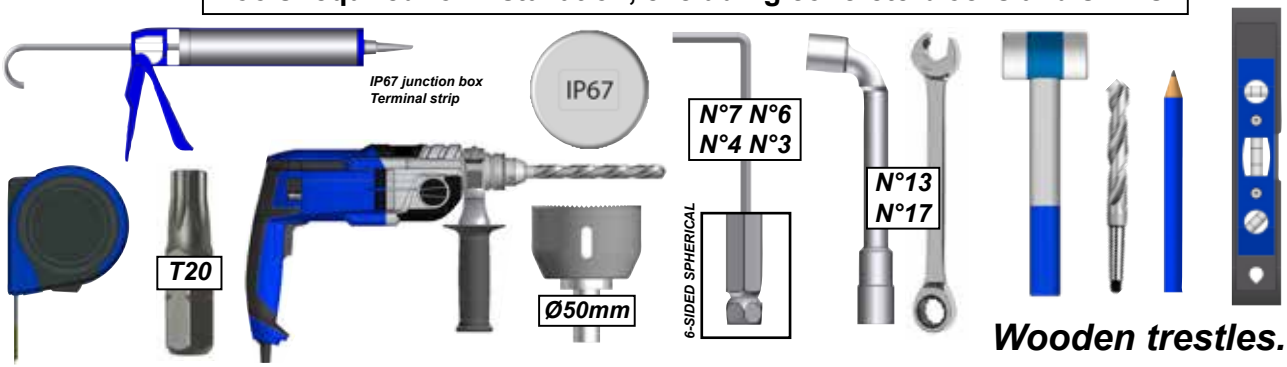
PERGO-BSO-H3-PARA

INSTALLATION INSTRUCTIONS
PERGOLA WITH PARALLEL SLATS

3 people Minimum
1 day

PREPARING FOR INSTALLATION

Tools required for installation, excluding concrete blocks and shims.



ATTENTION

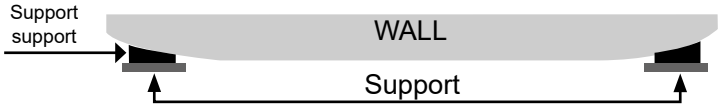
ATTENTION! PLEASE READ THIS USER MANUAL BEFORE USING AND INSTALLING THE PRODUCT. KEEP THESE INSTRUCTIONS FOR FUTURE REFERENCE. The installation of a pergola must be carried out with care due to its constraints and requires a certain level of skill:

- Measuring and levelling the supports and structure
- Drilling the wall and floor - Installing chemical sealants or suitable fixings
- Working at height and handling heavy loads
- Electrical connection in the case of an electrically operated pergola.
- Working at height and handling heavy loads.
- Electrical connection in the case of an electrically operated pergola. If you have any doubts about the correct and safe installation of your pergola, call in a professional.
- The pergola must be installed according to the rules of the trade. A minimum of three people are required, using personal protective equipment (PPE) and suitable materials. In the event of a problem, please consult a person qualified in this product for assistance
- Follow the safety instructions to prevent damage from incorrect use! This product presents a risk of falling and serious personal injury. All the assembly steps must be followed to the letter. Incorrect fixing or incorrect installation could cause the pergola to fall or break. It is important for people's safety to follow these instructions:
- It is strictly forbidden to climb on the pergola's slat curtain.
- It is strictly forbidden to climb on the pergola's structure.
- It is the installer's responsibility to ensure that the pergola is securely fastened to the ground.
- The manufacturer accepts no responsibility for damage caused to the pergola or its contents by natural disasters or special events for all pergolas installed in non-compliance with the recommendations in the installation instructions.
- In the event of heavy snowfall, remove the snow from the pergola. Never allow snow to accumulate.

BEFORE BEGINNING INSTALLATION, ***check the contents of the parcel(s) you have received. If anything is missing, please contact our technical department as soon as possible (do not assemble the structure if any parts are faulty).***

Attention, take into account the slope of your terrace when installing the Pergola. Shim the ground fixing plates or change the height of your installation to level the structure at 0°.

Check that your wall is flat. If the wall is hollow or curved, secure the cassette awnings to ensure correct alignment.
If there is no concrete slab on the ground, place concrete blocks at each foot to secure the supports.
Size and composition of concrete blocks :
- 63cm x 63cm x 63cm (500Kg) + REINFORCEMENT.

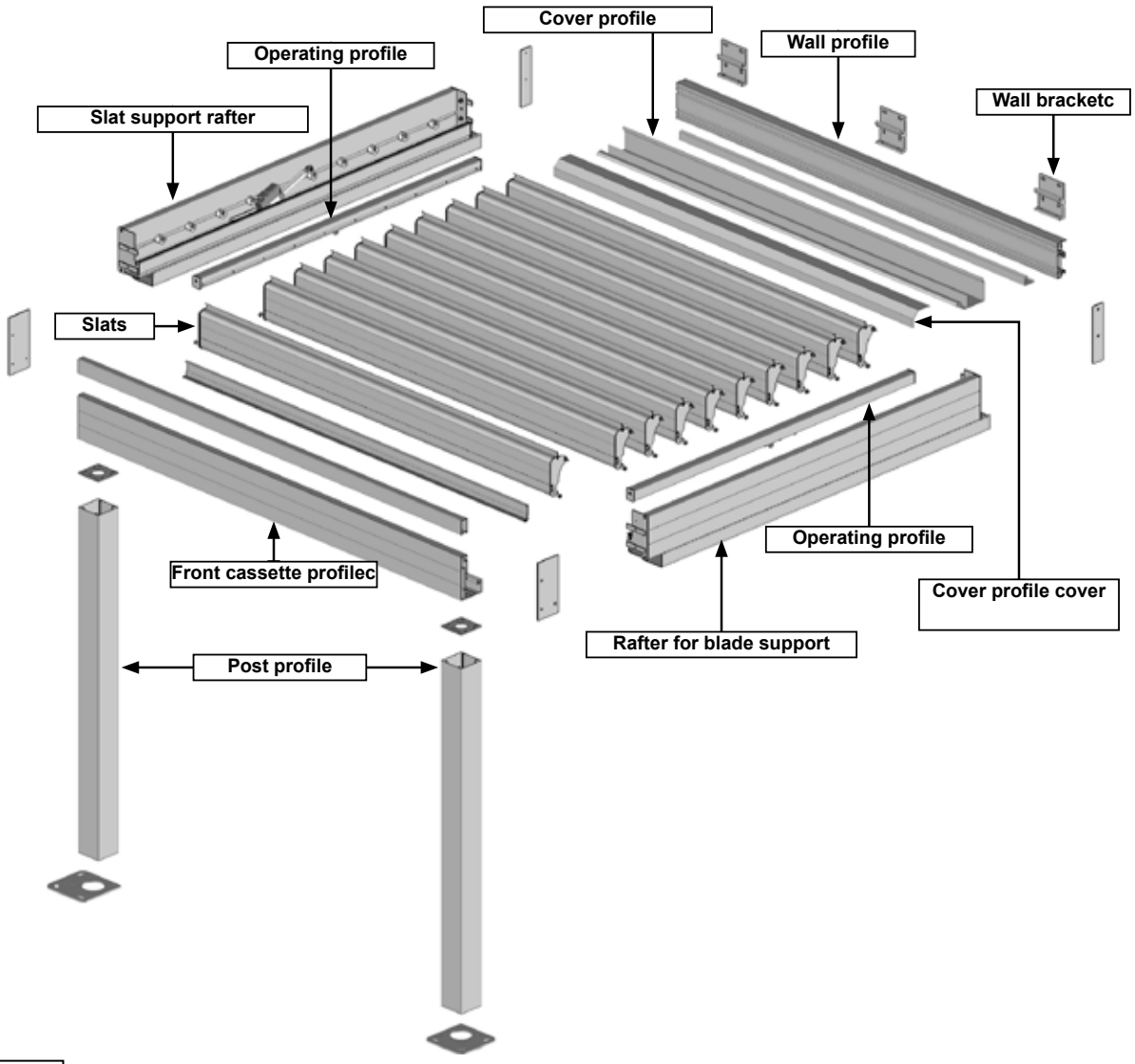


Recommendation: We recommend greasing stainless steel screws before assembly to prevent seizure due to heating of the fasteners when screwing in too quickly. We also recommend that you tighten the screws gradually, using a moderate torque.

H3PARA-0724AFR-44P

Non-contractual drawings

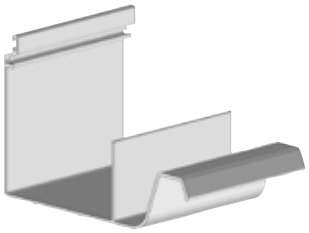
PARALLEL SLAT PERGOLA



Profiles.

PA34:
Nb : nb of spans + 1

PBSO47 :
Nb : 1 per span

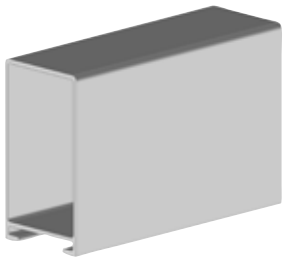


PBSO4003 :
Nb : 1 per span

AE9502 :
Nb : 1 per span

PBSO48 :
Nb : 1 (< 7m)
Nb : 2 (> 7m)

PBSO4503 :
Nb : 1 (< 7m)
Nb : 2 (> 7m)



PBSO4702:
Nb : 1 (< 7m)
Nb : 2 (> 7m)

PBSO4703:
Nb : 1 per span

The parts.

Important : ***some screws and parts can be pre-assembled in the factory. Check all parcels delivered.***

Screws for 1 x S275 02

PLP10494

x2

Ø8

16mm

x2

Screws for 2 x JBSO52 02

Ø4.8mm
TORX Powder-coated

25mm

x4

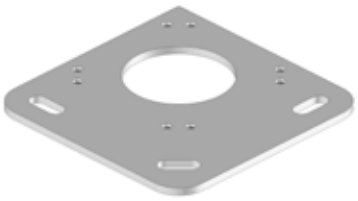
Screws for 2 x JBSO45 06

Ø4.8mm
TORX Powder-coated

25mm

x6

Screws for 2 x ST45 02



Ø5.5mm
CRUCI

38mm

x8

Screws for 1 x ST45
Intermediate posts only

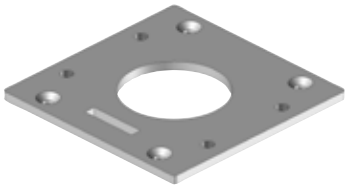
Ø8mm
CRUCI

38mm

x4

JO48 :
Nb : 0 simple span
Nb : 1 double span

Screws for 1 x ST47
Pre-mounted on pole



Ø8mm

14mm

x4

Ø8mm

x4

Ø5.5mm
CRUCI

38mm

x4

Screws and bolts for slats

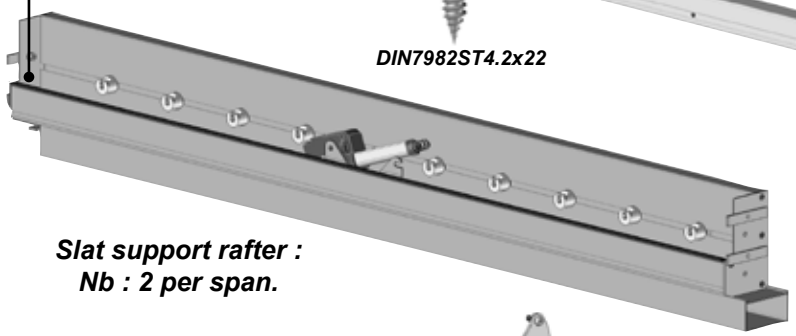
DIN6912M8x20mm
Nb : 2 x slats

PLB9041 :
Nb : 2 x evacuation

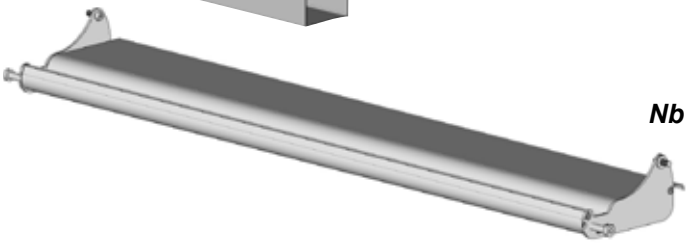
Sets.

DIN7982ST4.2x22

Operating profile :
Nb : 2 per span.



Slat support rafter :
Nb : 2 per span.



Slat :
Nb : Variable

Note : **exploded page 43.**

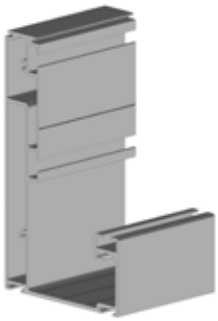
Connecting pieces. Structure >7m only.

PLA1492
Nb : 2 per connection

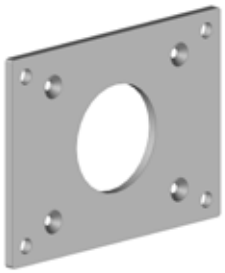
DIN912M8x20 + Washer Ø8
Nb : 6 per connection

PS135EX :
Nb : 1 per connection

Offset post option. See pages 29 to 32.

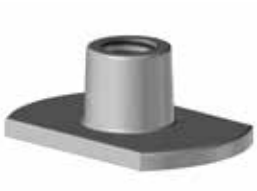


PBSO45 04 :
Nb : 1 (< 7m)
Nb : 2 (> 7m)



ST47 07 :
Nb : Number of posts

DIN7380M6x8mm :
Nb : 4 x ST4707



PLS6506 :
Nb : 4 x ST4707

JBSO4514 :
Nb : 2 per product
(Left and right piece)

IMPORTANT :

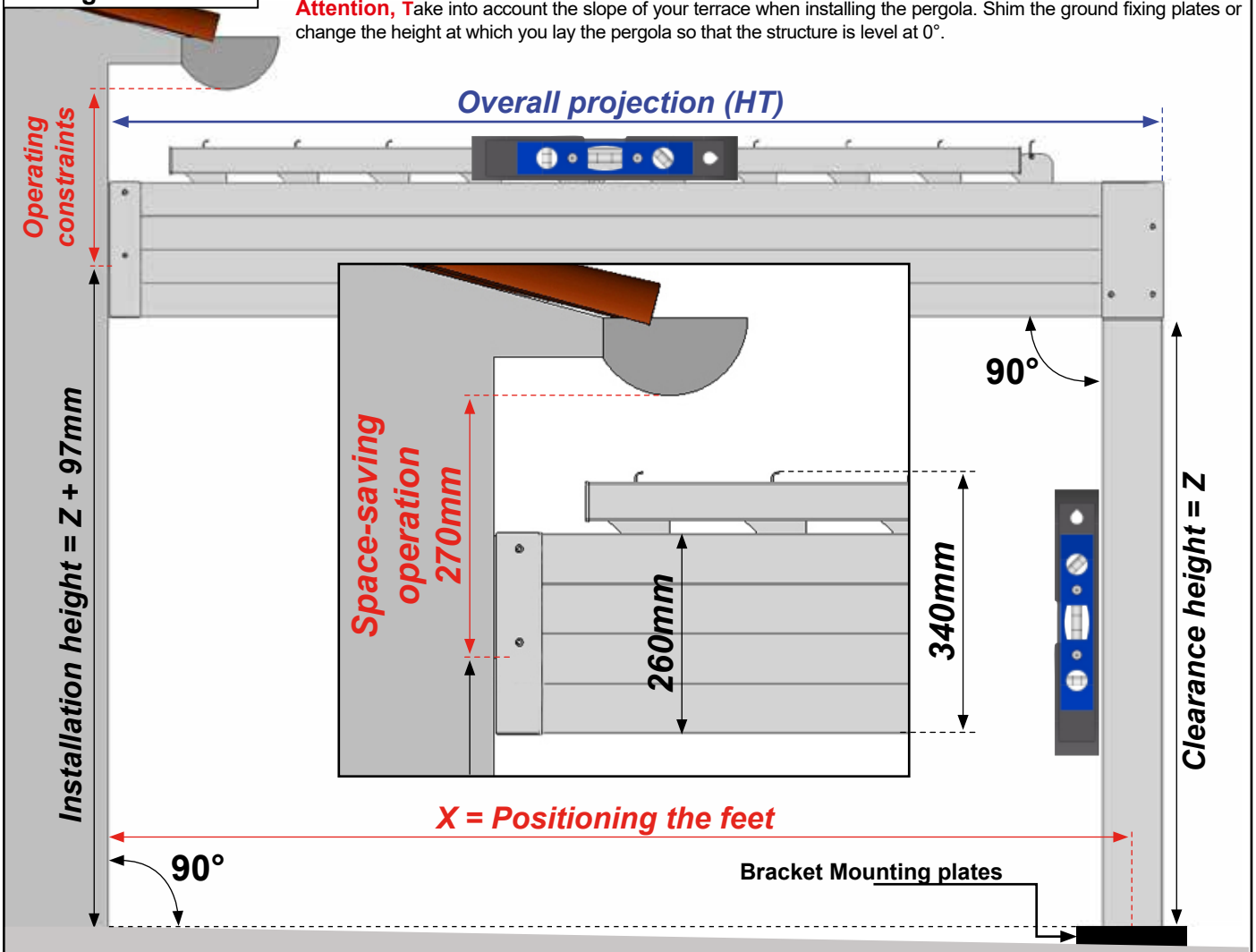
PBSO45 04 replaces PBSO45 03

ST47 07 replaces ST47

JBSO45 14 replaces JBSO45 06

Setting the scene.

Attention, Take into account the slope of your terrace when installing the pergola. Shim the ground fixing plates or change the height at which you lay the pergola so that the structure is level at 0°.

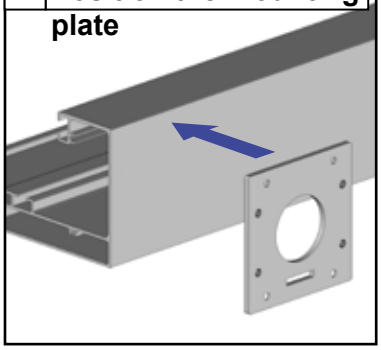


Slats	Projection	X	Slats	Projection	X	Slats	Projection	X
5	1137	1080mm	15	2887	2830mm	25	4637	4580mm
6	1312	1255mm	16	3062	3005mm	26	4812	4755mm
7	1487	1430mm	17	3237	3180mm	27	4987	4930mm
8	5512	5455mm	18	3412	3355mm	28	5162	5105mm
9	1837	1780mm	19	3587	3530mm	29	4337	5280mm
10	2012	1955mm	20	3762	3705mm	30	5512	5455mm
11	2187	2130mm	21	3937	3880mm	31	5687	5630mm
12	2362	2305mm	22	4112	4055mm	32	5862	5805mm
13	2537	2480mm	23	4287	4230mm	33	6037	5980mm
14	2712	2655mm	24	4462	4405mm			

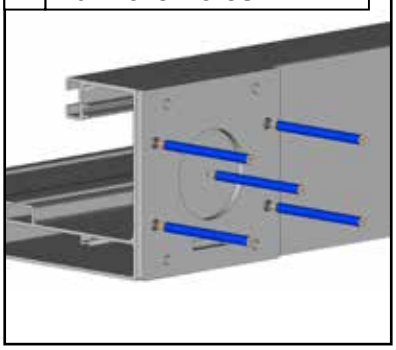
Mechanisation of water drainage and mechanisation of pole fixing.

This operation should only be carried out if the mechanisation has not been carried out by us. Attention, the drainage systems are coaxial with the posts. Make sure they are correctly positioned before drilling. Evacuation to be carried out at each pole.

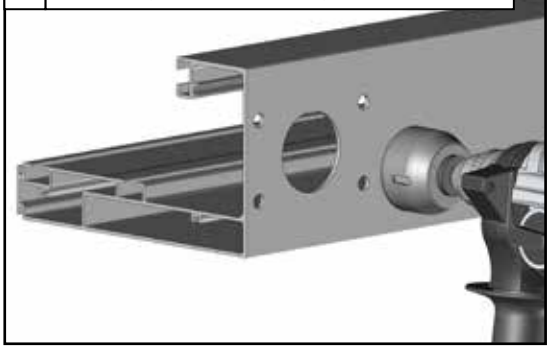
A Position the mounting plate



B Mark the holes.



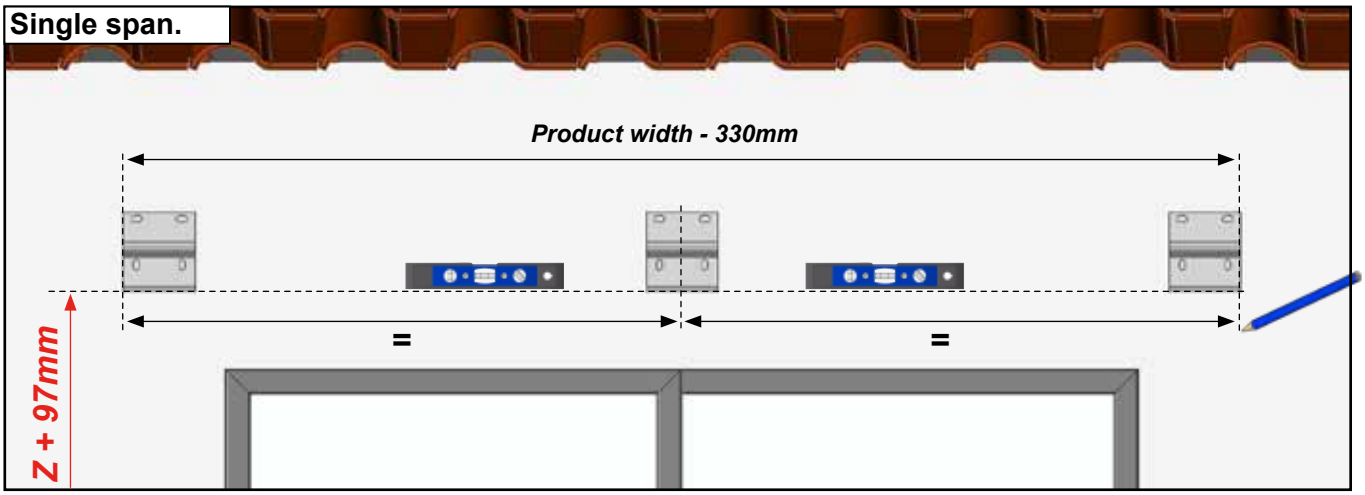
C Drill 1xØ50mm + 4xØ9mm.



