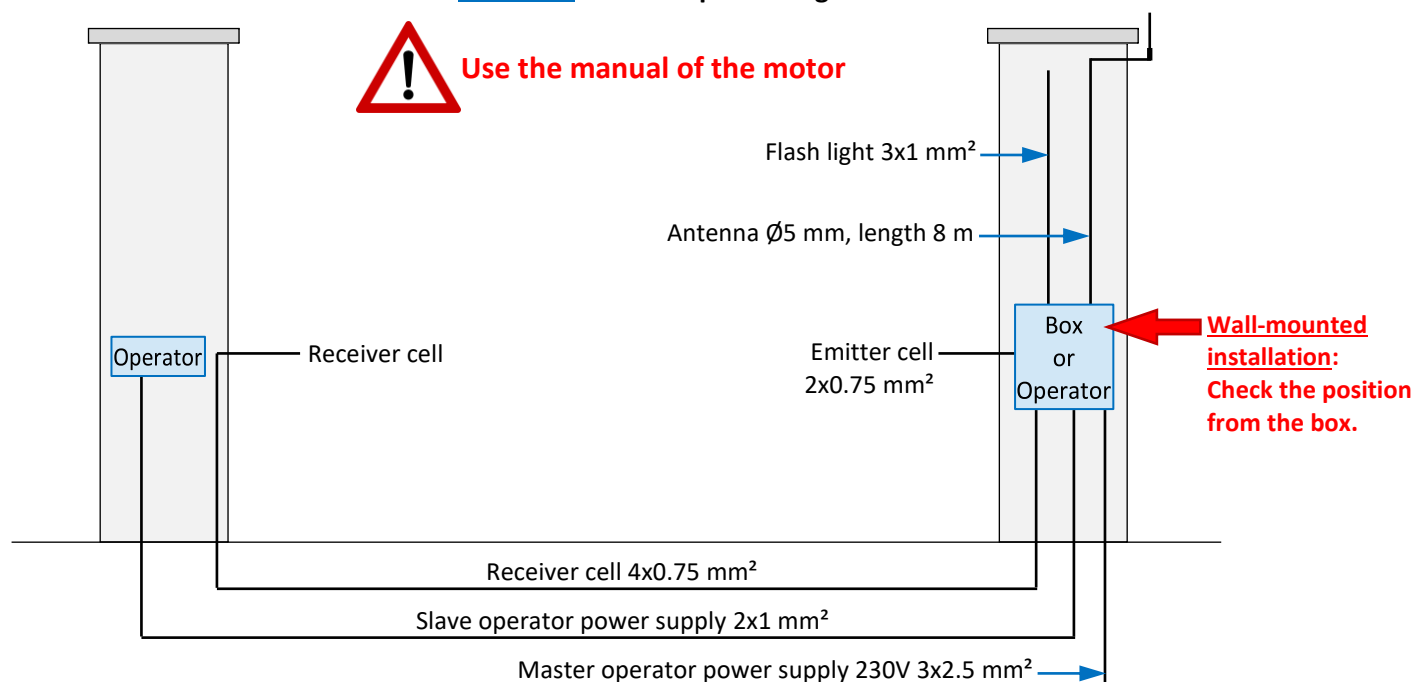
If posts are not aligned:

Use a plumb bob, trace the center line onto the posts so that they are aligned.



Wiring diagram

EXAMPLE: Master operator right hand side



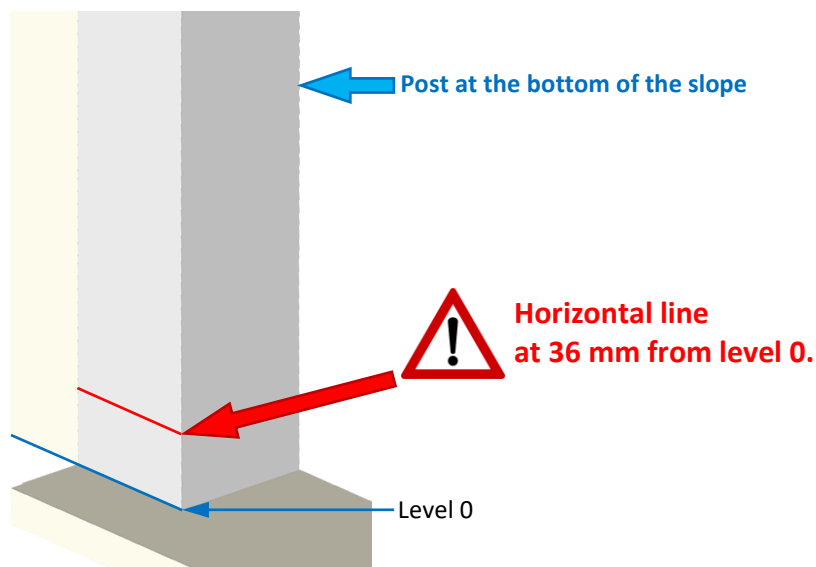
Installation

IMPORTANT, before the installation:

Check worksite dimensions, level 0, plumb and posts alignment;
detailed in the previous chapters.