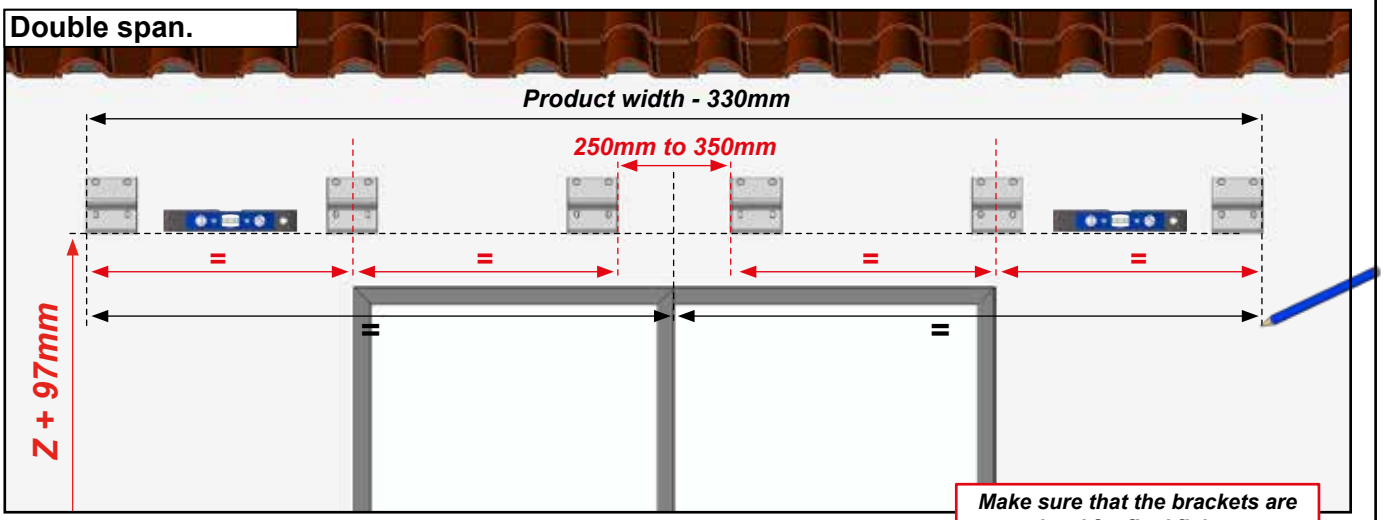
1 Fitting wall brackets.

The wall brackets are positioned evenly on the wall in each span. 3 wall brackets are required per span.

Single span.

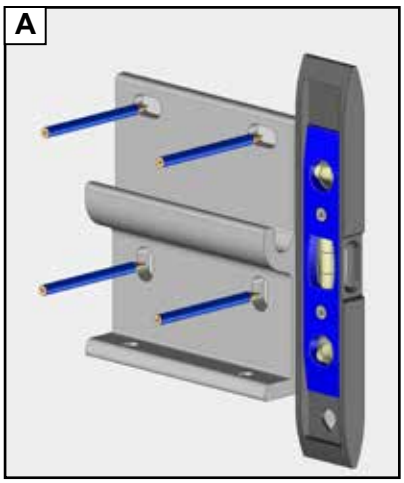


Double span.



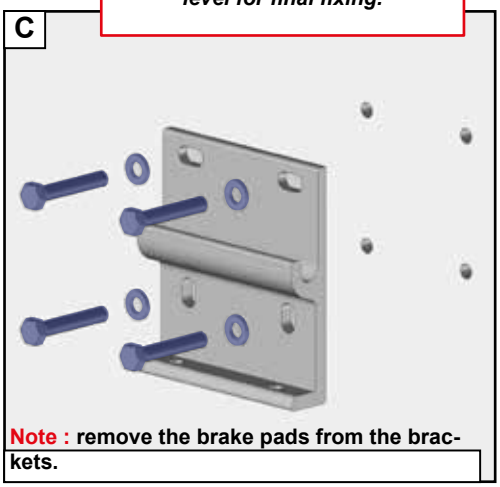
Make sure that the brackets are level for final fixing.

A



B

C



Note : remove the brake pads from the brackets.

Adapt fixing to the type of wall. Fixing with Ø10mm screws. Screw and washer kit not supplied. For installation using a chemical sealant kit, refer to the instructions for use of the product used.

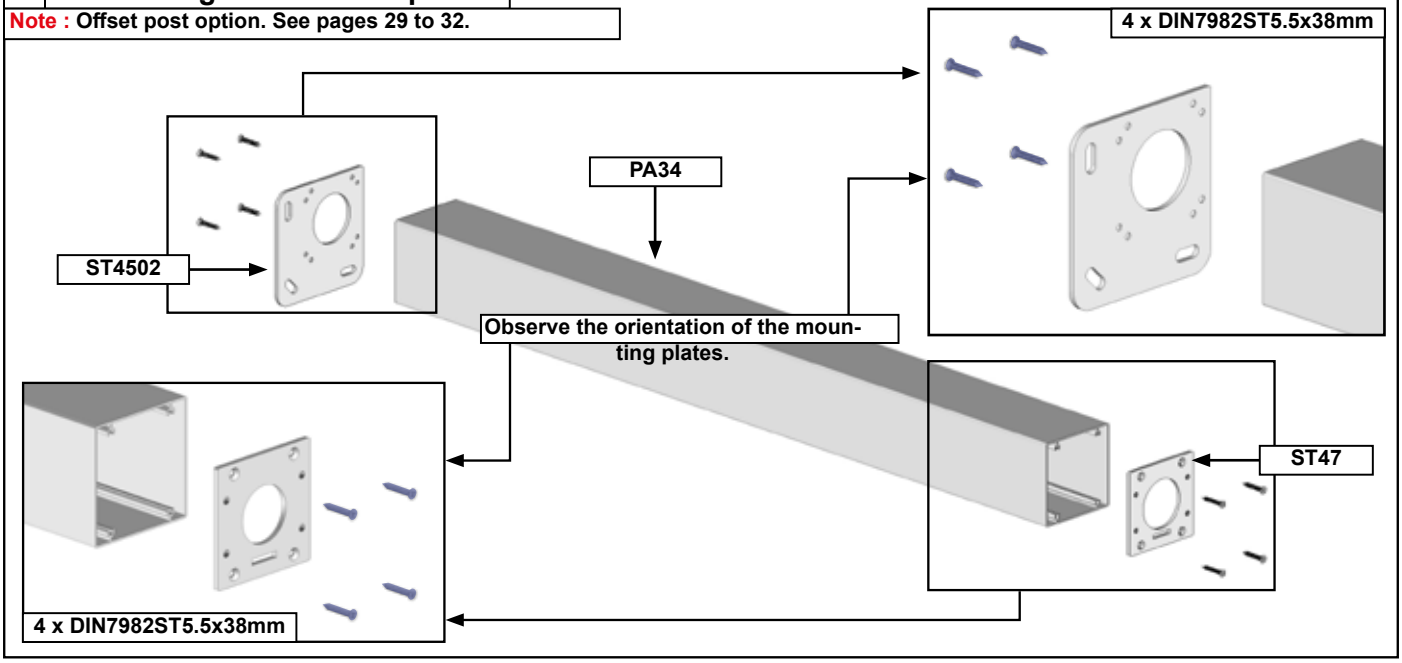
IMPORTANT :

Check that the wall supports are level and aligned before continuing with the installation.

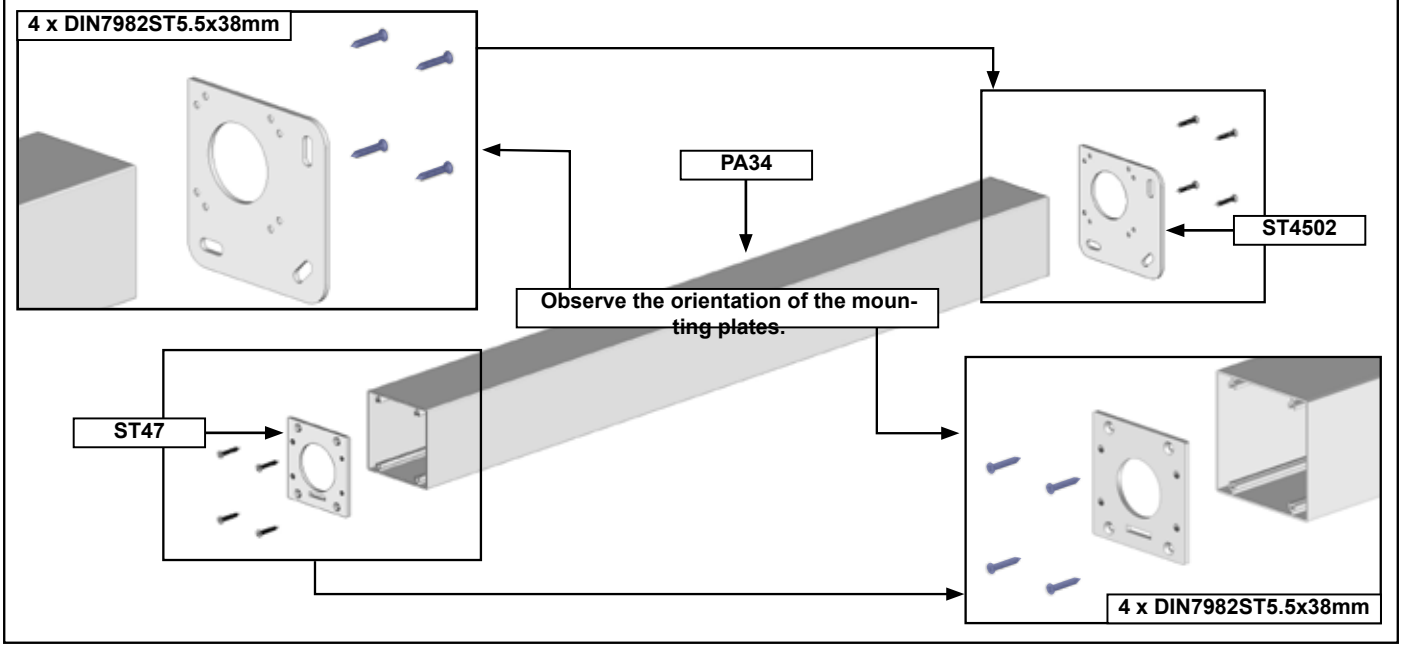
Check ☑, continue with the pergola installation. Check ☒, reposition any plates that are not level or aligned correctly.

2 Assembling the left-hand post.

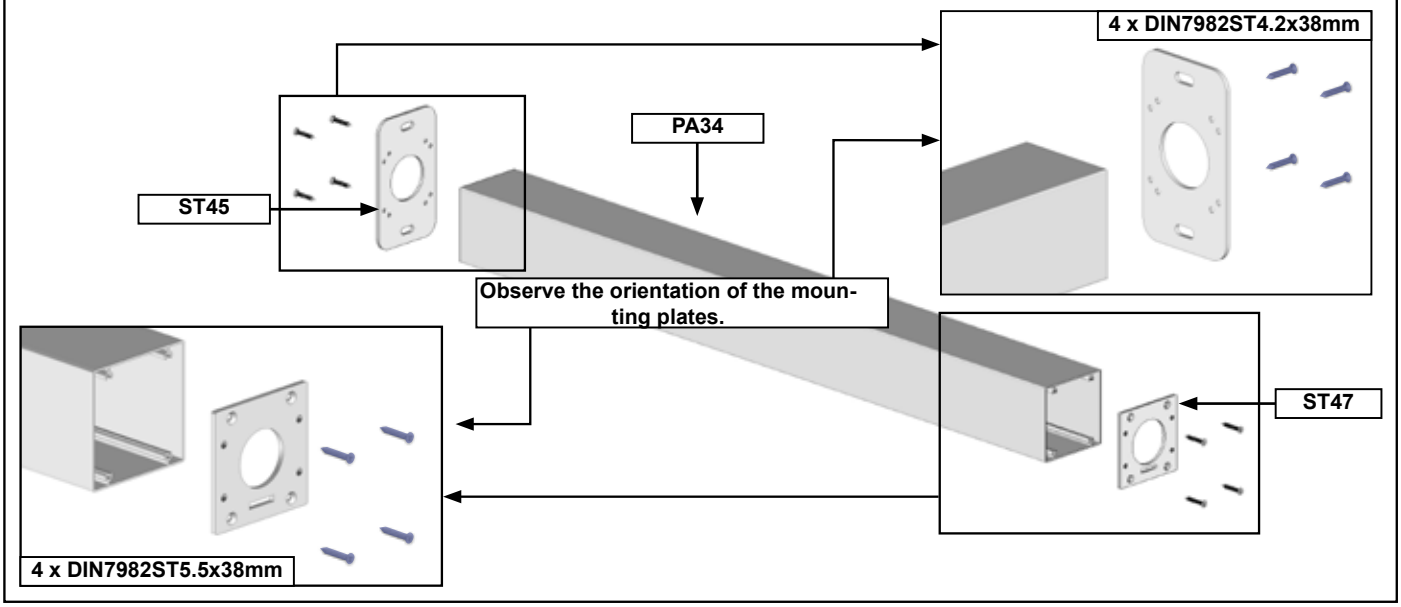
Note : Offset post option. See pages 29 to 32.



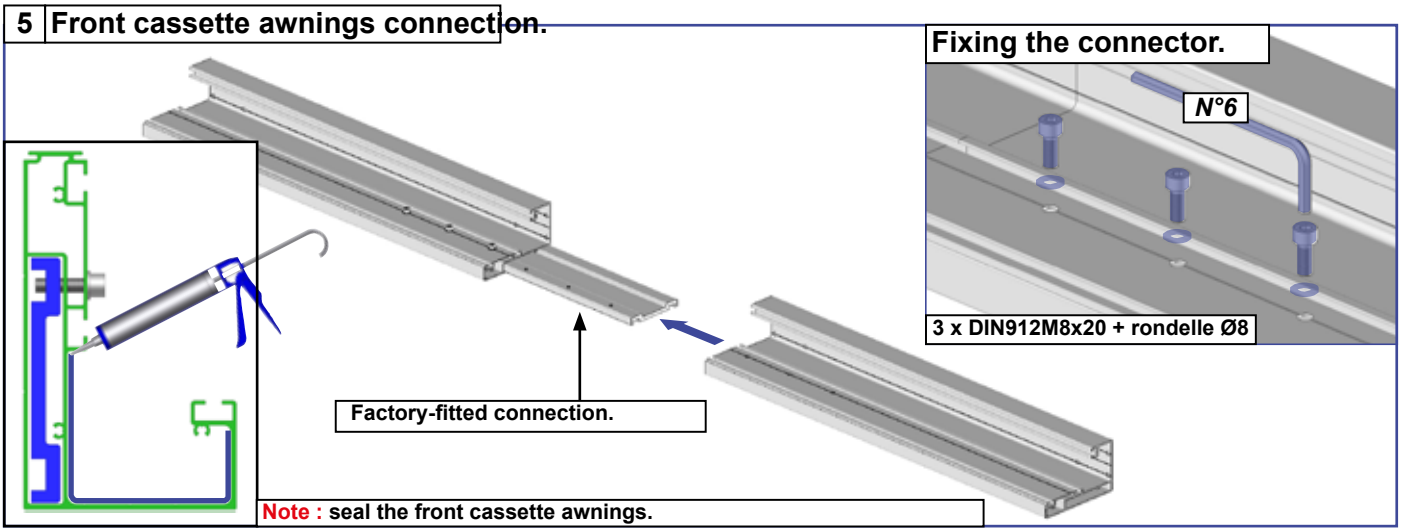
3 Assembling the right-hand post.



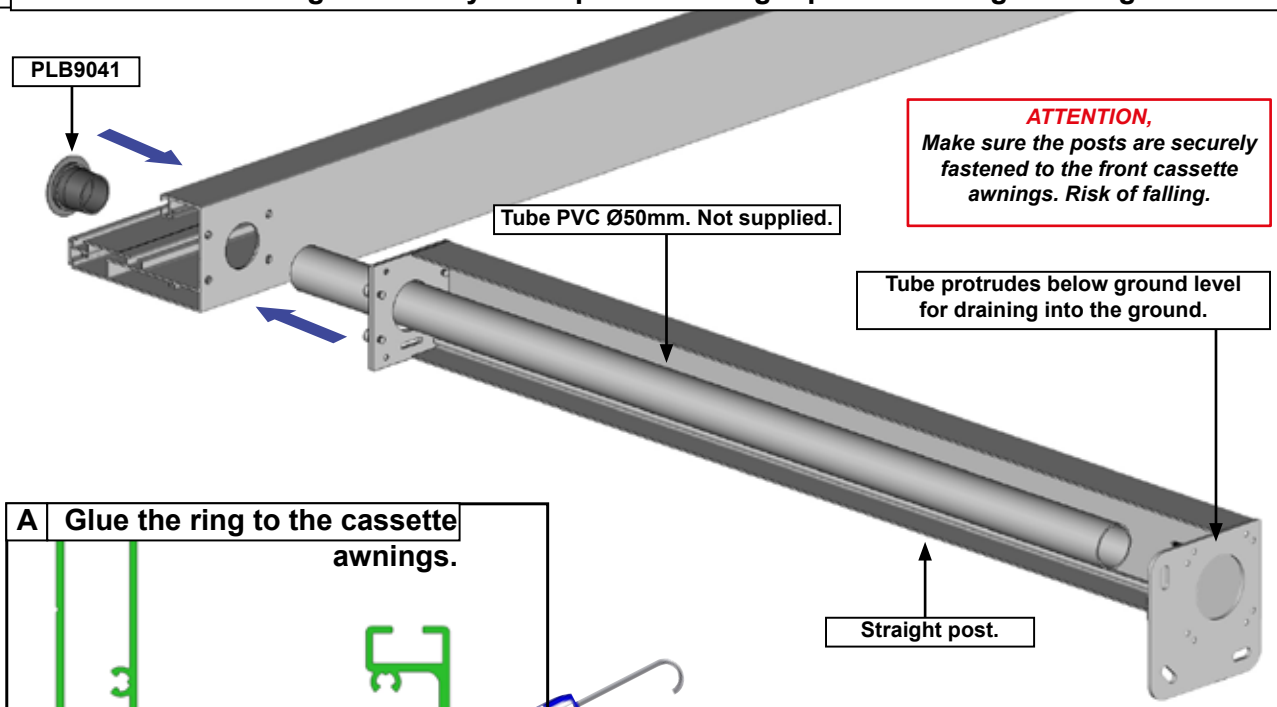
4 Intermediate post assembly. Pergola over 4.5 m wide only.



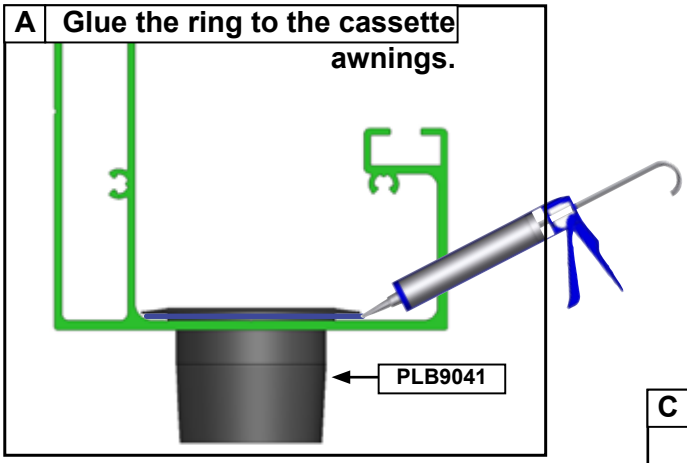
5 Front cassette awnings connection.



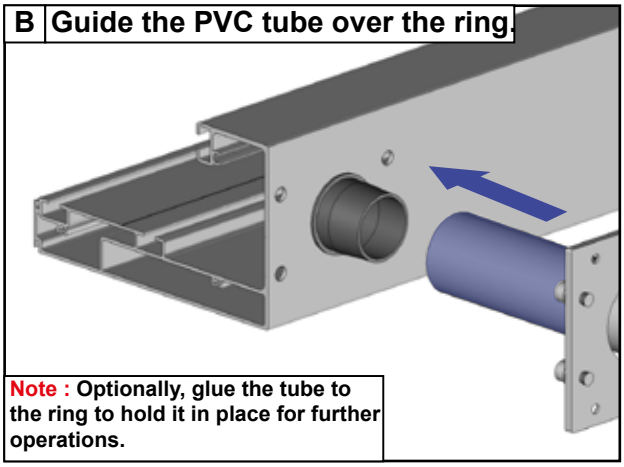
6 Front cassette awnings assembly. Example with straight post + drainage in the ground.



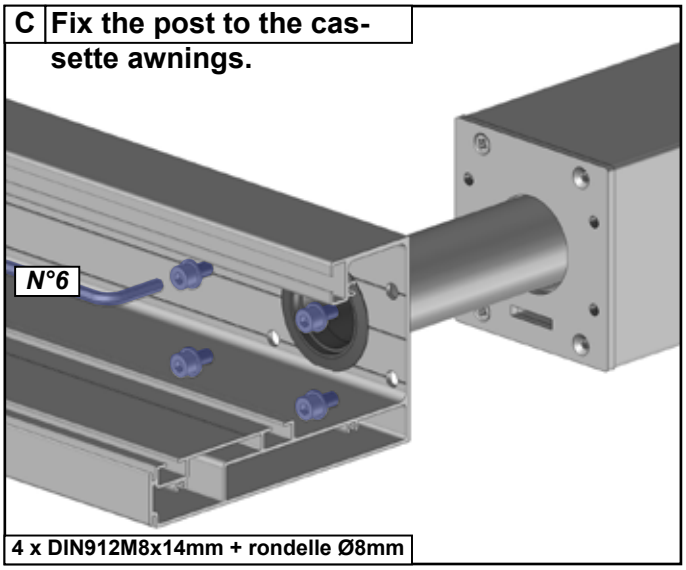
A Glue the ring to the cassette awnings.



B Guide the PVC tube over the ring.



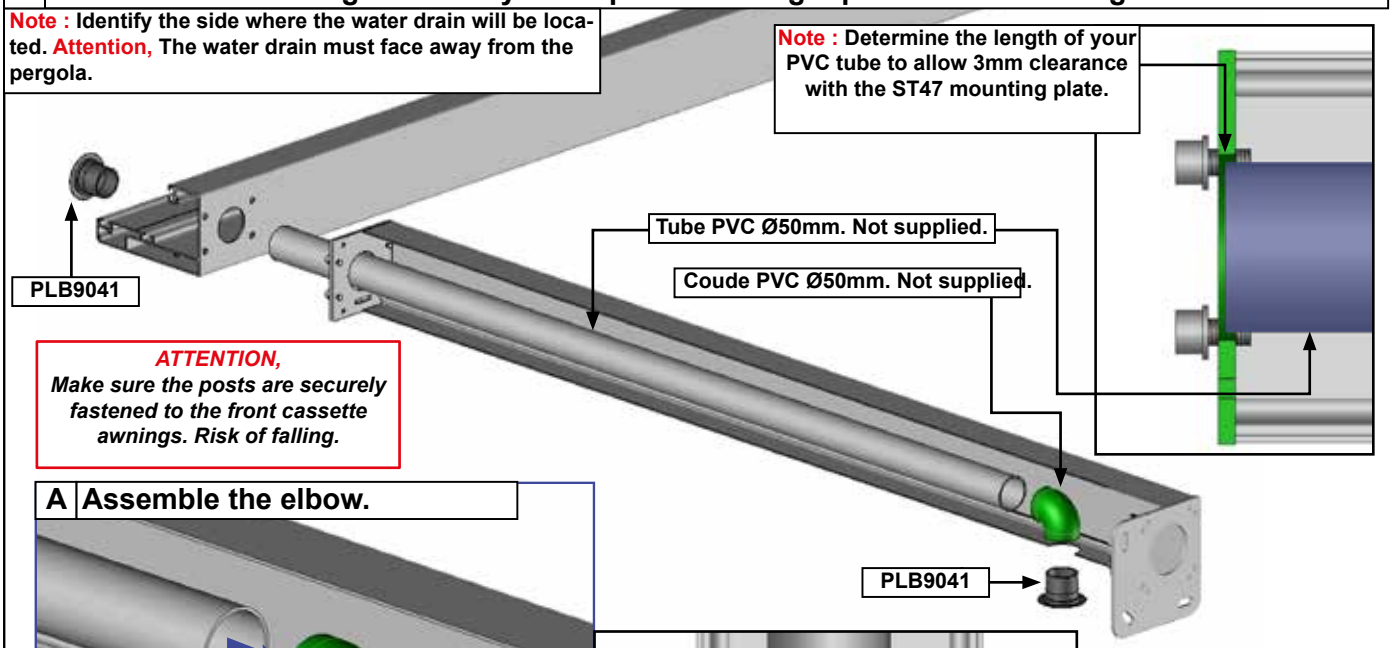
C Fix the post to the cassette awnings.



7 Front cassette awnings assembly. Example with straight post + water drainage elbow.

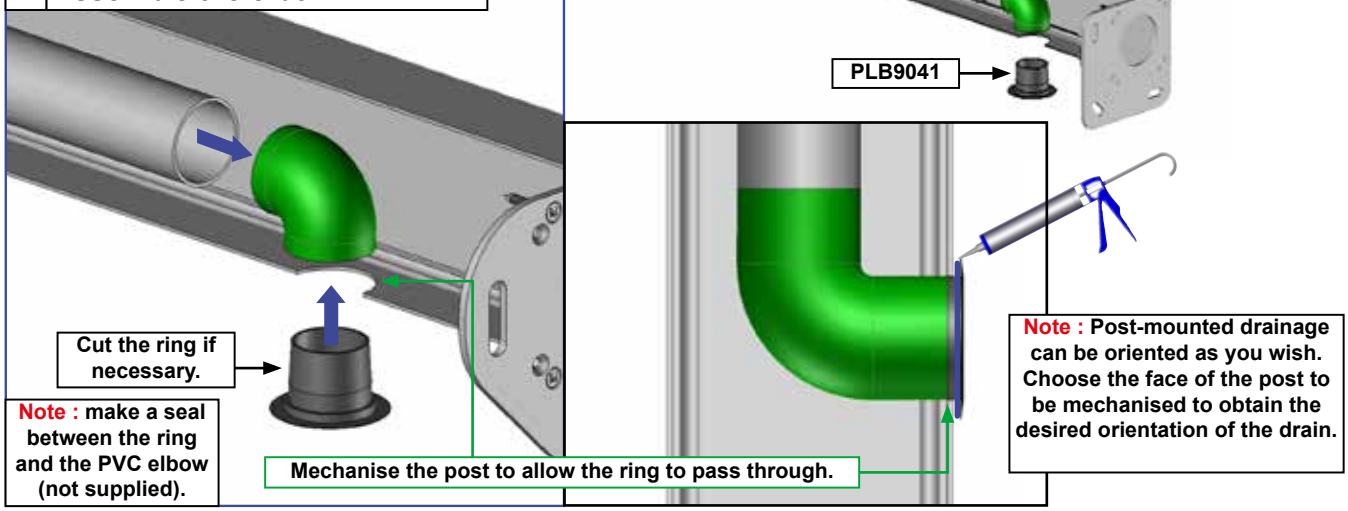
Note : Identify the side where the water drain will be located. **Attention,** The water drain must face away from the pergola.

Note : Determine the length of your PVC tube to allow 3mm clearance with the ST47 mounting plate.

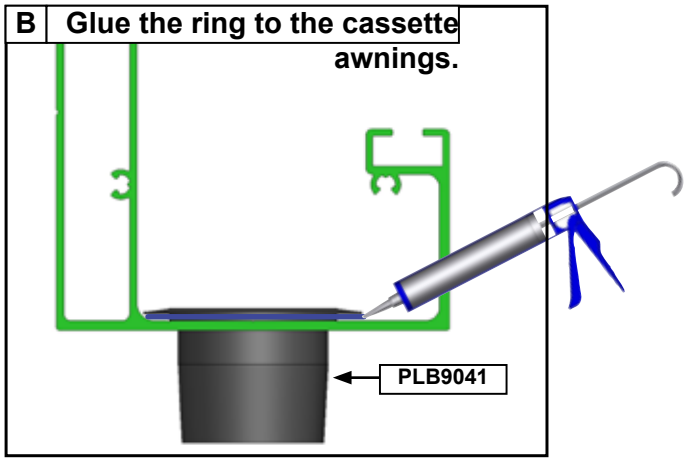


ATTENTION,
Make sure the posts are securely fastened to the front cassette awnings. Risk of falling.

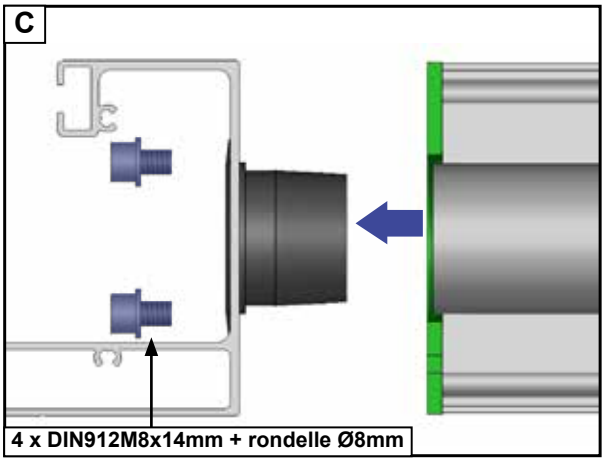
A Assemble the elbow.



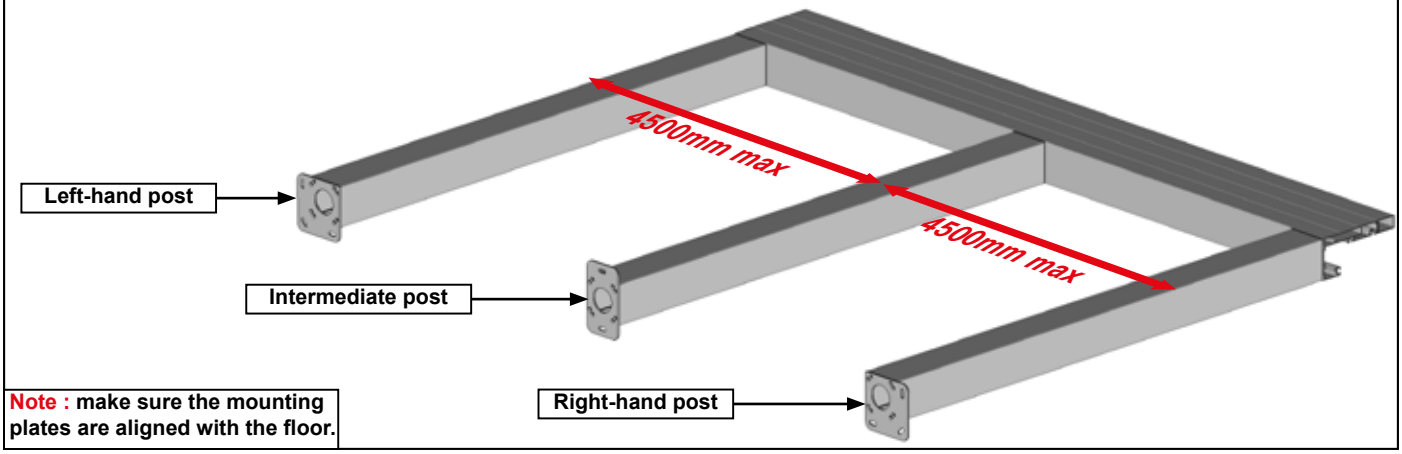
B Glue the ring to the cassette awnings.



C

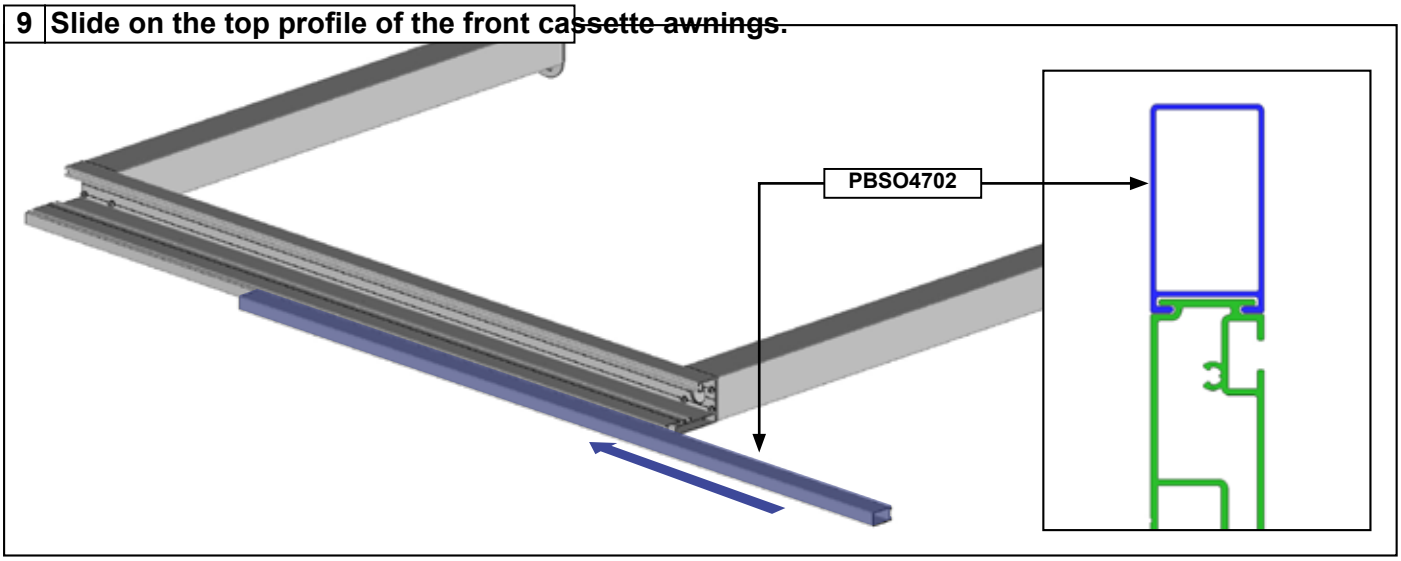


8 Depending on your drainage system, carry out the same operations for all the poles.

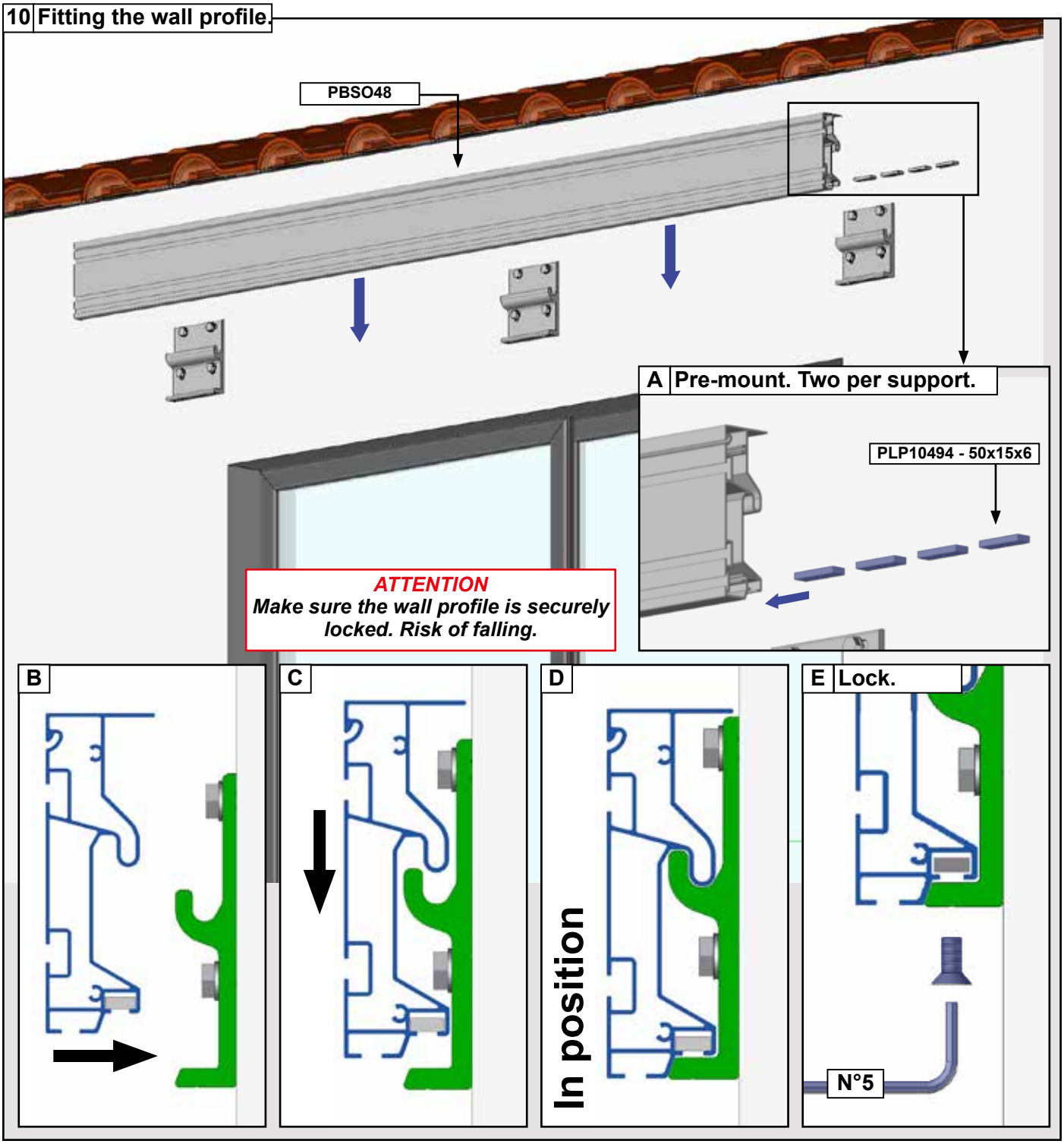


Note : make sure the mounting plates are aligned with the floor.

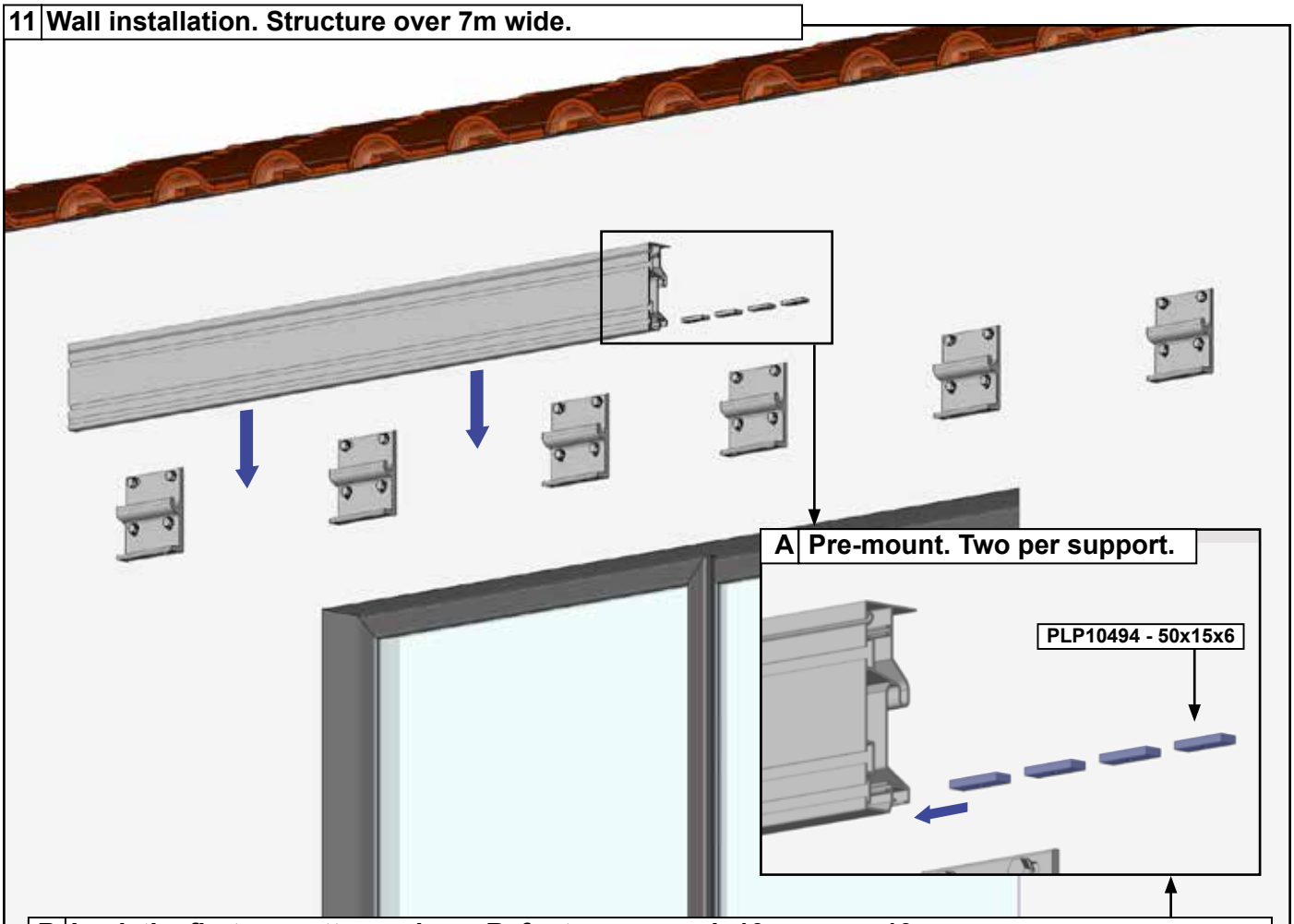
9 Slide on the top profile of the front cassette awnings.