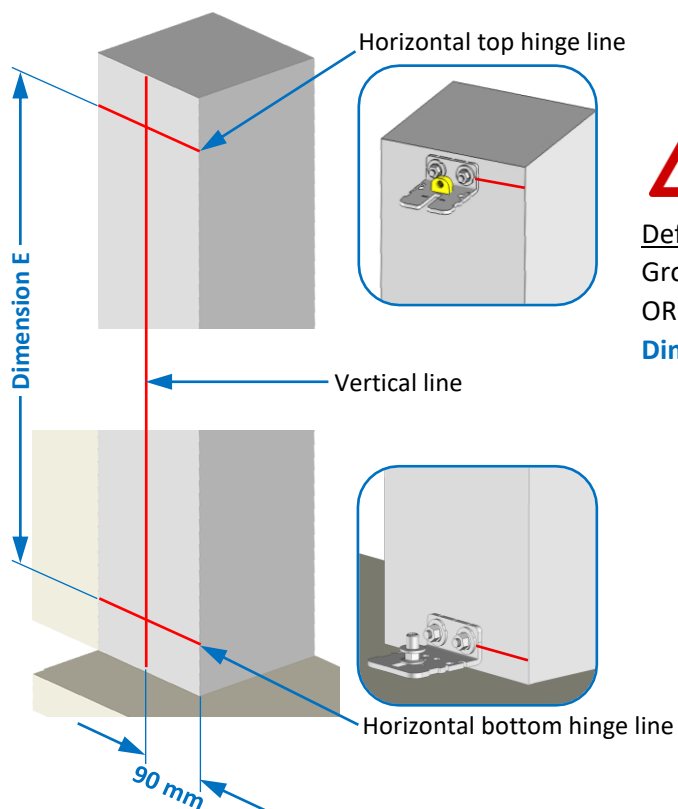
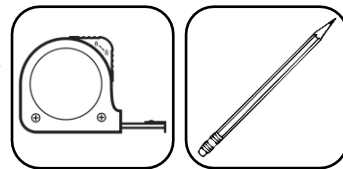
Position the holes for the brackets of the bottom and top hinge

1. On the post, determine the height of the holes for the bracket of the bottom hinge, by drawing a horizontal line on the face corresponding to the opening direction.



2. Calculate the **Dimension E**, draw a horizontal line at the top of the post.

Dimension E = Height between the drilling axis of the top hinge bracket and the bottom hinge.



Calculation of the E dimension

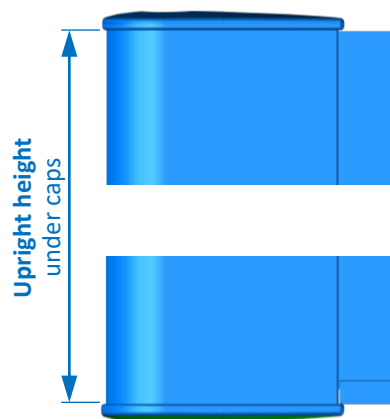
= HD + 5 mm.

Definition of HD on the order:

Ground height to the top of the last slat of the gate

OR less accurate:

Dimension E = Height of upright under caps + 47 mm.

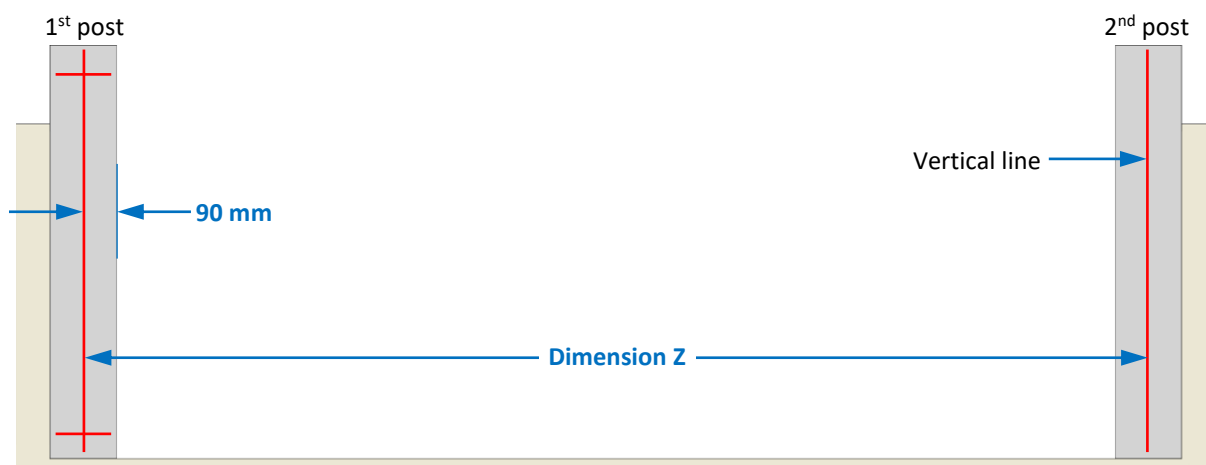


3. Draw a vertical line from at least 90 mm from the edge of the post.

4. Draw on the 2nd post, a vertical line at the **dimension Z** (see more below).

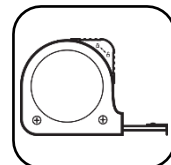
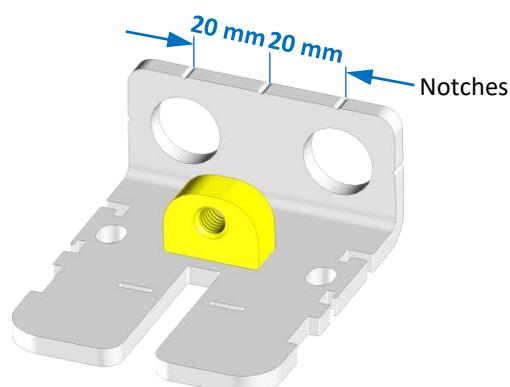
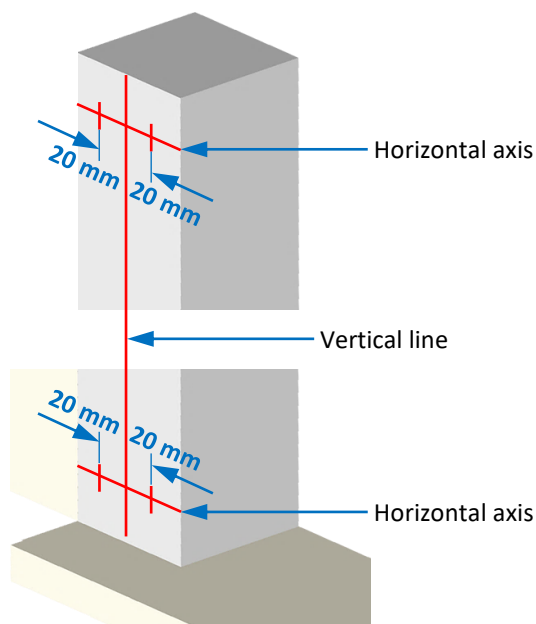
Calculation of the Z dimension = Width of Passage + 180 mm

Width of Passage: Can be stated as LP into the order form.



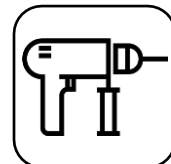
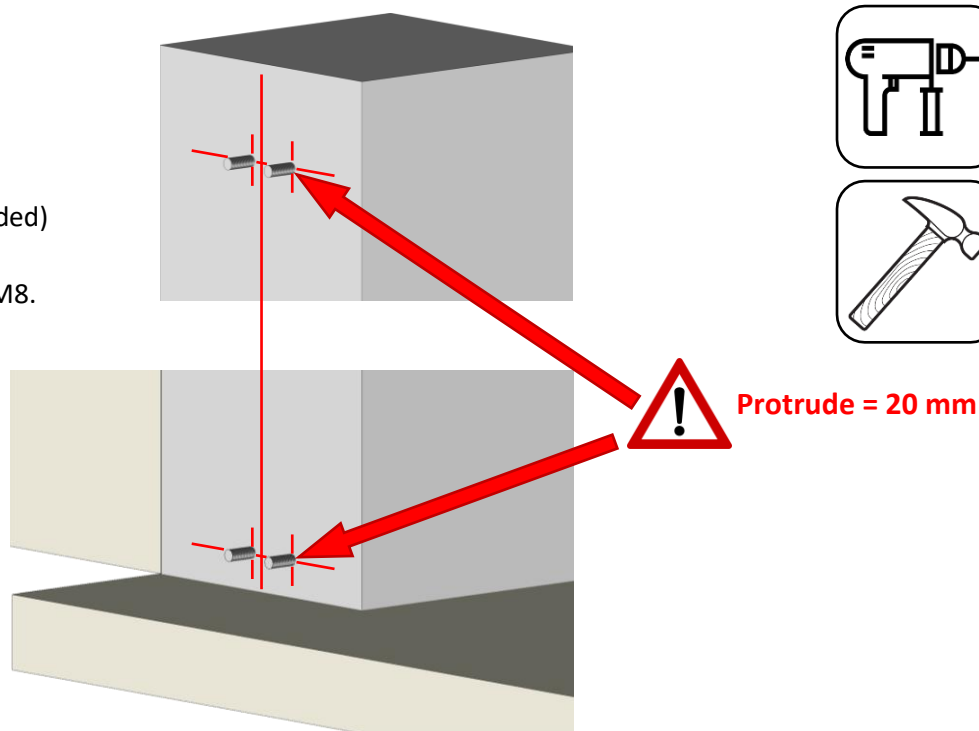
5. Draw the drilling positions of the top and bottom hinge brackets, by making 1 mark on each side of the vertical line previously performed, along the horizontal axis.

Note: The notches on the hinge brackets can be used to determine their positions.



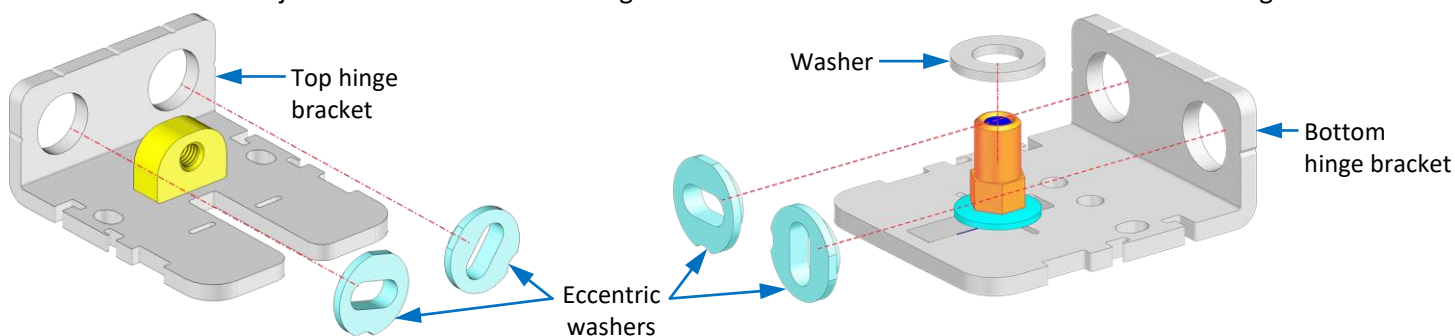
6. Drill the post and install fasteners (studs or threaded rods not provided) adapted to the support.

Note: Recommended fastenings M8.



Prepare the hinges' brackets

Install the eccentric adjustment washers on the hinge's brackets as well as the washer on the bottom hinge bracket.