10 Fitting the wall profile.



11 Wall installation. Structure over 7m wide.

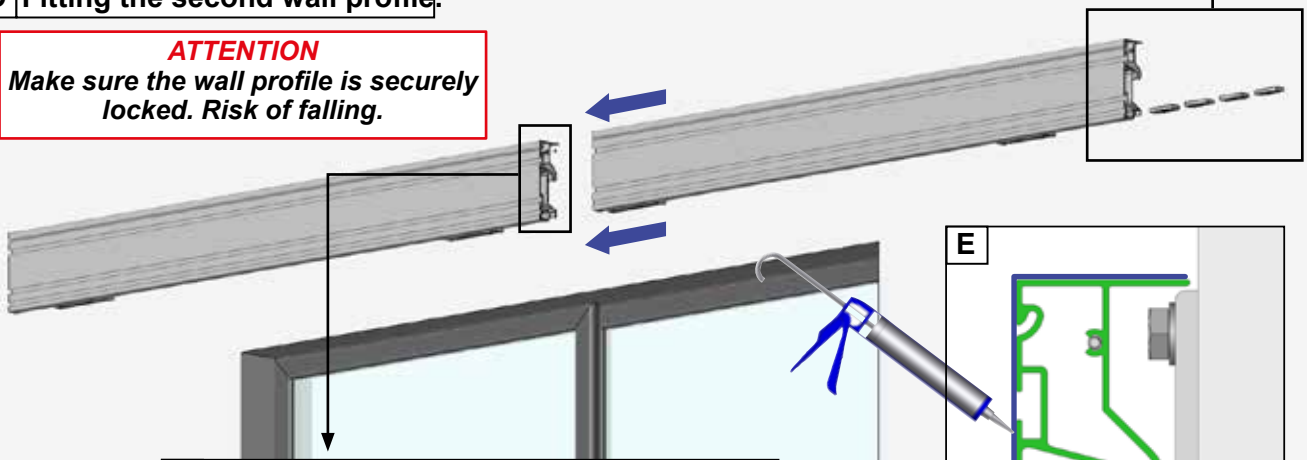


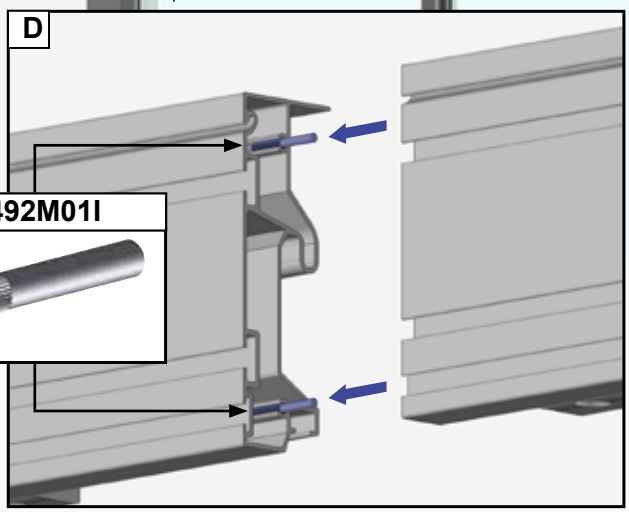
A Pre-mount. Two per support.

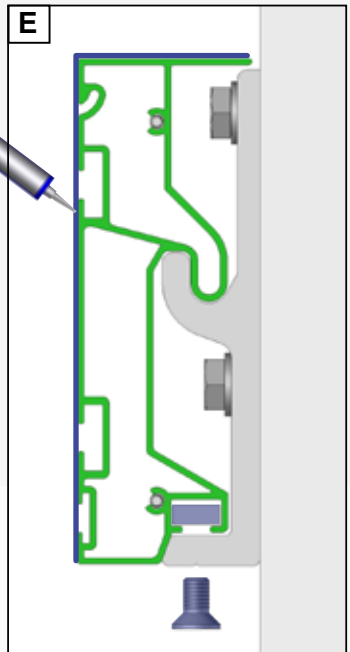
B Lock the first cassette awnings. Refer to paragraph 10 on page 10.

C Fitting the second wall profile.

ATTENTION
Make sure the wall profile is securely locked. Risk of falling.

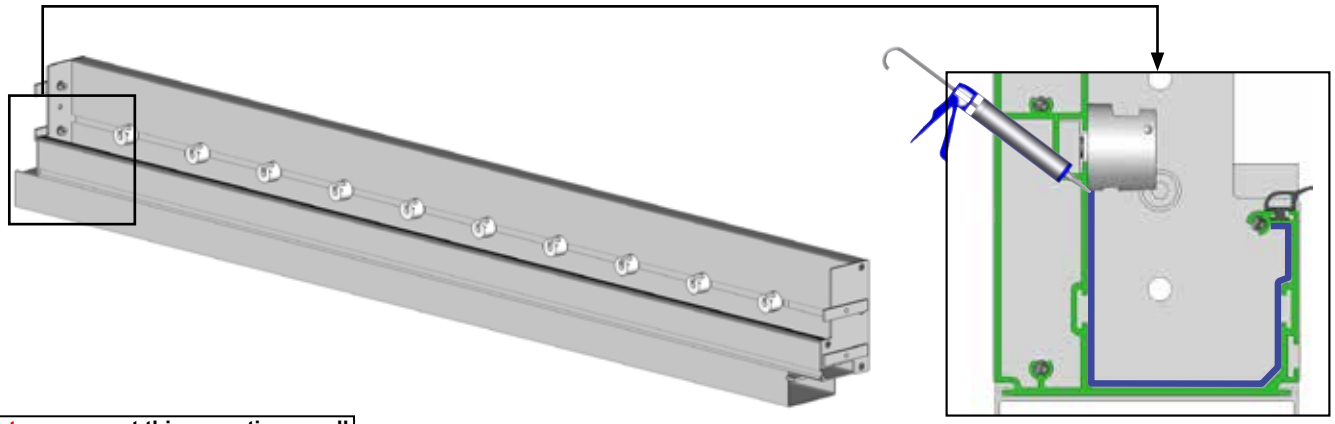






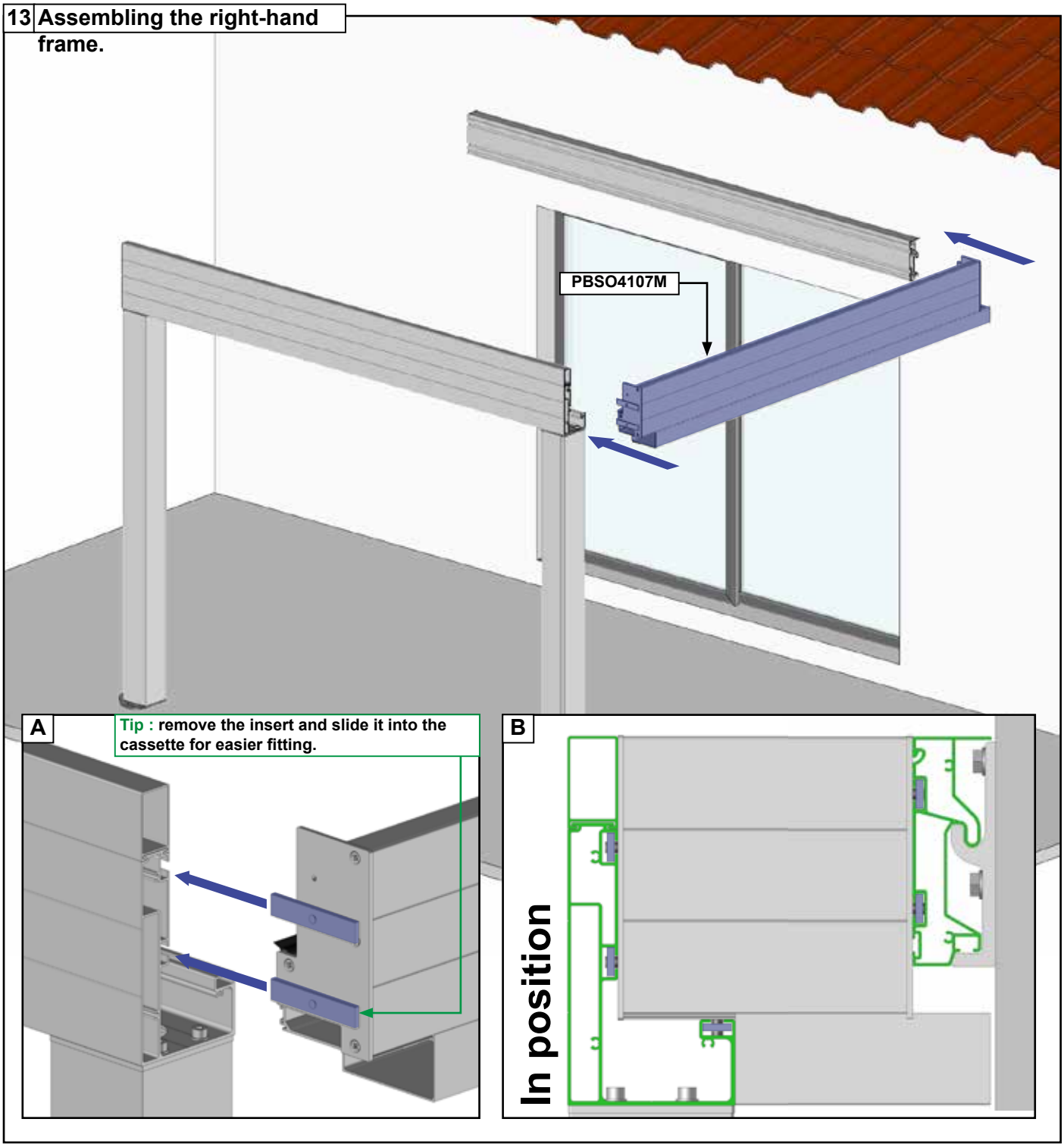
Lock the second cassette to the wall and seal the joint between the cassettes with silicone.

12 Preparing the rafters to support the PBSO4107M slats.



Note : carry out this operation on all the rafters supporting the slats.

13 Assembling the right-hand frame.

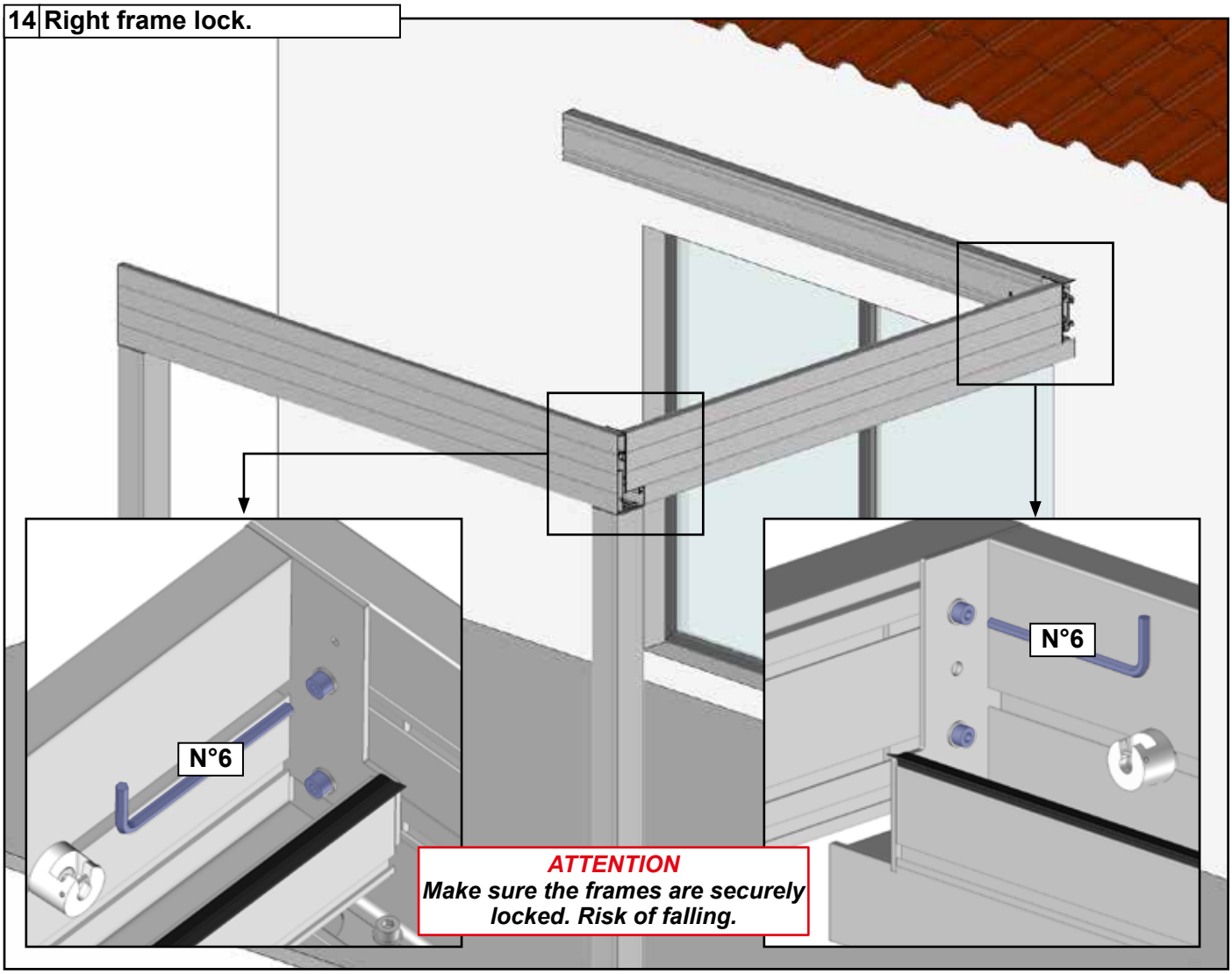


A

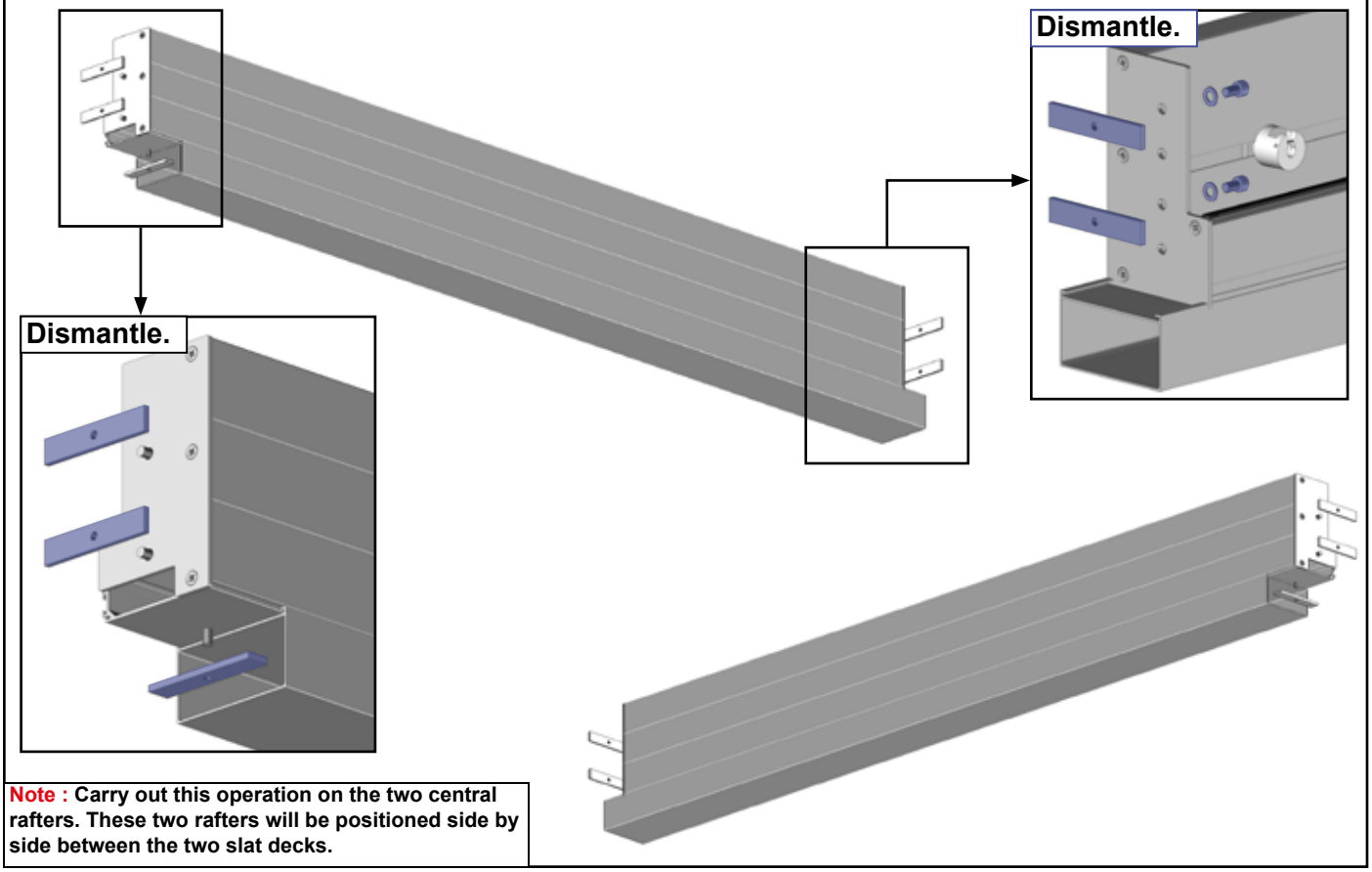
Tip : remove the insert and slide it into the cassette for easier fitting.

B

14 Right frame lock.



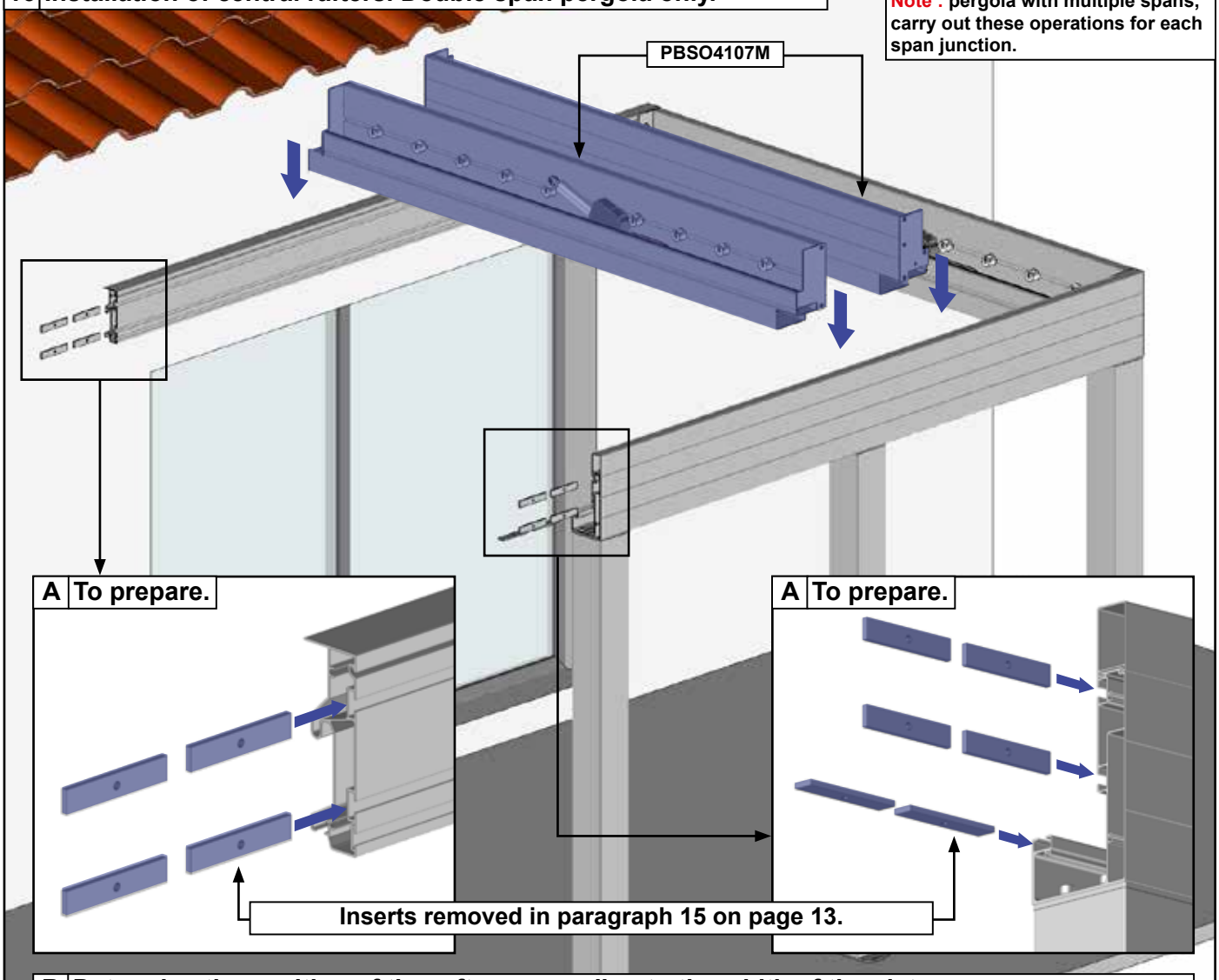
15 Preparation of central slat support rafters. Double span and multiple span pergola only.



Note : Carry out this operation on the two central rafters. These two rafters will be positioned side by side between the two slat decks.