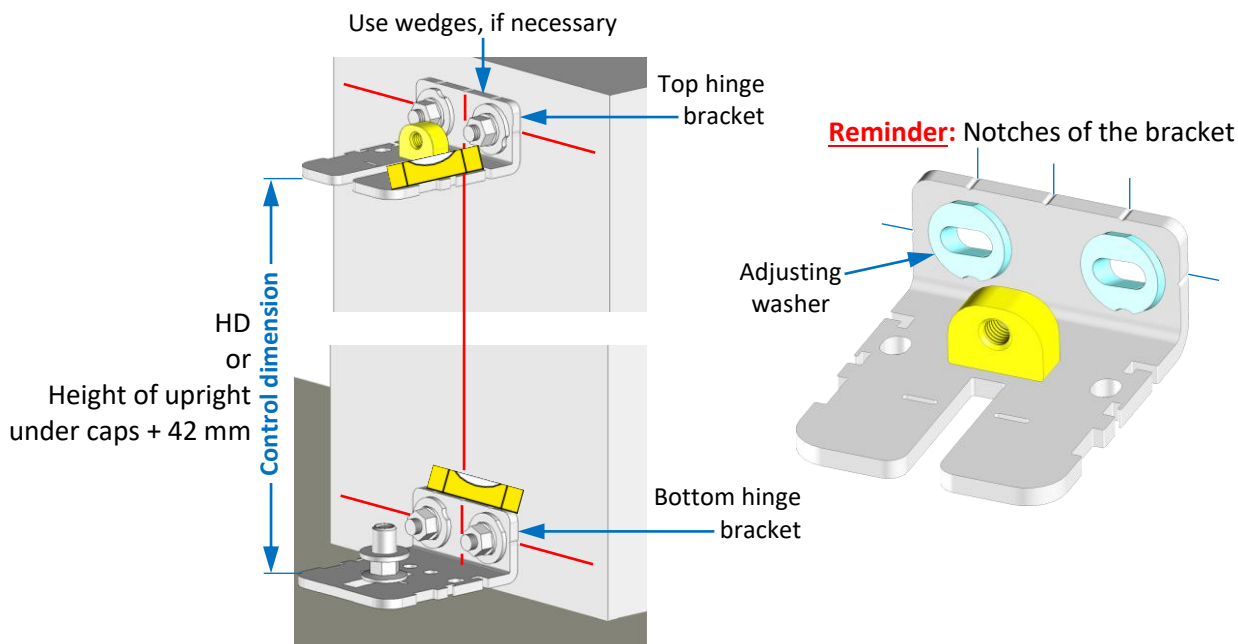


Fix the hinges' brackets

1. Position the top and bottom hinge's brackets onto the studs, level and align vertically.

Note: Use eccentric adjustment washers and notches on the brackets.

Then, bolt the bracket with washers and nuts (not provided).

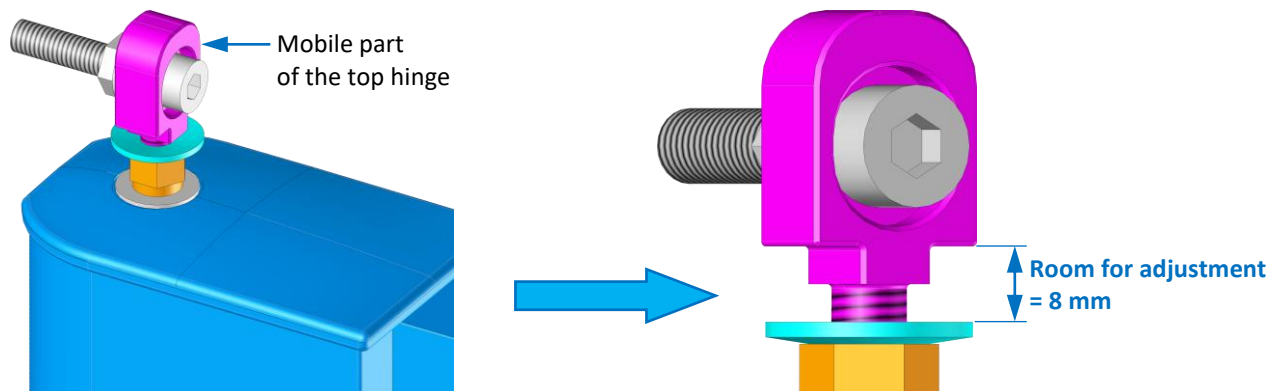


2. Repeat these operations on the 2nd post, following the chapters from **Position the holes for the brackets of the bottom and top hinge.**

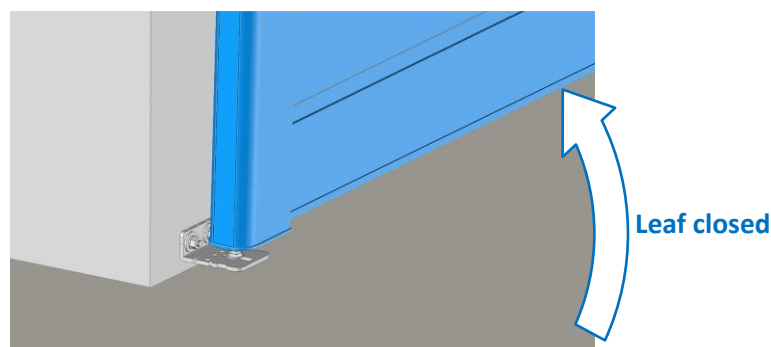
IMPORTANT: Ensure that the brackets of the bottom and top hinges are at the same levels.