16 Installation of central rafters. Double span pergola only.

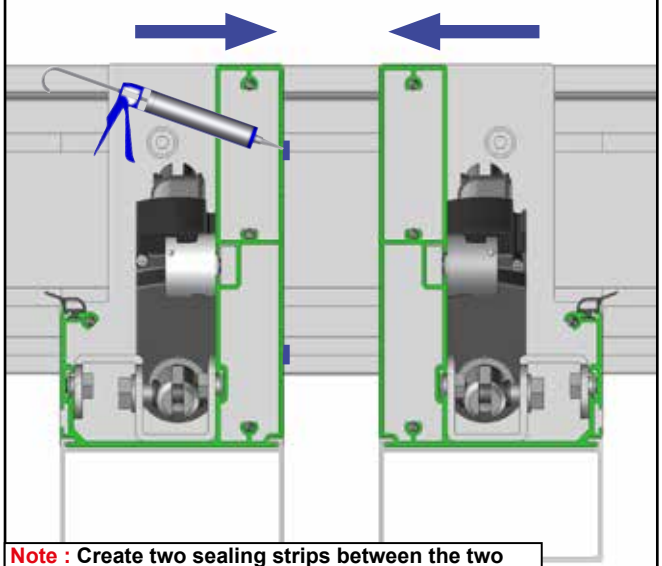
Note : pergola with multiple spans, carry out these operations for each span junction.



B Determine the position of the rafters according to the width of the slat spans.

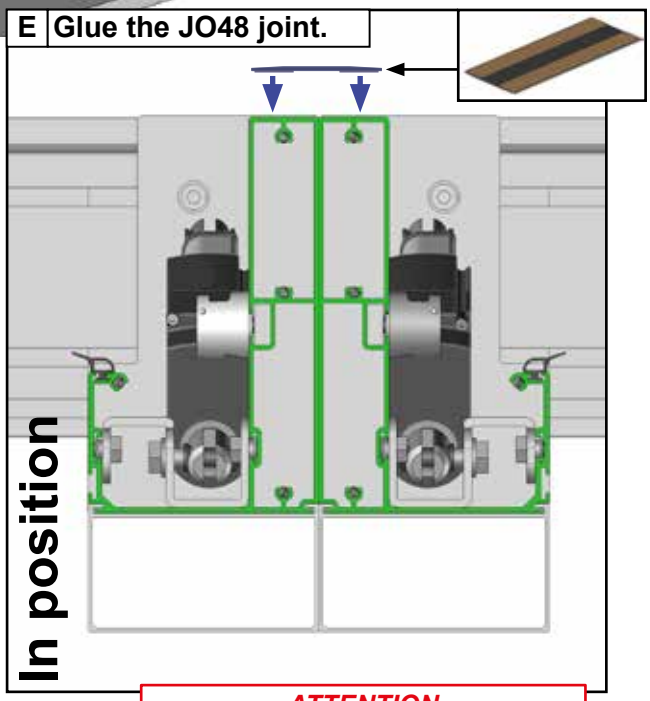
C Once in position, pre-tighten the slat support rafters.

D Plaster the rafters.



Note : Create two sealing strips between the two rafters supporting the slats.

E Glue the JO48 joint.

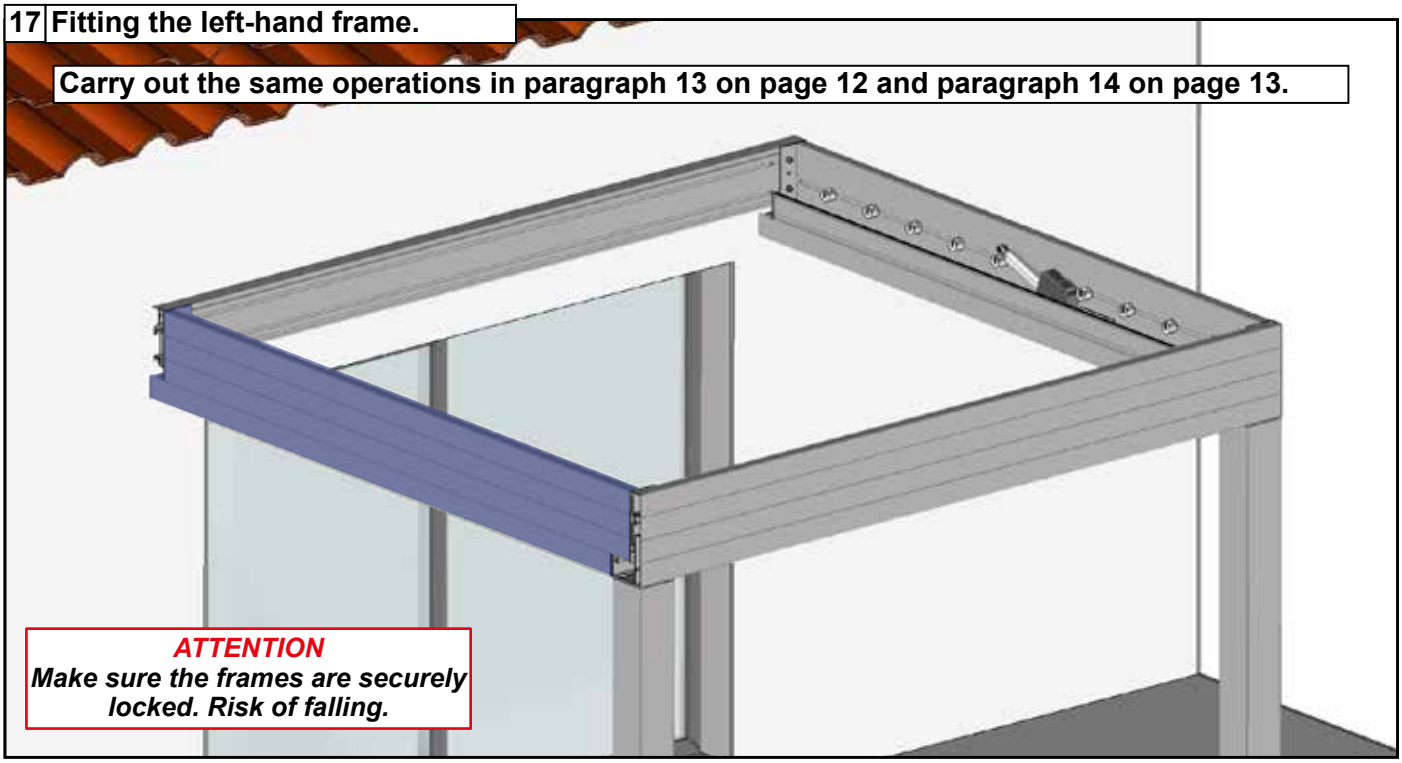


F Lock the position of the slat support rafters.

ATTENTION
Make sure the frames are securely locked. Risk of falling.

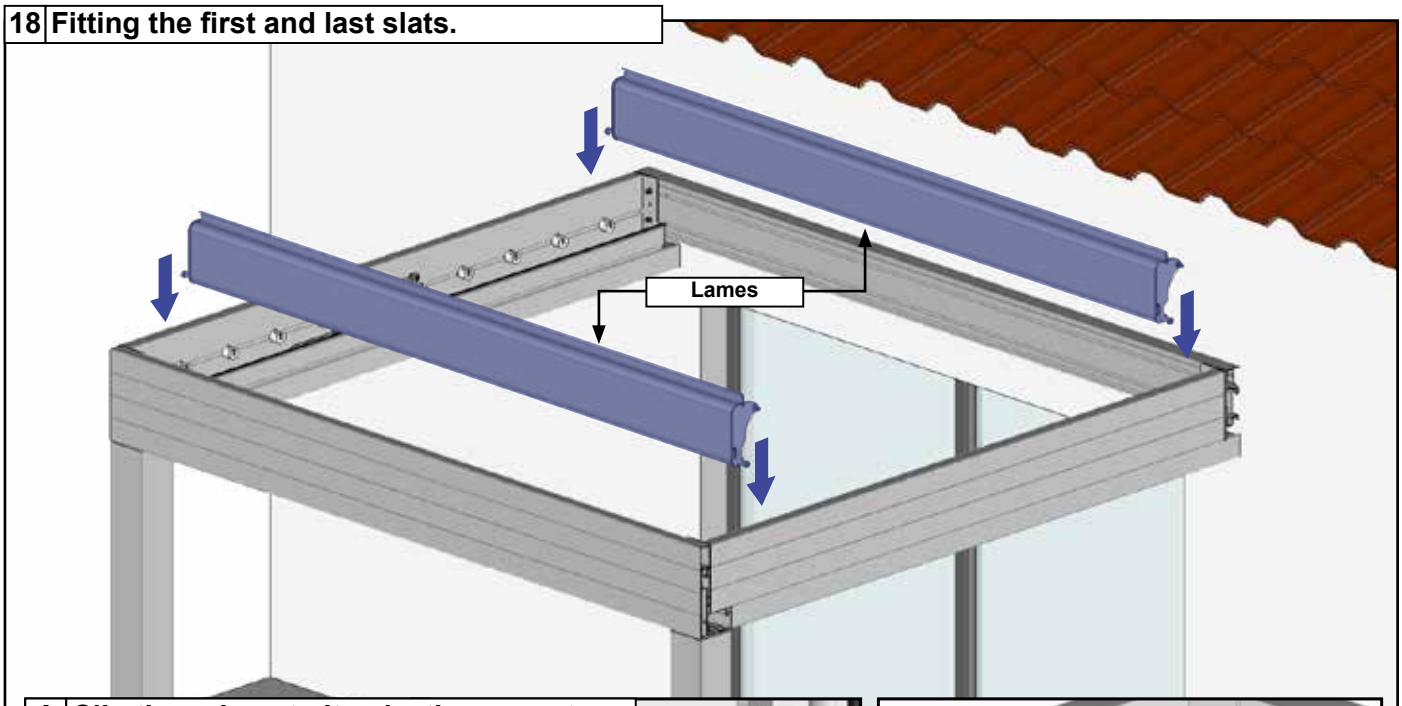
17 Fitting the left-hand frame.

Carry out the same operations in paragraph 13 on page 12 and paragraph 14 on page 13.

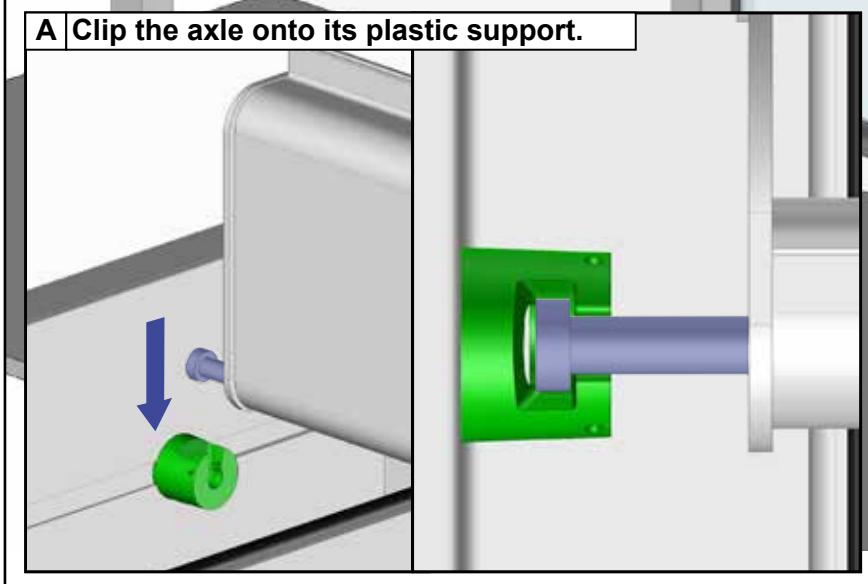


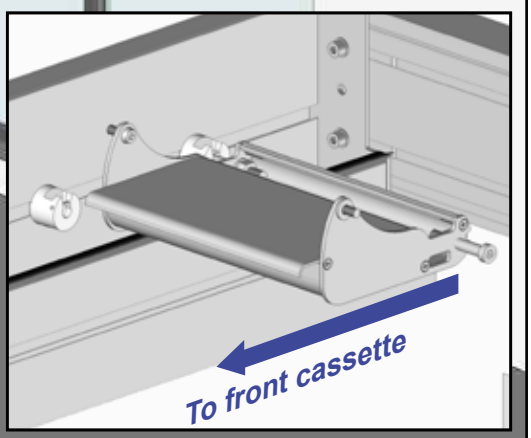
ATTENTION
Make sure the frames are securely locked. Risk of falling.

18 Fitting the first and last slats.



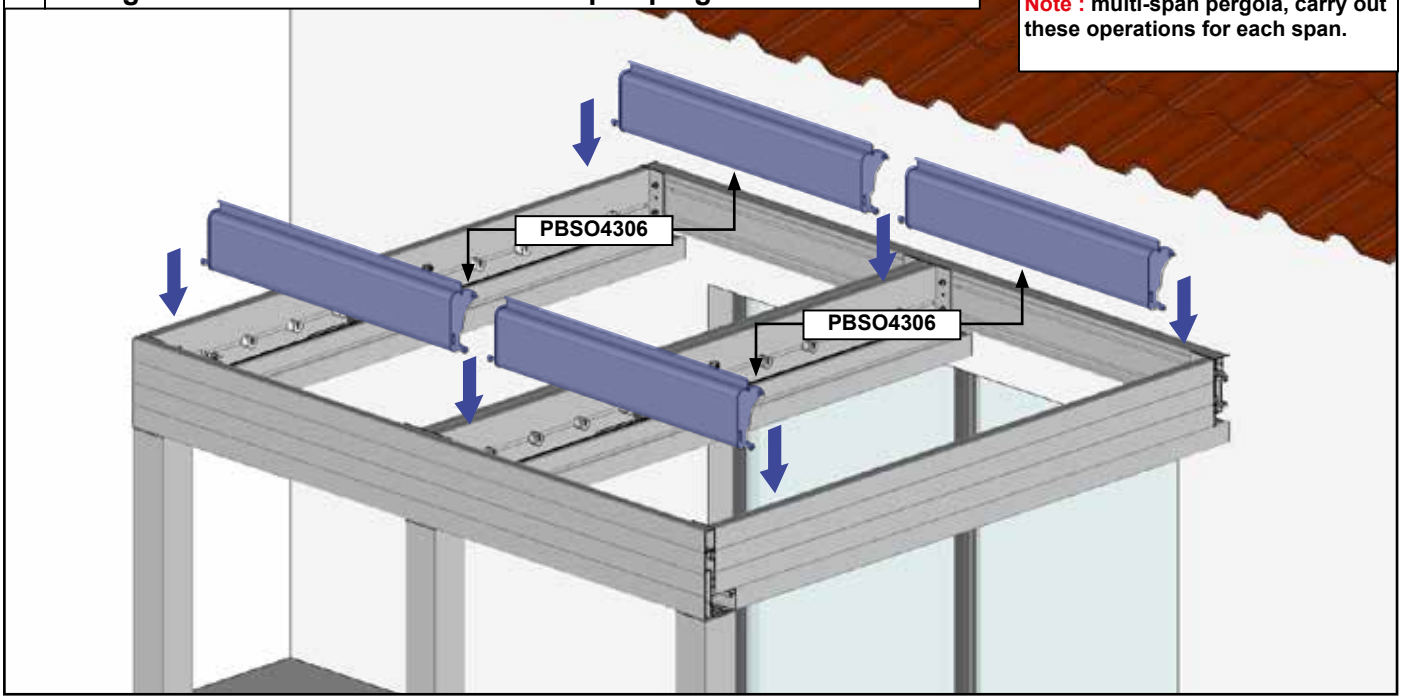
A Clip the axle onto its plastic support.





19 Fitting the first and last slats. Double span pergola.

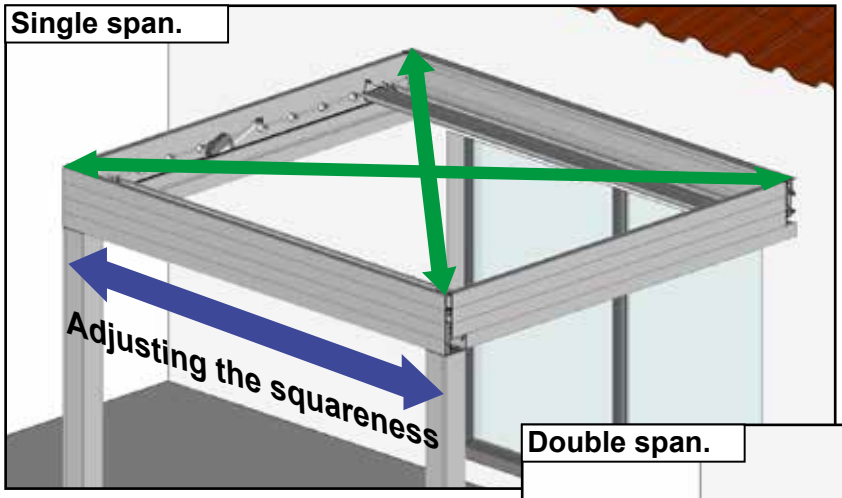
Note : multi-span pergola, carry out these operations for each span.



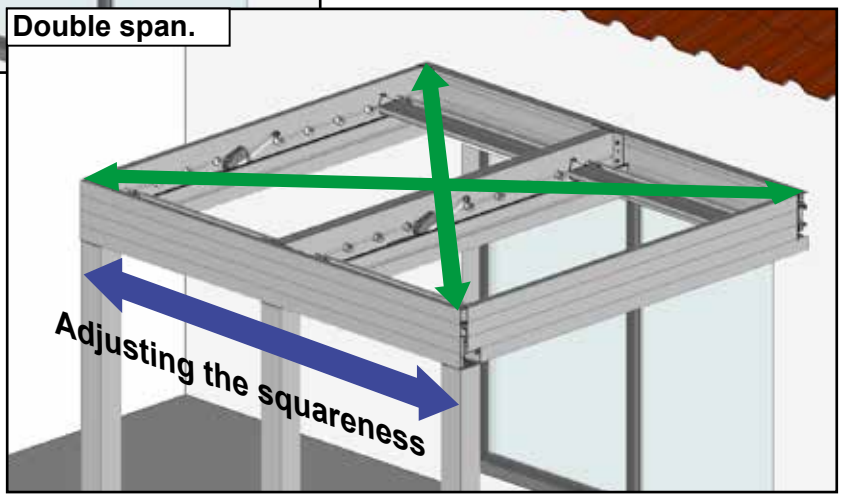
20 Checking squareness.

Note : multi-span pergola, carry out these operations for each span.

Single span.



Double span.



This step is very important:
Before continuing with the assembly of your pergola, make sure that the diagonals are equal (acceptable tolerance of 5mm) so that the system functions correctly.
If the diagonals are not equal:

1- Slightly loosen the rafters.
2- Move the front section to correct the diagonals.
3- Retighten the rafters.
4- Check the squareness again.

21 Floor-mounted.

Fix the mounting plates to each concrete block made beforehand using a minimum of two screws.

Our recommendation: Ø8mm or Ø10mm concrete screws, minimum length 120mm. Pull-out strength 500DaN (500Kg)

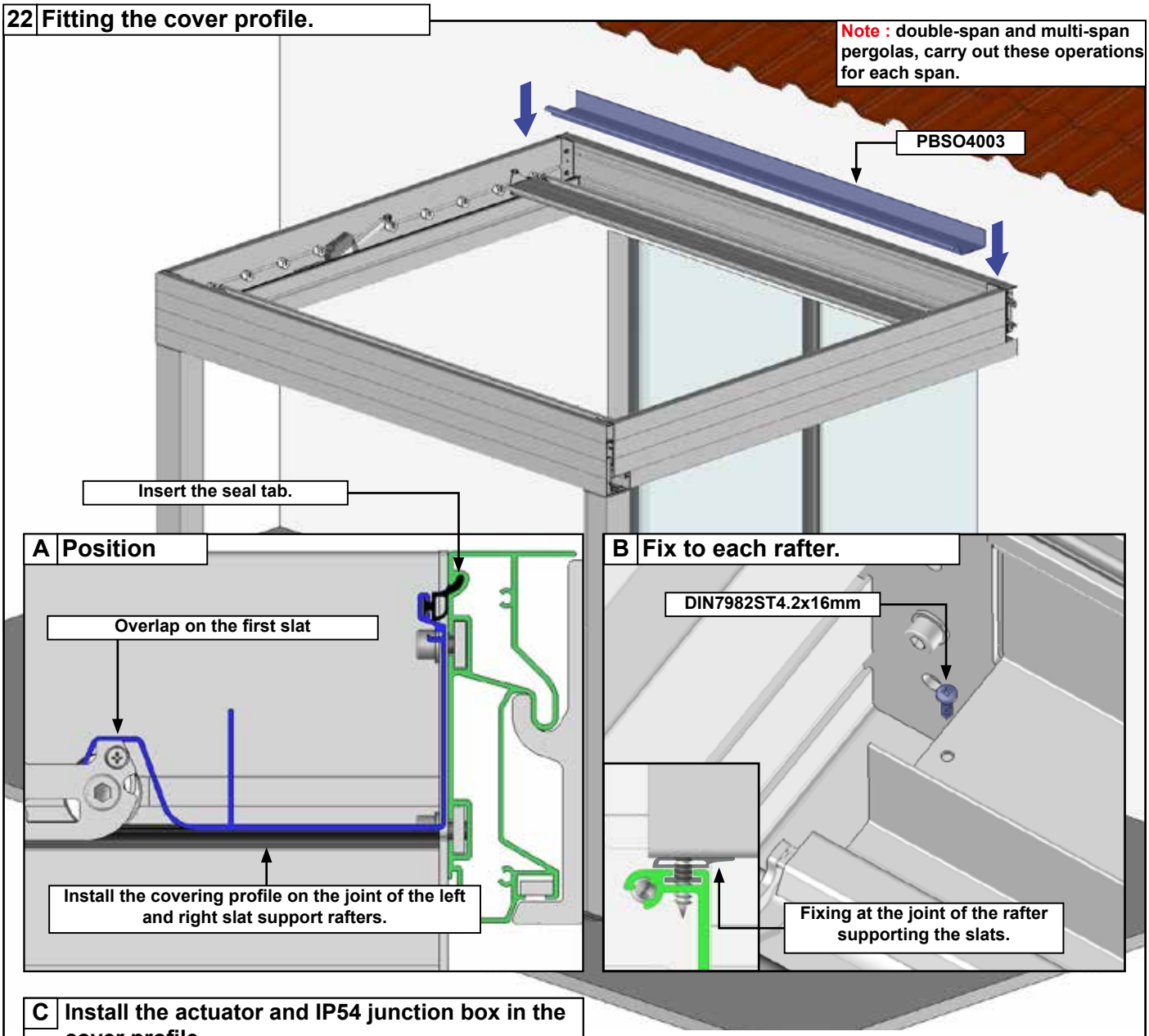
For installation using a chemical sealant kit, refer to the instructions for use for the product used.