Install the leaves

1. Mount the mobile part of the top hinge on the leaf's upright, leaving some room for adjustment:



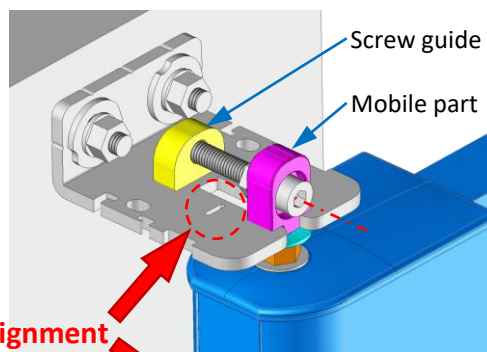
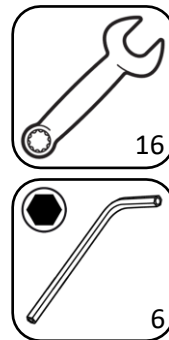
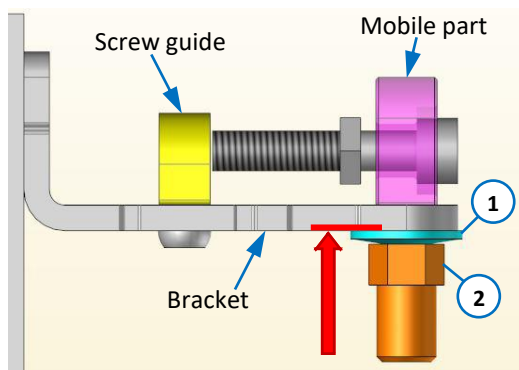
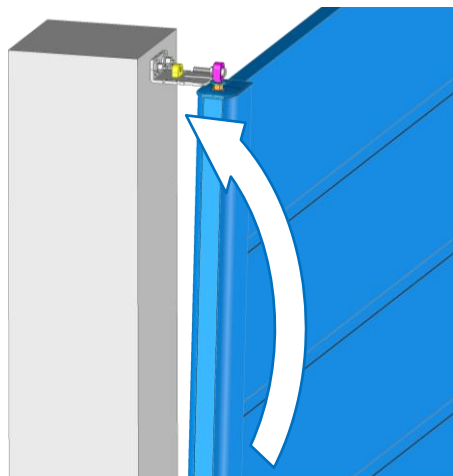
2. Present the closed leaf on the axis of the bottom hinge bracket:



3. Tilt the leaf towards the post then screw the mobile part of the top hinge into the screw guide, until the washer aligns with the mark on the bracket.

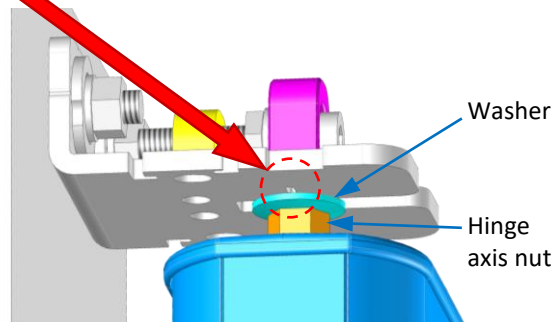
IMPORTANT:

- To screw the mobile part **smoothly**, position **the washer ① and nut ② in contact under the bracket.**



Alignment notch

4. Lock the mobile part by tightening the nut of the hinge shaft under the washer.

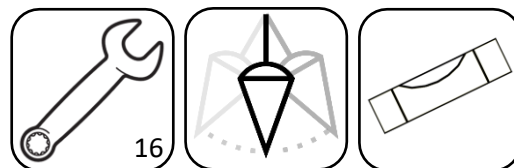


5. Repeat the operations of this chapter, on the 2nd leaf.

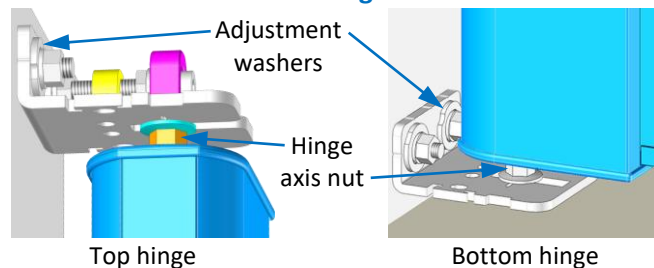
Completions

Adjusting the gate

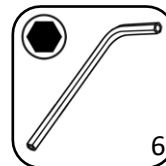
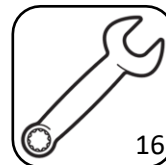
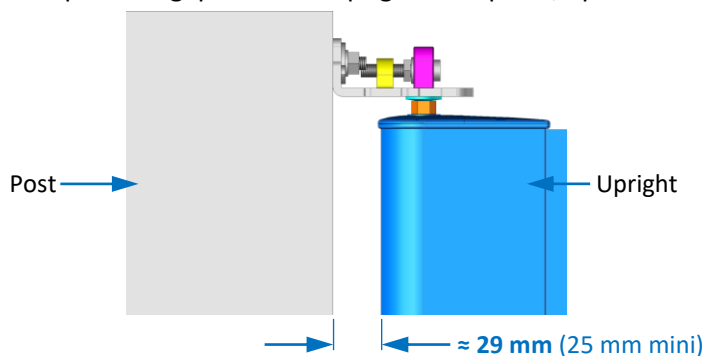
Move the brackets of the top and bottom hinges, while checking the plumb and alignment of the leaves, settle the following points:



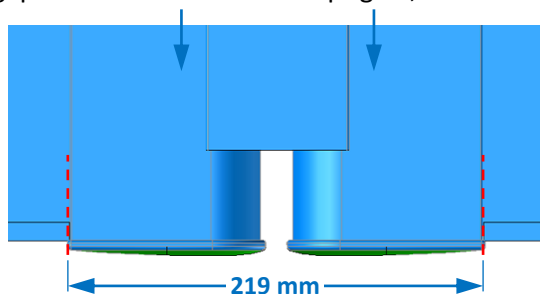
Settings



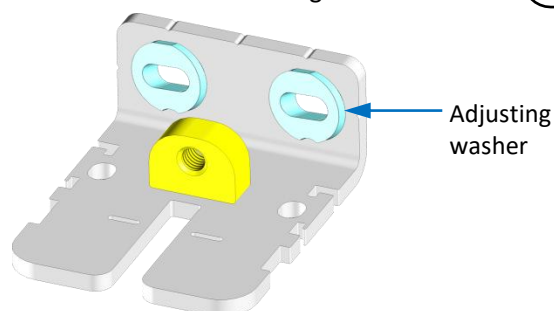
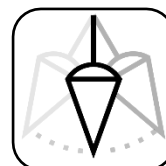
1. Respect the gap between uprights and posts, open leaves:



2. Respect the gap between the 2 central uprights, at the bottom of the door leaf:

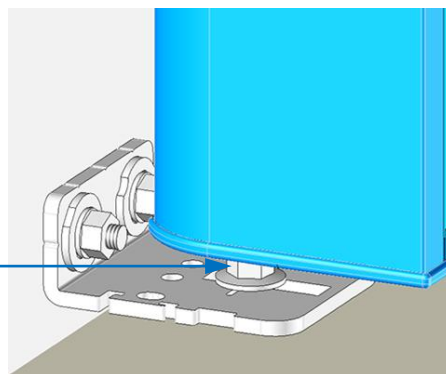
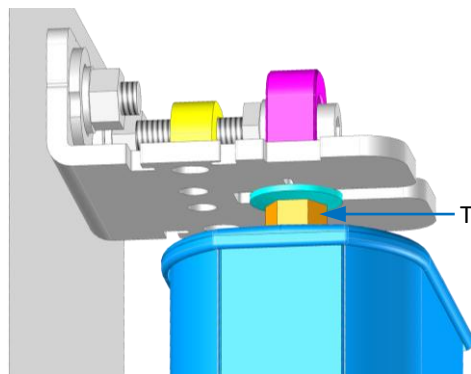


Note: The adjustment of the dimension is achievable only by the eccentric adjustment washers located on the hinge's brackets.



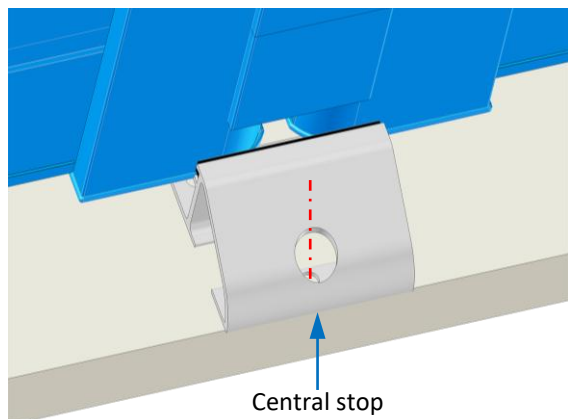
3. When adjusted, lock the position of the 2 leaves, by tightening the "Top and bottom hinge shafts".

Tightening torque = 20 N.m.

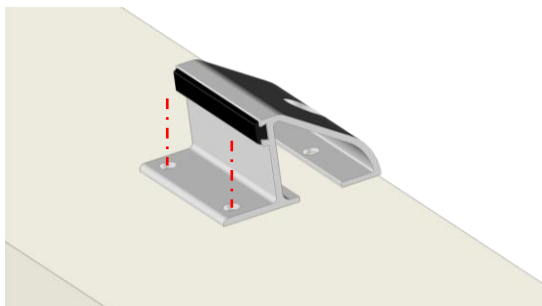


Install the central stop

1. Gate closed, center the central stop in the middle of the 2 central uprights, then mark the front drilling point.

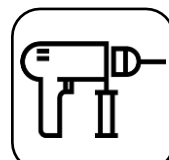
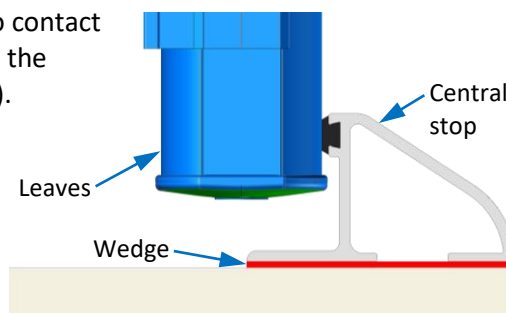


2. Without moving the central stop, open the gate and mark the other 2 holes at the back, see figure more below.



3. Remove the central stop, drill the ground and insert 3 struck dowels M8 provided with its washers, then fix it.

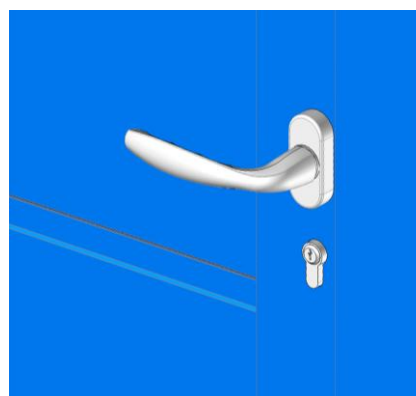
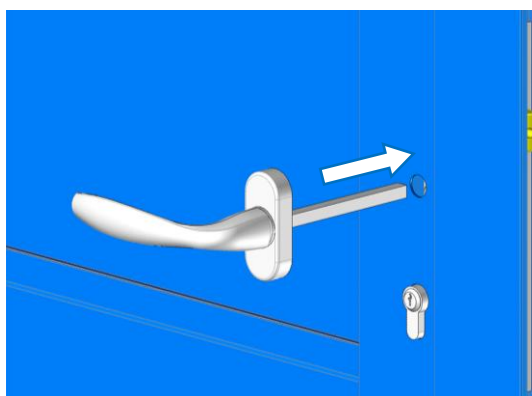
Note: When closing the gate, the 2 leaves must come into contact against the central stop. If this is not the case, raise the central stop with the help of wedges (not provided).



OPTION: Intall the handles and strike plate

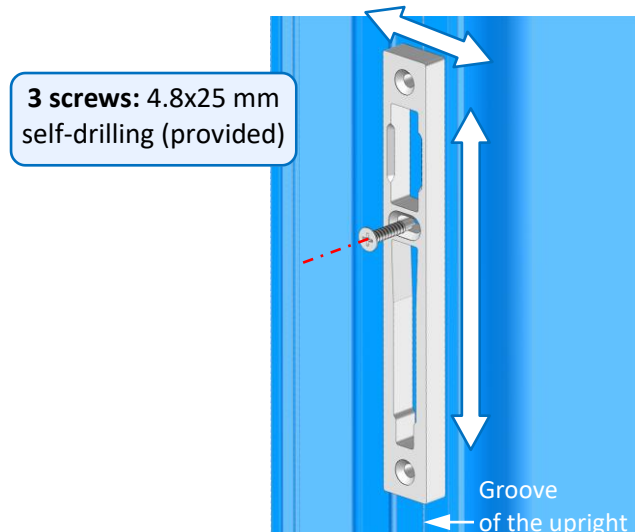
1. Install the handles with the square shaft (provided in the accessory box).

Note: Refer to the assembly instructions, available in the box containing the handle.



2. Identify the vertical position of the strike plate, then fix it with the central screw into the groove of the upright.

Note: Using the oblong hole, adjust its horizontal position so that the latch and bolt slide freely.

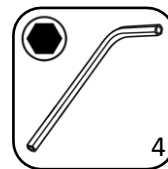
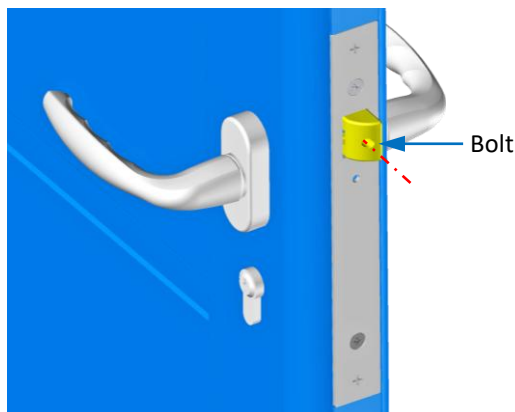


3. After the adjustment, lock the strike plate with the 2 other screws.



4. Depending on the opening direction, turn the bolt accordingly.

Note: It can be adjusted in depth.

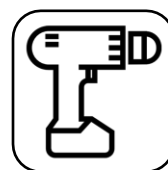
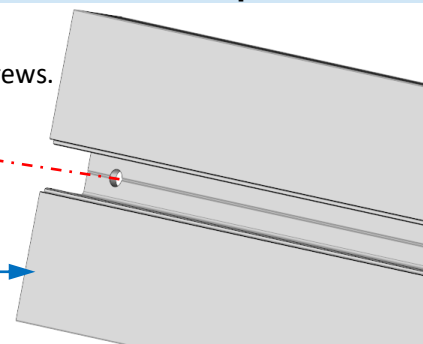


OPTION: Install the motorization reinforcement plate

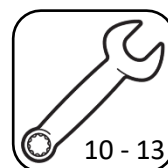
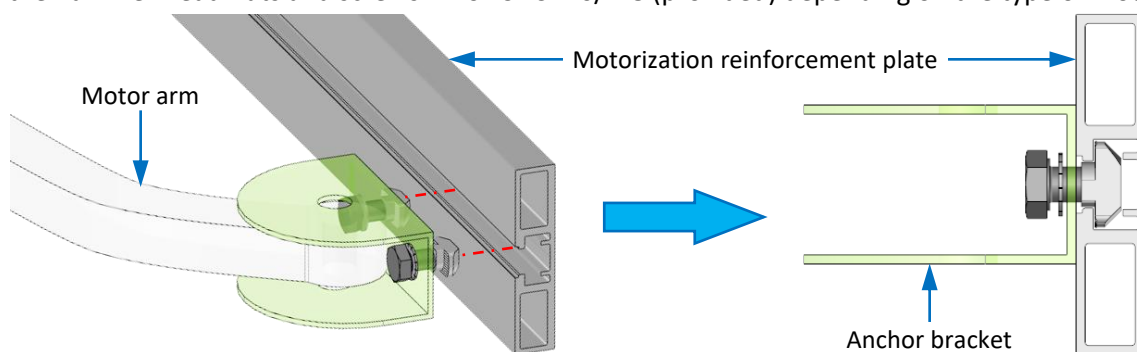
1. Depending on the height of the motor arm, fix the motorization reinforcement plate on the leaf using the self-drilling SR2 4.2x16 screws.

Tightening torque = 2 N.m.

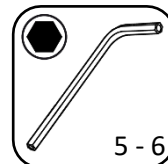
Motorization reinforcement plate



2. Screw the motor arm into the motorization reinforcement plate using the fan type washers and the hammer head nuts and screws TH or CHC M6/M8 (provided) depending on the type of motor.

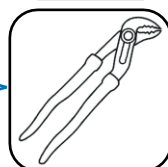
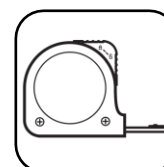
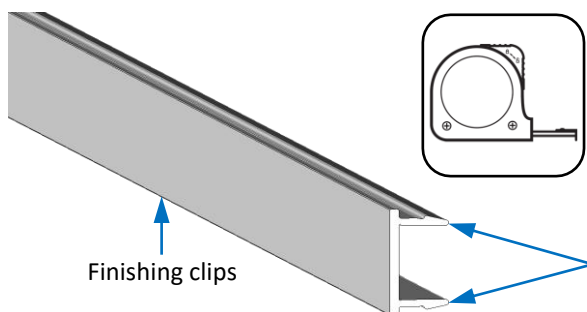


or



3. After adjusting the arm, measure the finishing clips. Cut them to measure, then clip them onto the reinforcement of each side of the anchor bracket.