ATTENTION,

Make sure that the mounting plates are firmly attached to the floor. Risk of falling.

22 Fitting the cover profile.

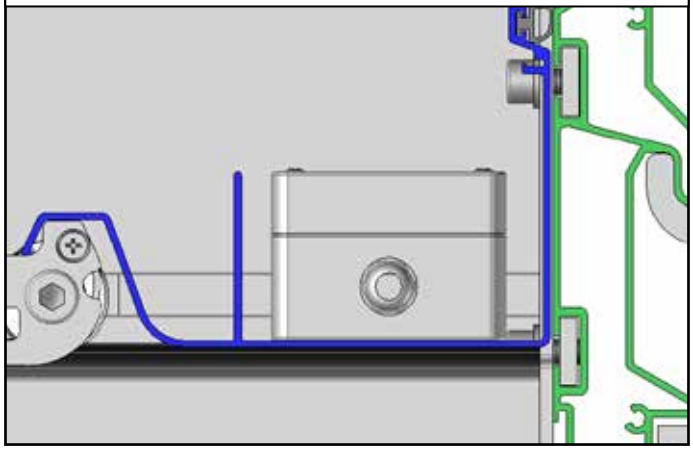
Note : double-span and multi-span pergolas, carry out these operations for each span.



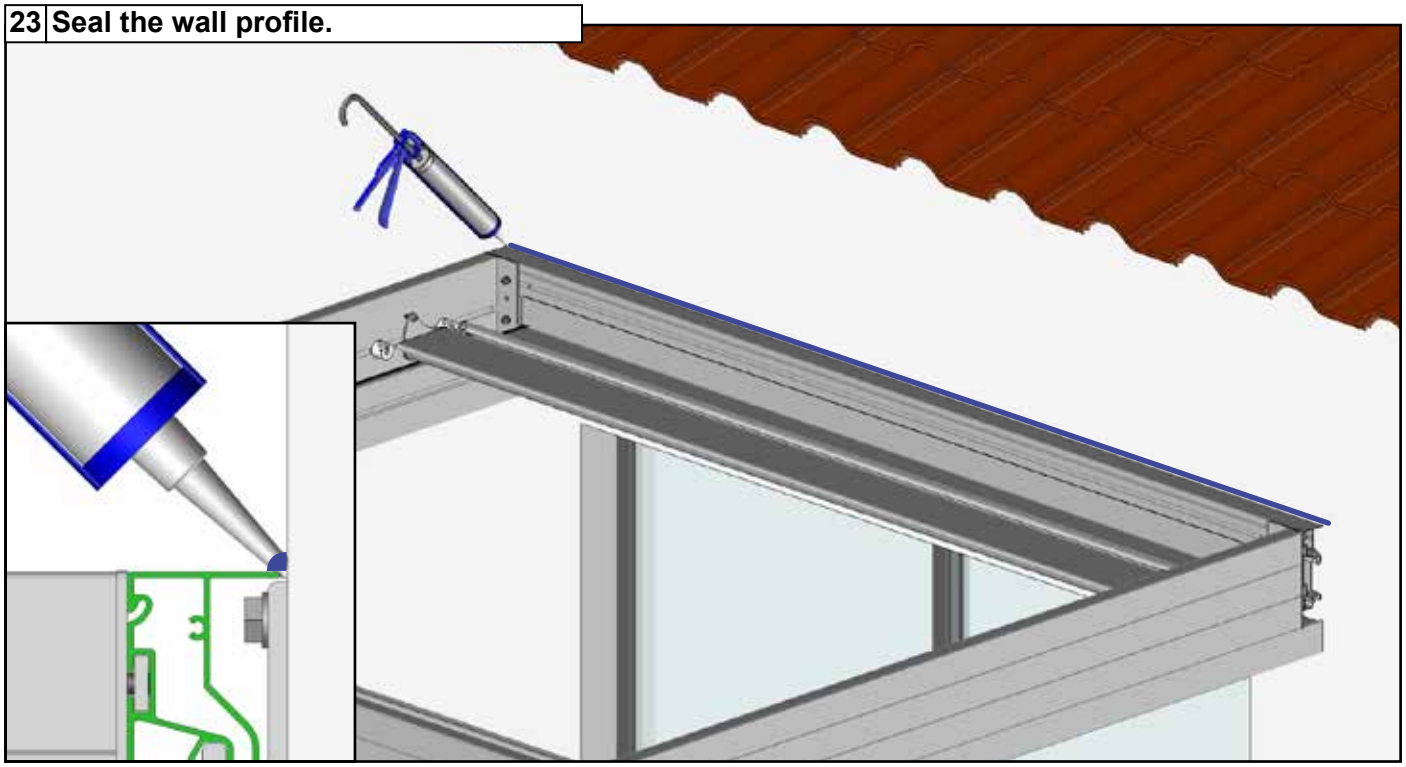
A Position

B Fix to each rafter.

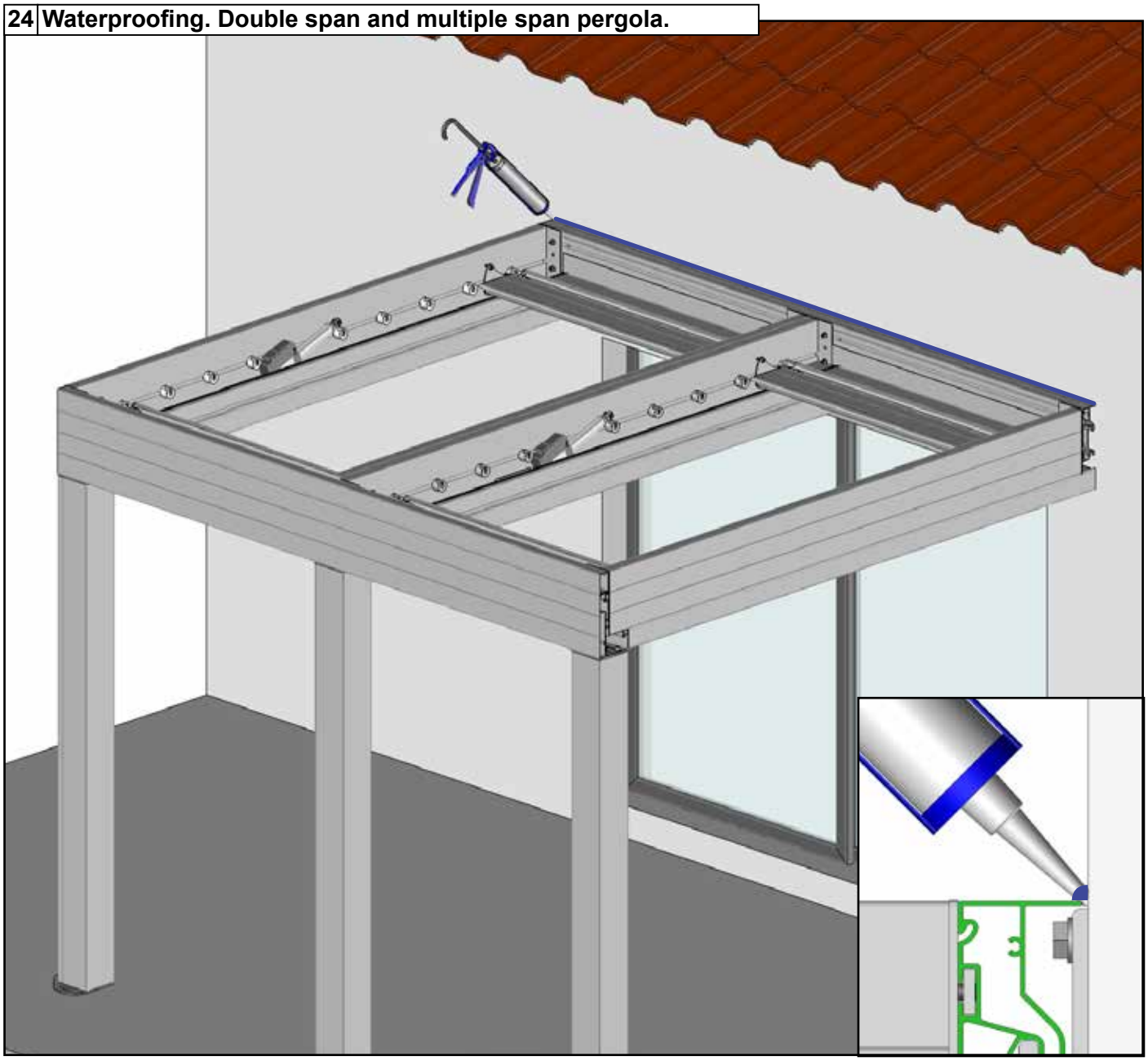
C Install the actuator and IP54 junction box in the cover profile.



23 **Seal the wall profile.**



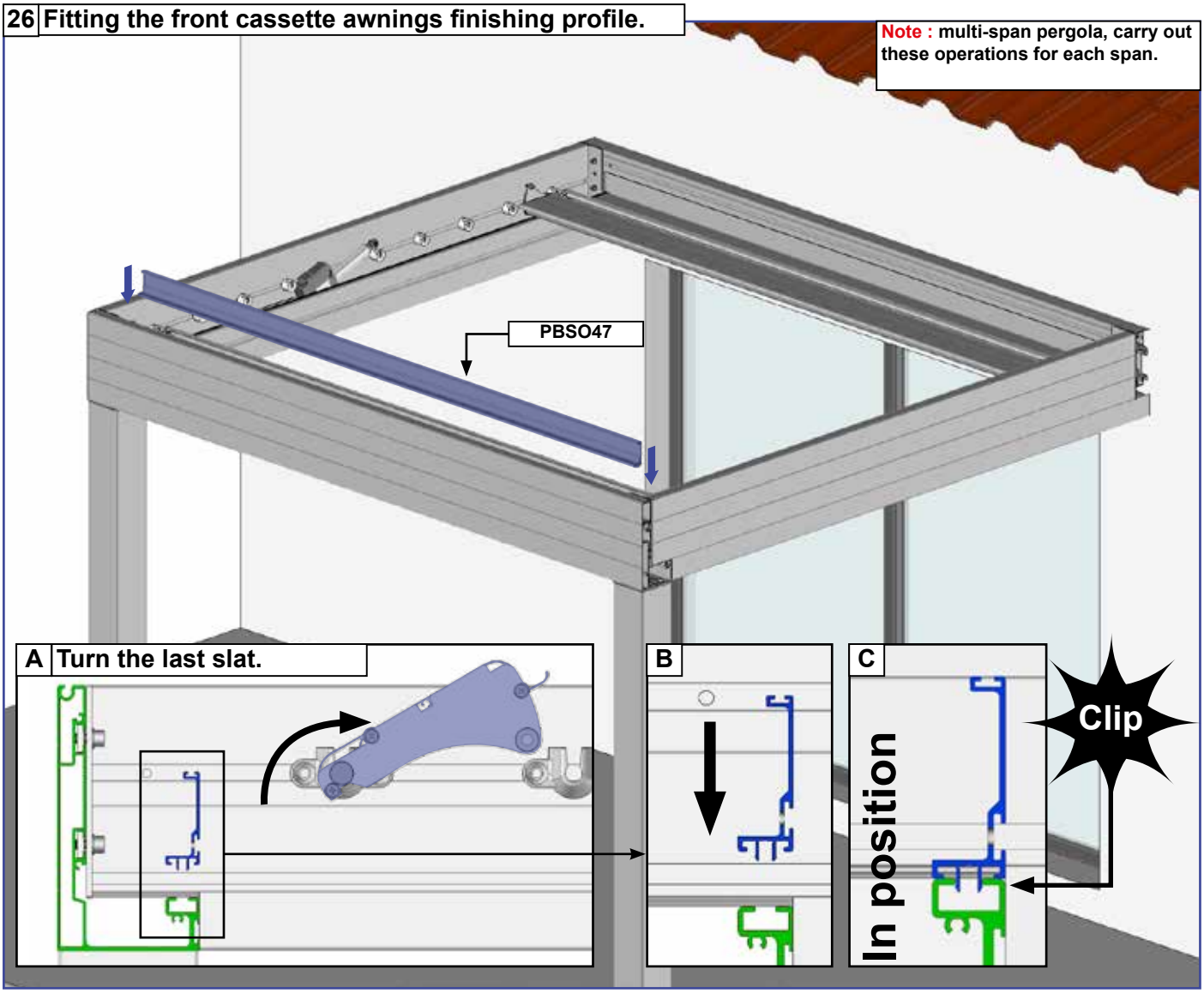
24 **Waterproofing. Double span and multiple span pergola.**



25 LED lighting option.

To install the LED lighting option, refer to the LED lighting option manual and repeat the installation instructions in the motorisation section on page 20.

26 Fitting the front cassette awnings finishing profile.



MOTORIZATION

The installation must comply with standard NFC15-100

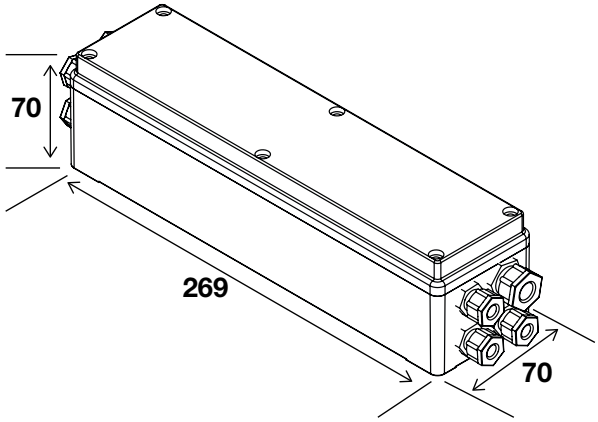
ATTENTION

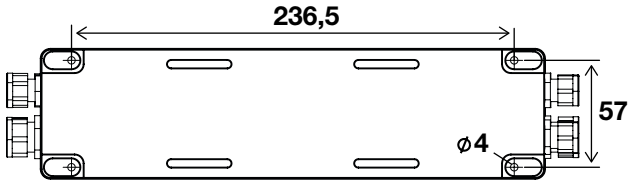
For your own safety, before carrying out any installation or connection work, make sure that the power is switched off.
- The pergola must be connected to a dedicated line.
- Do not splash water on the control box.

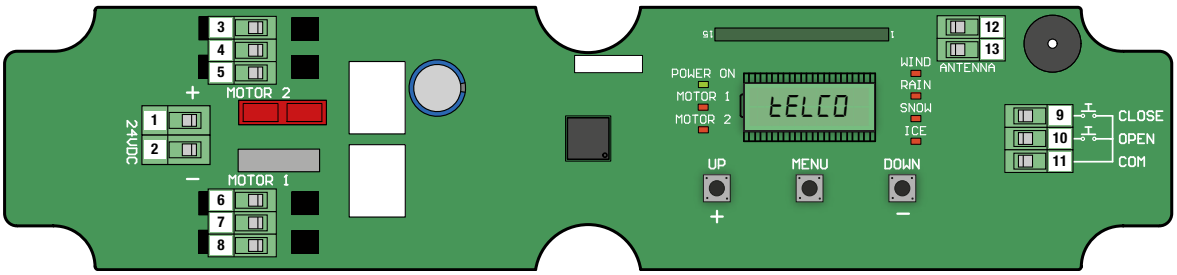
WARNING

- If you have purchased an automated system, all connection work must be carried out by a competent person in order to ensure that the installation complies with the regulations and is covered by the warranty.
- Switch off the power supply before connecting or operating the automated system.
- Do not allow children to play with the control devices (remote control).
- Check the installation frequently for any imbalance or signs of wear.
- Do not use the pergola if any repairs or adjustments are required.

Configuration AUTOMOBSOVER03.



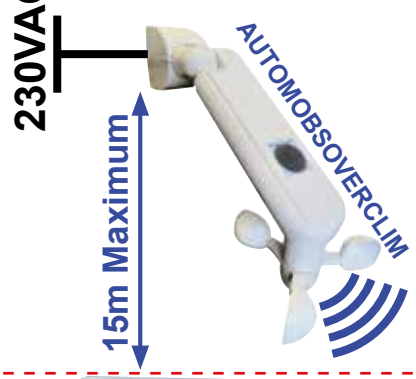




1. power supply board input terminal (Valim)
2. MOTOR 1 output terminal
2. MOTOR 1 output terminal
3. MOTOR 2 output terminal
4. CLOSE-OPEN wired control input terminal
5. Control unit programming buttons
6. Power and motor status LEDs.
7. Weather LED
8. 5-digit display
9. Radio communication module
10. Antenna connection terminal
11. 10 A automotive fuse, standard size
12. Audible warning

27 Wiring.

AUTOMOBSOVERCLIM : see page 35.



IMPORTANT,

- 1 cylinder for a single span. Programming Cylinders in single mode.
- Position the transformer at least 400mm from the operator.
- Remove the antenna from the operator.
- Raise the transformer.
- Earth the transformer on the 230V AC side.

IMPORTANT,
To ensure optimum synchronisation of the two cylinders, make sure that the two connection cables to the control unit are the same length.

IMPORTANT,
Make a seal at each cable entry to the automated system.

IP67

400mm Minimum

10A circuit breaker. not supplied

Panel electrical not supplied

Differential 30mA not supplied

DEDICATED LINE

IP67

230V

24V

ATTENTION,
Once the transformer is powered up, disconnect it if necessary on the 230V side.

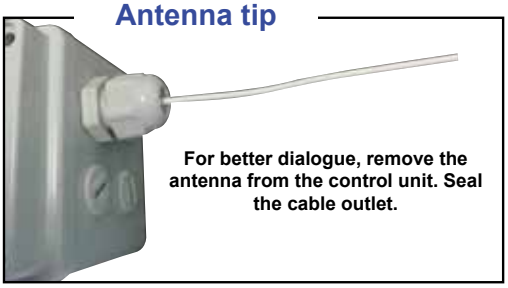
Install the control unit and transformer in the Cover Profile.

STRUCTURAL ELECTRICAL EARTHING

TRANSFO

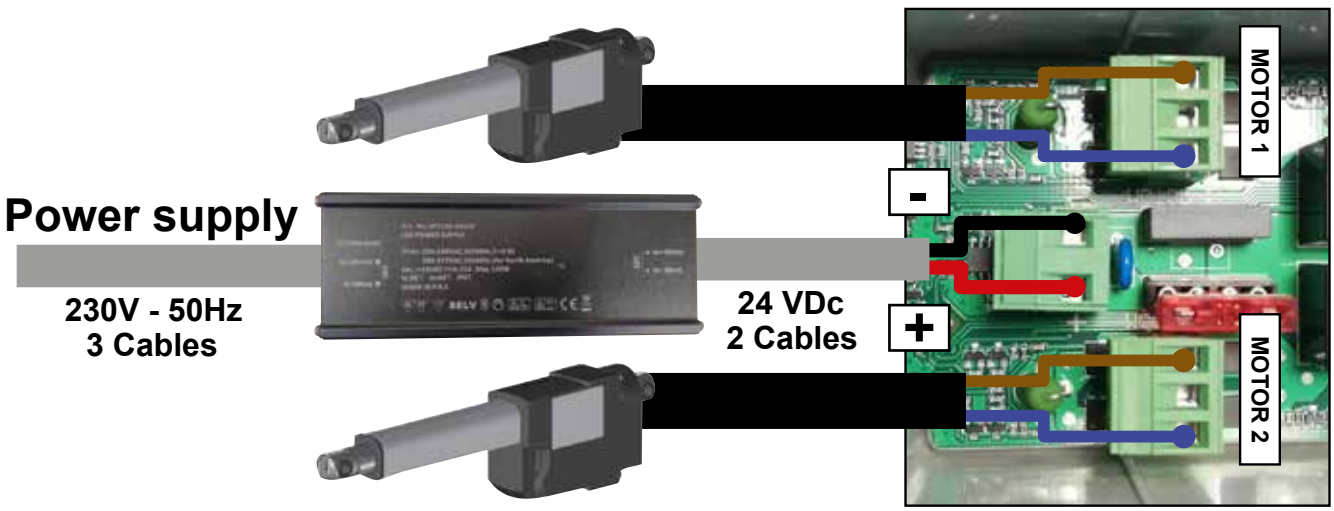
Raising the transformer

Antenna tip



For better dialogue, remove the antenna from the control unit. Seal the cable outlet.

Note : *Only the Blue and Brown cables are required to wire the actuator. You can cut and insulate the Red Yellow Green and Black cables.*



28 Synchronised cylinder programming.

Information: various configuration parameters.

nConF — Configuration menu

5 incr — Synchronisedc menu → CL oo — Cylinders in Synchronised mode

IndEP — Independent menu Not used. → CL CL — Cylinders in Independent mode Not used.

5 inGL — Single menu Not used. → CL -- — Single mode cylinders Not used.

Other dialogues.

50 -- — Cylinder in stop open position

5C -- — Cylinder in stop/ close position

rLrn 1 — Remote control learning

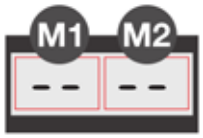
nO -- — Cylinder in opening movement

nC -- — Cylinder in closing movement

rAdEF — Deletion of remote control radio code and climate sensor.

ctdEF — RESET AUTOMATIC.