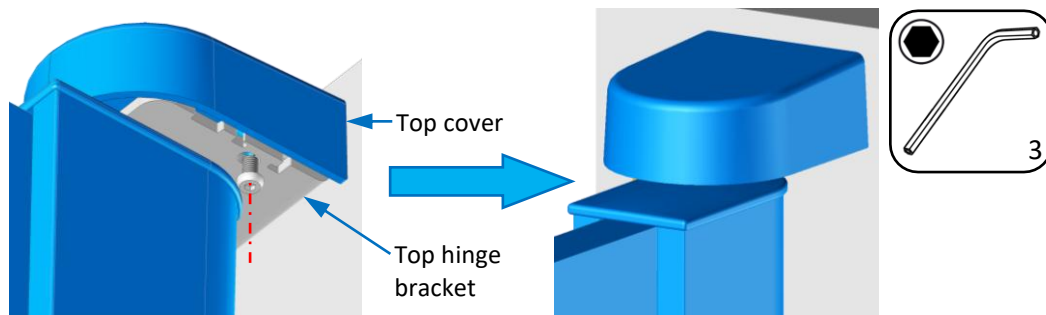
Note: If the grip is a bit weak, slightly deform the clip tabs accordingly.



4. Repeat the operations of this chapter, on the 2nd leaf.

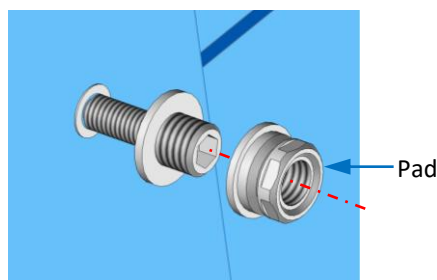
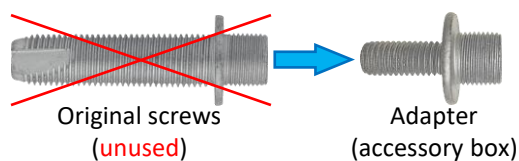
Fix the top covers

Open the leaves and screw the top covers on the brackets of the top hinges with a M6x10 mm provided screw.

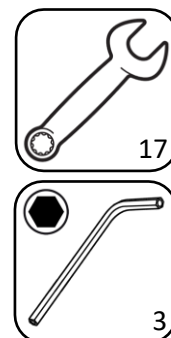
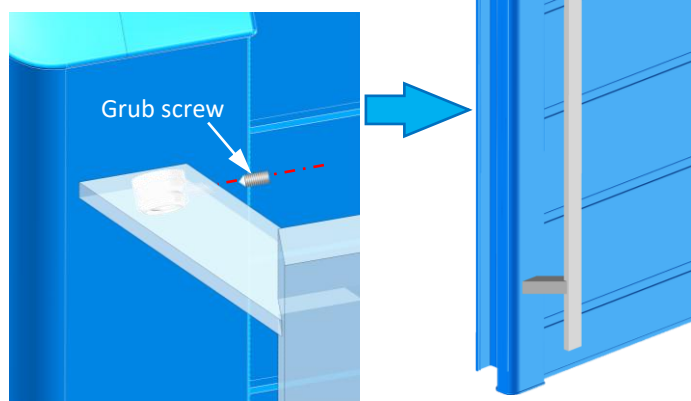


OPTION: Install the Marshal stick handle

1. Screw the 2 adapters M8/M12 with the pads in the inserts of the upright.

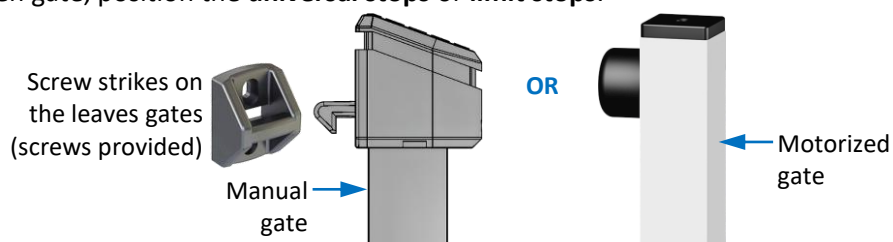


2. Present the Marshal stick handle on the 2 pads and lock it with the 2 grub screws.



OPTION: Install the universal stops (manual gate) or limit stops (motorized gate)

- 1. Open gate, position the universal stops or limit stops.**



Note: They must be installed as far as possible from the hinges (max. last one third of the leaf).

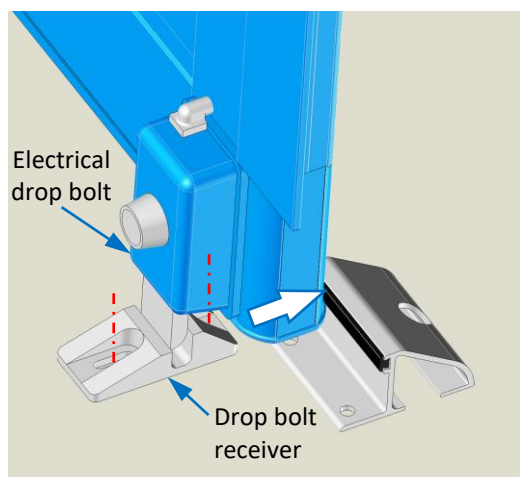
2. Carry out the markings on the ground.
3. Close the leaves of the gates.
4. Seal onto the ground the universal stops or the limit stops.

If motorized gate: Refer to the installation instructions of the motors.



OPTION: Install the drop bolt receiver

1. After the adjustment of the motor, close the gate so that the leaves come into contact against the central stop.



2. Position the drop bolt receiver under the electrical drop bolt, then mark the front holes.
3. Without moving the drop bolt receiver, open the gate and mark the back holes.
4. Remove the drop bolt receiver, drill the ground and install fasteners (studs or threaded rods not provided) adapted to the support, then fix it.

Note: Recommended fastenings M8.

Note: If slope defect are observed, raise the drop bolt receiver, so that the base is aligned at level 0.