A First Ignition.



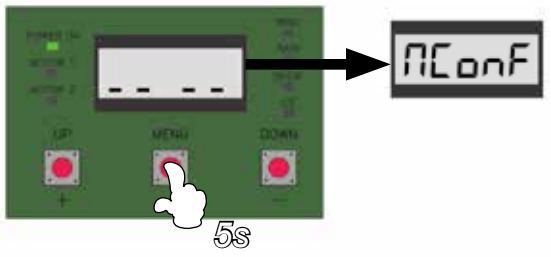
On first start-up, the control unit display will show this condition:
- 2 dashes corresponding to Motor 1 (--),
- 2 dashes corresponding to Motor 2 (--),
This means that the motors have not yet been configured.

WARNING! NO OPERATION WILL BE POSSIBLE!

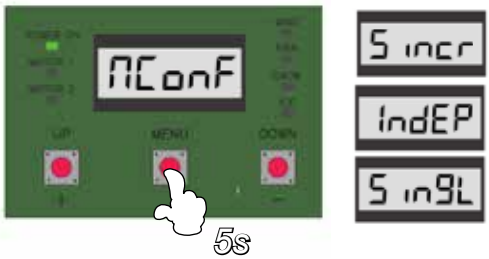
B Cylinder configuration. Synchronised 2-cylinder mode.

WARNING!
Before performing any other operation, it is necessary to configure the actuator. If the actuator is not configured, it will not be possible to actuate the actuator or to teach-in the radio transmitter. In this condition, the LEDs relating to Motor 1 and 2 are off.

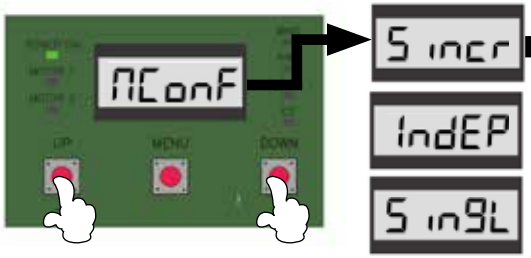
INSTALLATION TYPE CONFIGURATION = 2 synchronised cylinders.			
nConF	5 incr	Synchronised motors (M1 + M2)	Movement of cylinder 1 (M1) and cylinder 2 synchronised by remote control.



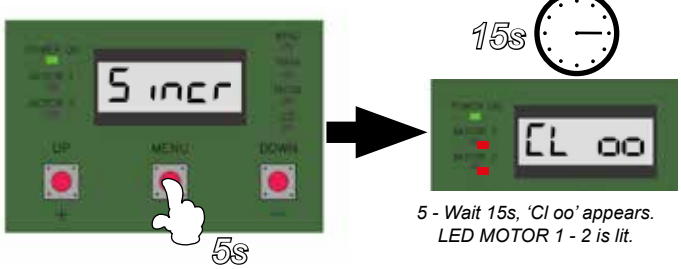
1 - Hold down 'MENU' for 5s (until 'MConF' is displayed).



2 - Release the 'Menu' button, then hold it down for 5s (until one of the 3 screens on the right appears).



3 - Using the 'UP' or 'DOWN' buttons, select 'Sincr'.



4 - Press and hold the 'Menu' button for 5 seconds to confirm the mode.

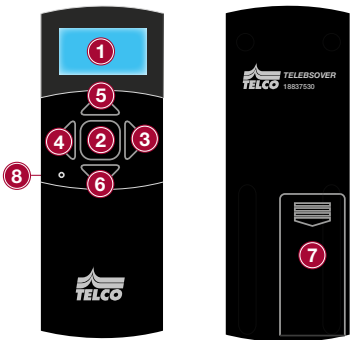
5 - Wait 15s, 'Cl oo' appears. LED MOTOR 1 - 2 is lit.

29 Remote control learning.

Informations.

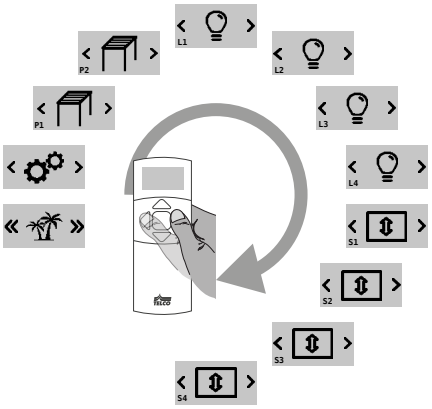
Advanced transmitter with LCD graphic display for controlling bioclimatic pergolas, it can control:
- **Up to 2 independent PERGOLA systems (1 or 2 motors)**
- **Up to 4 independent lighting systems**
- **Up to 4 independent side closing screens**
- **Up to 2 heating systems**

Avant **Arrière**



1	Graphic LCD display with controlled backlighting	5	UP button
2	Enter / Transmit button	6	DOWN button
3	Right button	7	Battery compartment 2x 1.5W alkaline batteries Non-rechargeable
4	Left button	8	Hidden button

Main menu navigation.



Pergola Channel P1 ou P2

Slat opening 100%

Slat opening 66%

Slat opening 33%

Slat opening 0%

LED Channel L1 ou L2

Lighting 100%

Lighting66%

Lighting 33%

Lighting 0%

Manual mode Pergola

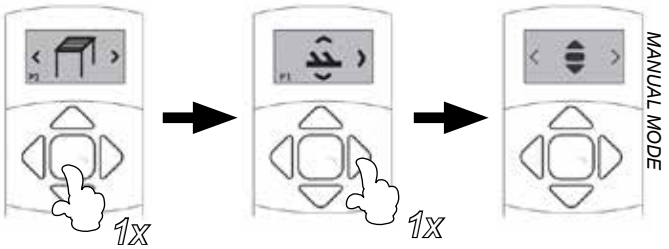
Manual mode Lighting

Menu output

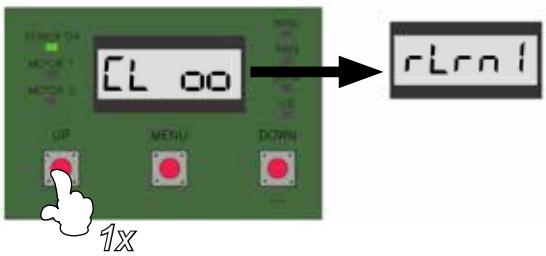
Parameter
See instructions supplied with remote control

Scene
See instructions supplied with remote control

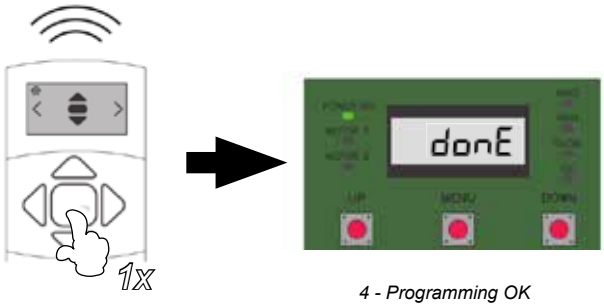
A Remote control learning.



1 - Choosing the remote control channel. Go to manual mode.

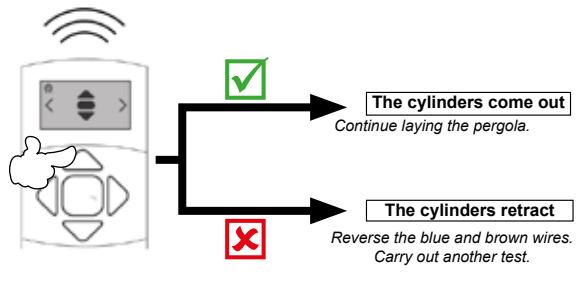


2 - Using the 'UP' button, select 'rLrn1'.



3 - Press the 'STOP' button.

4 - Programming OK



The cylinders come out
Continue laying the pergola.

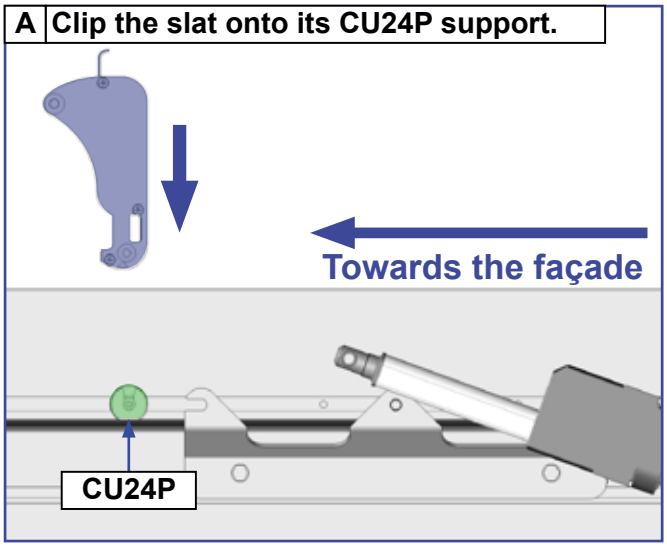
The cylinders retract
Reverse the blue and brown wires. Carry out another test.

5 - Checking cylinder opening. In manual mode.

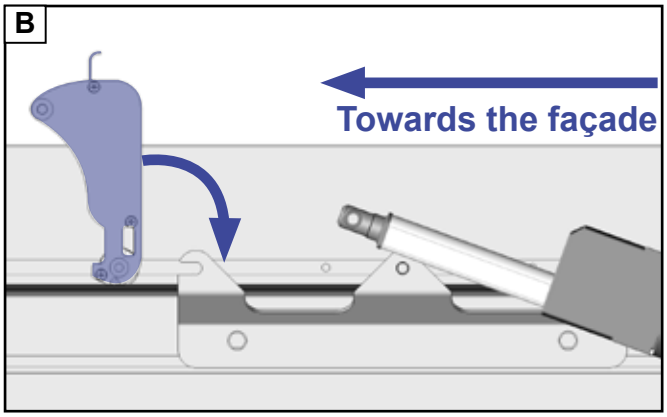
30 Laying the intermediate slat.

Note : carry out this operation on the two jacks of the span. For double-span and multiple-span pergolas, carry out this operation for the first span. If the overhang is greater than 3 m, clip another slat onto the deck.

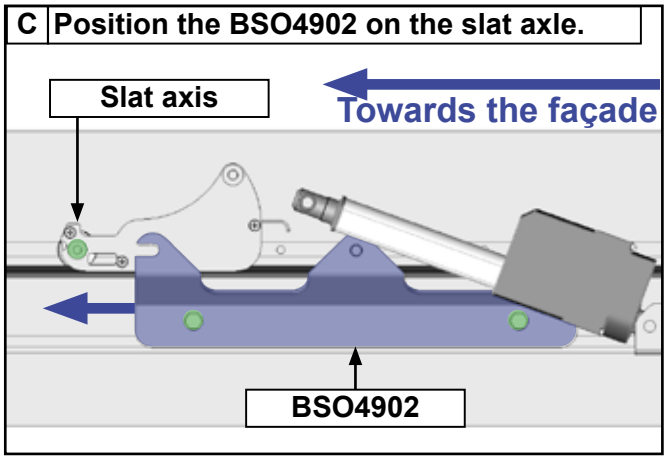
A Clip the slat onto its CU24P support.



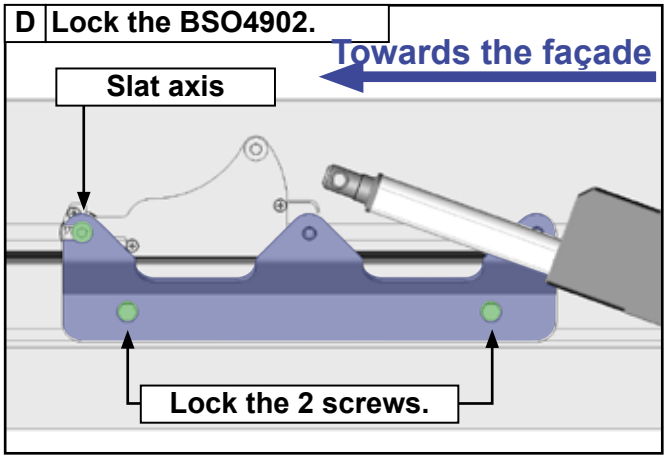
B



C Position the BSO4902 on the slat axle.



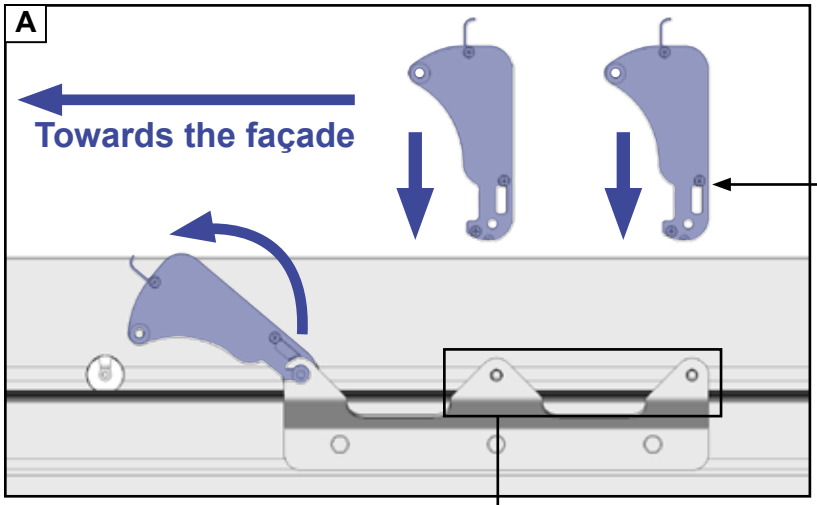
D Lock the BSO4902.



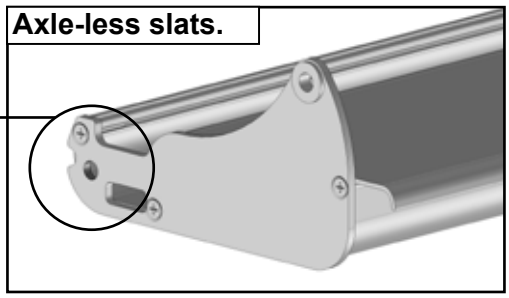
31 Fitting the jack slat.

Note : Double-span and multiple-span pergola: carry out this operation for the first span.

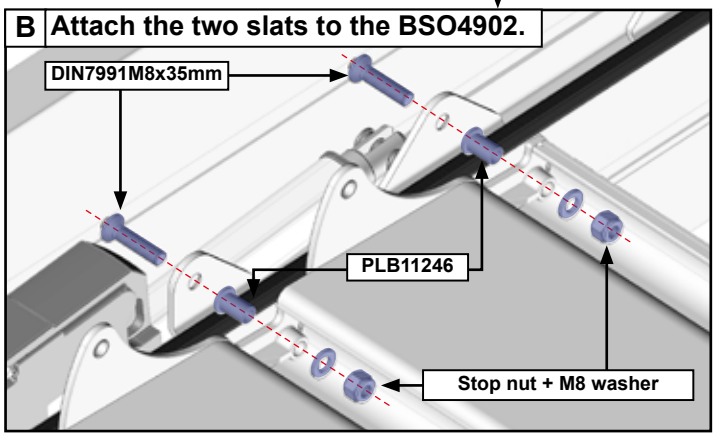
A



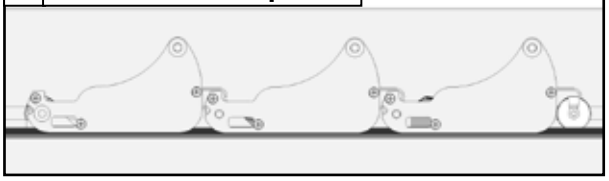
Axle-less slats.



B Attach the two slats to the BSO4902.



C Move back into position.

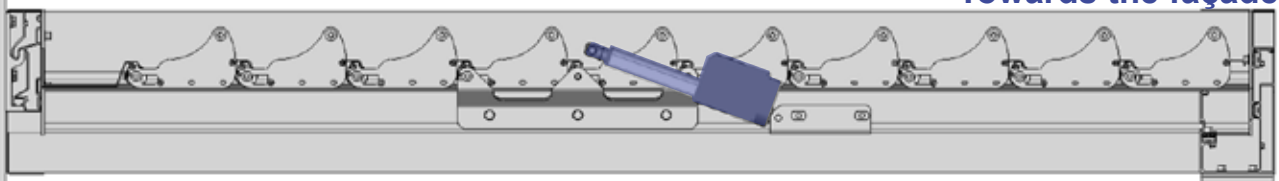


D Fit all the slats in the span. Refer to paragraph 18 on page 15.

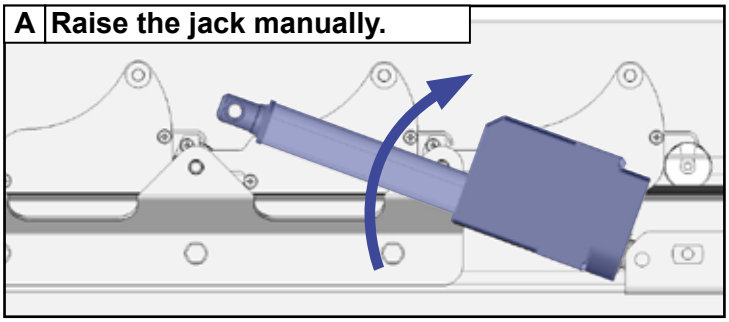
32 Preparing the cylinder in manual mode. Be sure to follow the order of operations A, B and C.

Note : Double-span and multiple-span pergola: carry out this operation for the first span.

Towards the façade



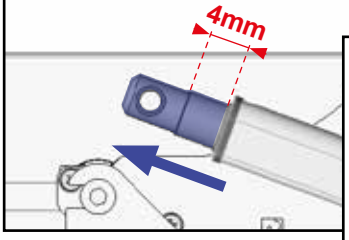
A Raise the jack manually.



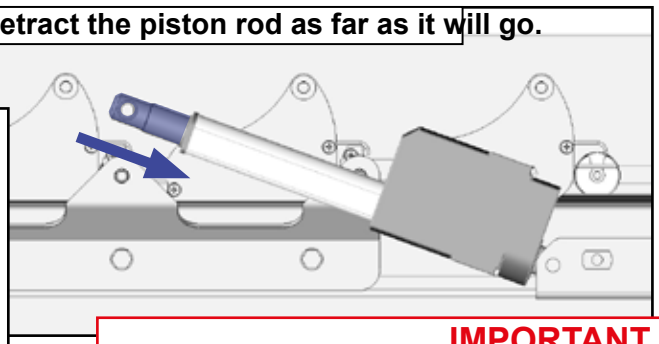
ATTENTION,

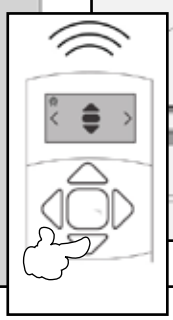
Opération importante à respecter scru-puThis is essential to ensure that your pergola operates correctly. Failure to respect the 4mm dimension may result in damage to the jacks.

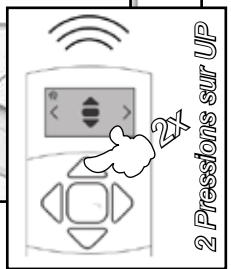
C Pull out the 4 mm piston rod.



B Retract the piston rod as far as it will go.





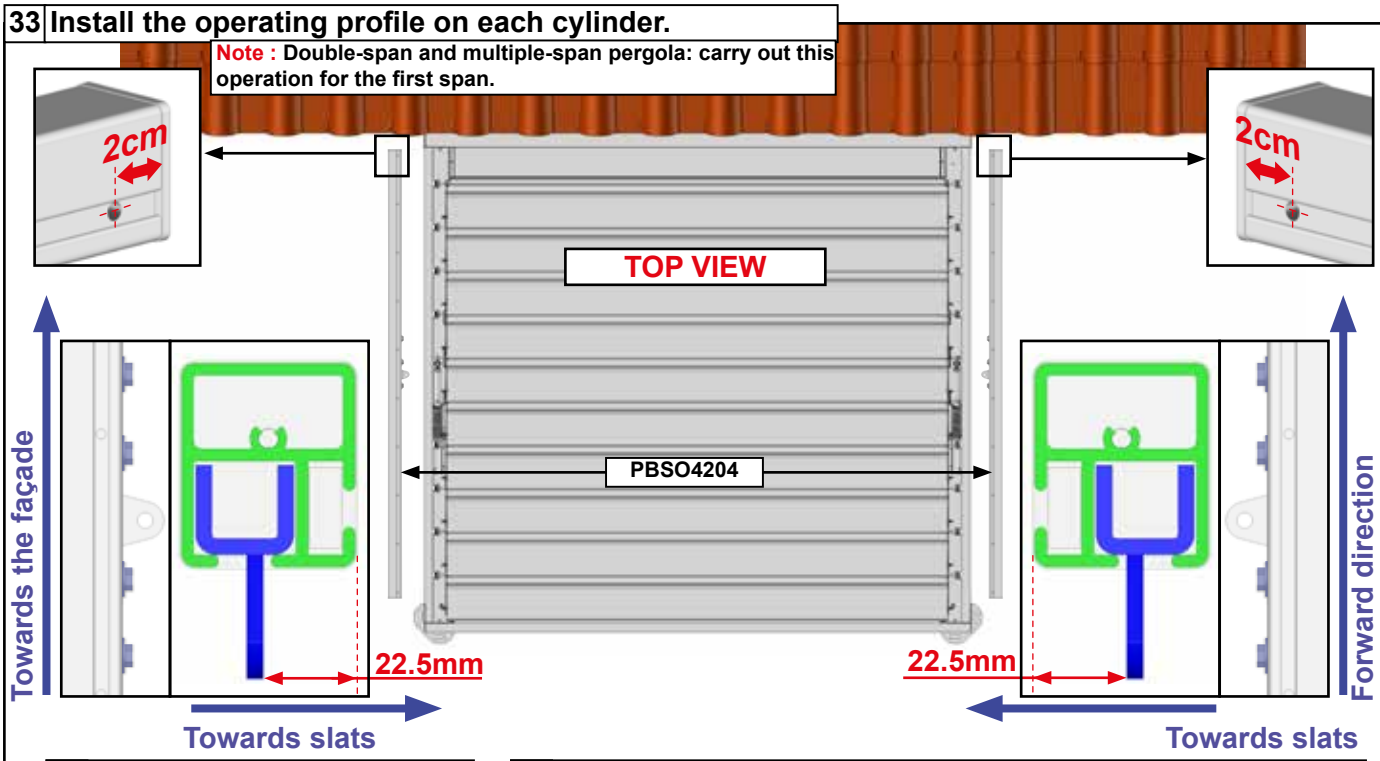


IMPORTANT,

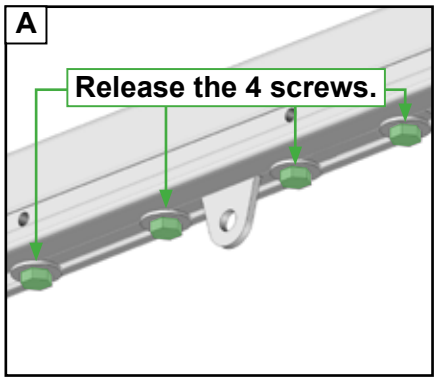
Check the 4mm dimension after pressing UP twice. Do not unscrew the cylinder rod.

33 Install the operating profile on each cylinder.

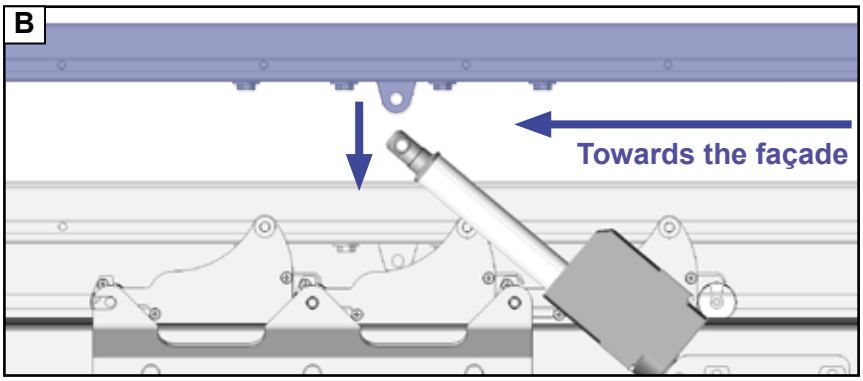
Note : Double-span and multiple-span pergola: carry out this operation for the first span.



A

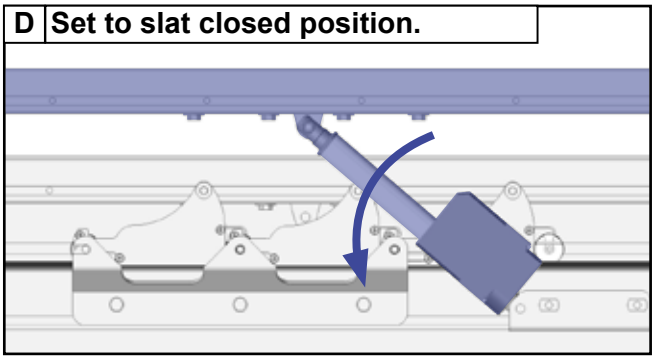


B

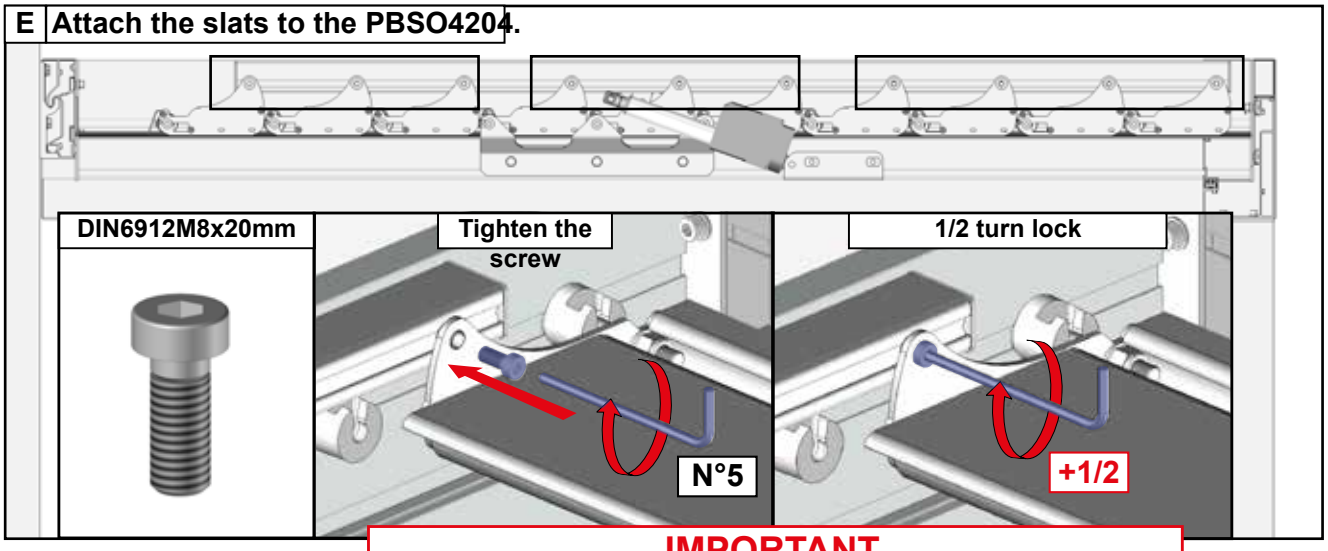


C Attach the BSO59 to the jack.

D Set to slat closed position.



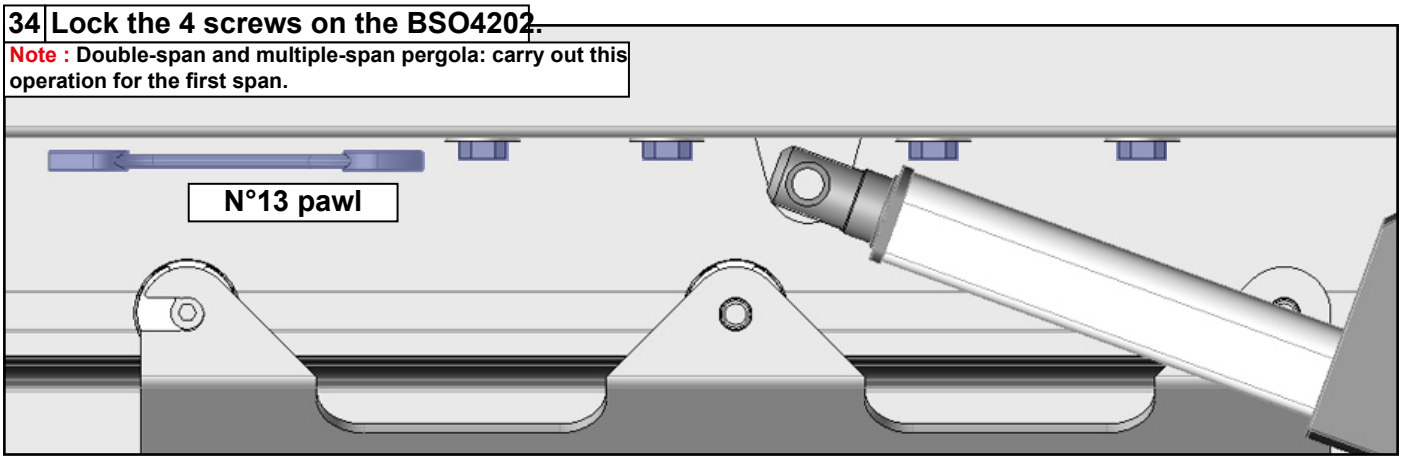
E Attach the slats to the PBSO4204.



IMPORTANT,
Tighten the screws as far as they will go, then turn the locking key 1/2 turn.

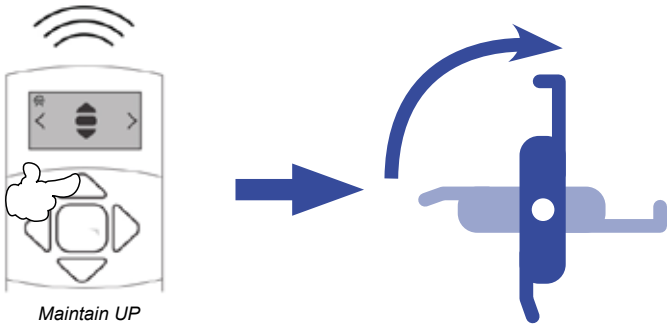
34 Lock the 4 screws on the BSO4202.

Note : Double-span and multiple-span pergola: carry out this operation for the first span.



35 Work time configuration.

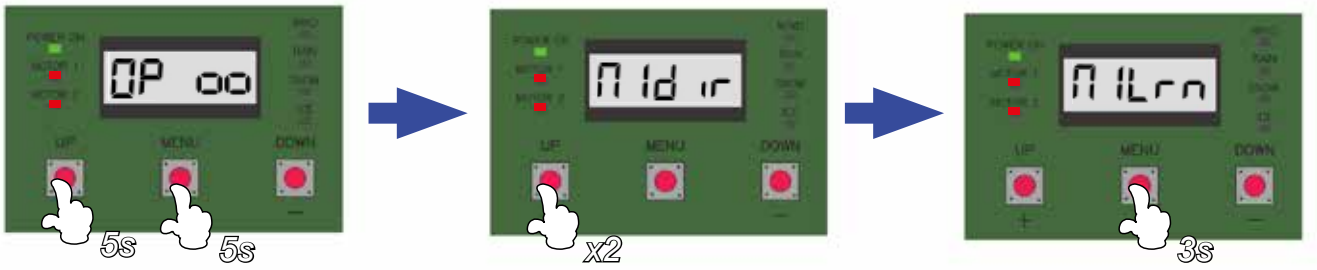
A Aperture control in manual mode.



Maintain UP

IMPORTANT,
Open the slats in manual mode and monitor the movement to detect any collisions or misbehaviour of the slat curtain. Go as far as the opening stop. The automated system displays 'OP oo'.

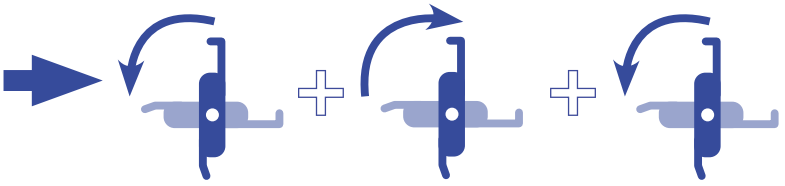
B Configure working time.



1 - Press 'UP' and 'MENU' for 5s, the display will show 'MIdir'.

2 -Press 'UP' twice and the display will show 'MILrn'.

3 - Press 'MENU' for 3s to start configuration.



4 -Working time configuration movement. Close + Open + Close

5 - The screen displays 'Done'.

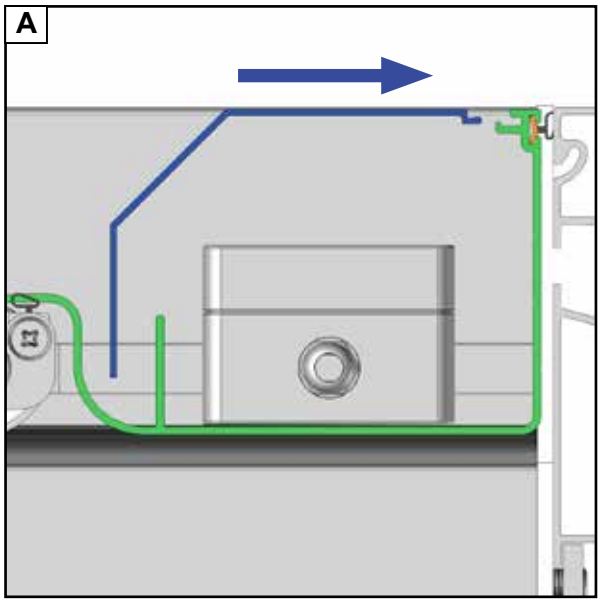
IMPORTANT, after setting the working time, make sure that the slats are level (the carriage is flat). If this is not the case, loosen the screws on the BSO4202, and repeat the setting of the working time with the cylinder in the zero start position (fully closed).

For more operations, such as deleting the memory or the weather sensor, refer to the paragraph on pages 34 to 40.

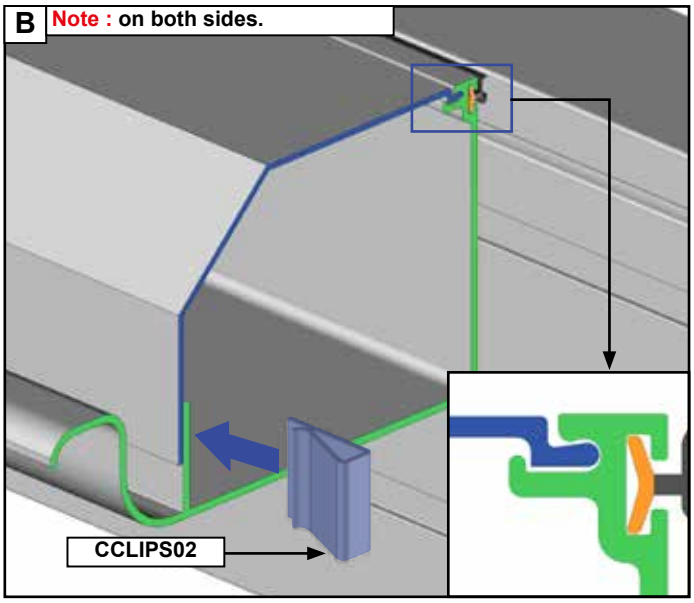
36 Fitting the cover profile.

Note : Double-span and multiple-span pergola: carry out this operation for the first span.

A



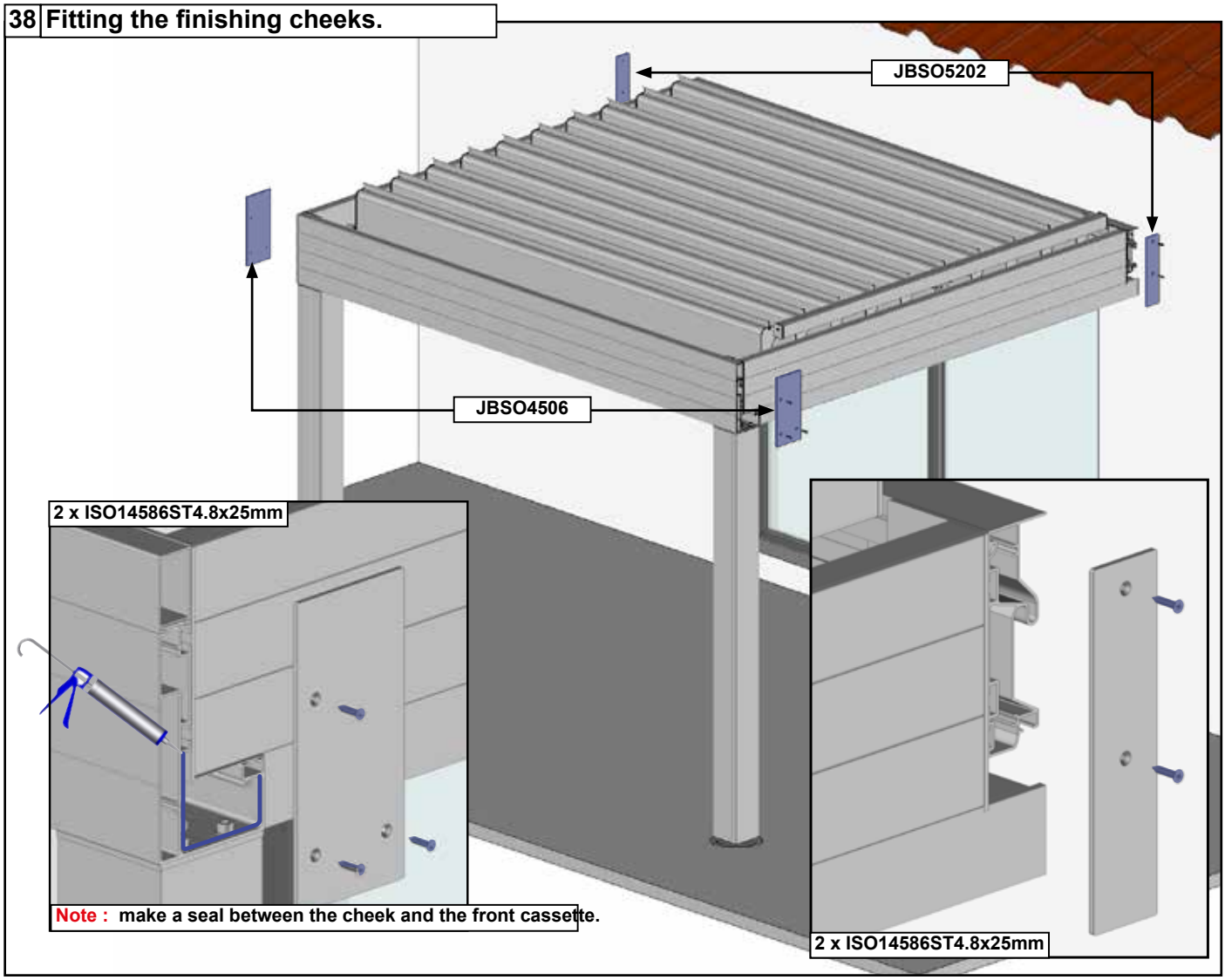
B Note : on both sides.



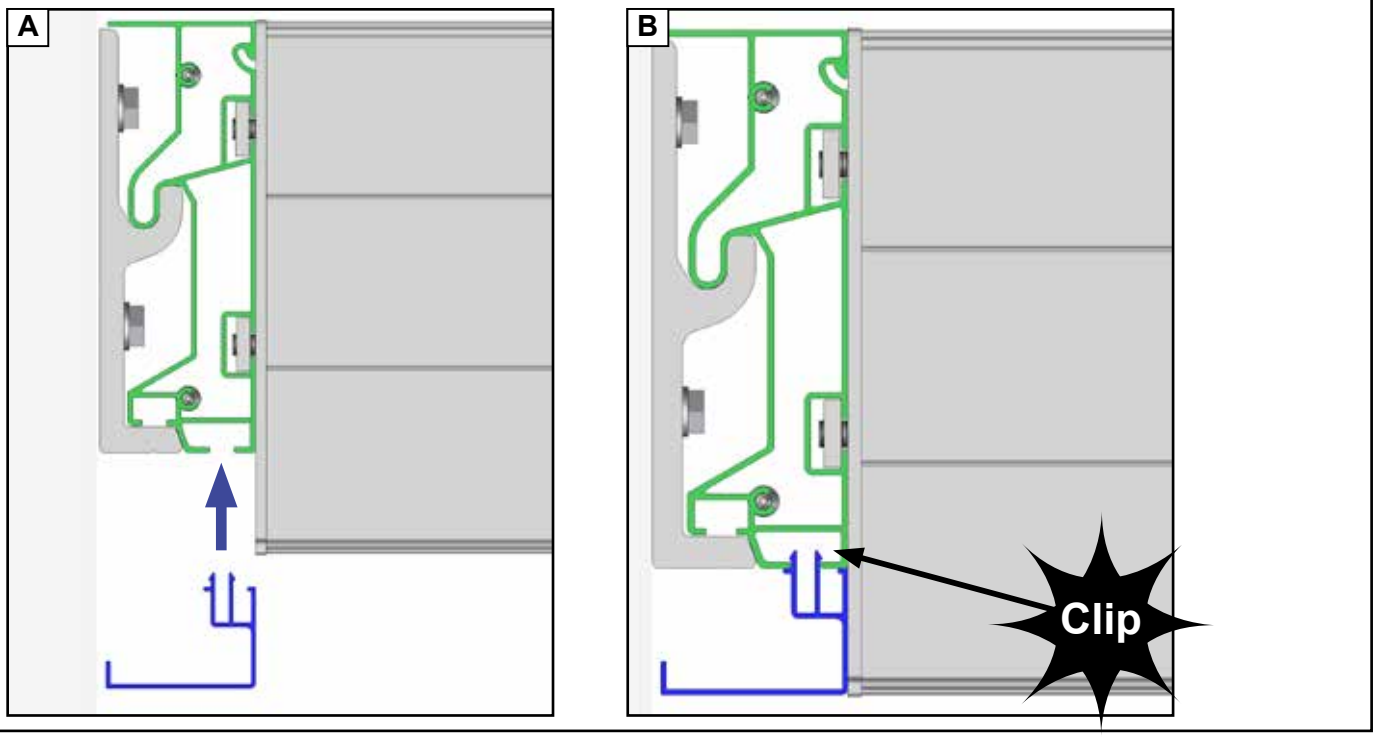
37 Move on to the next span. Double-span pergola and multi-span pergola.

Repeat the installation instructions on page 20 for the second span.

38 Fitting the finishing cheeks.



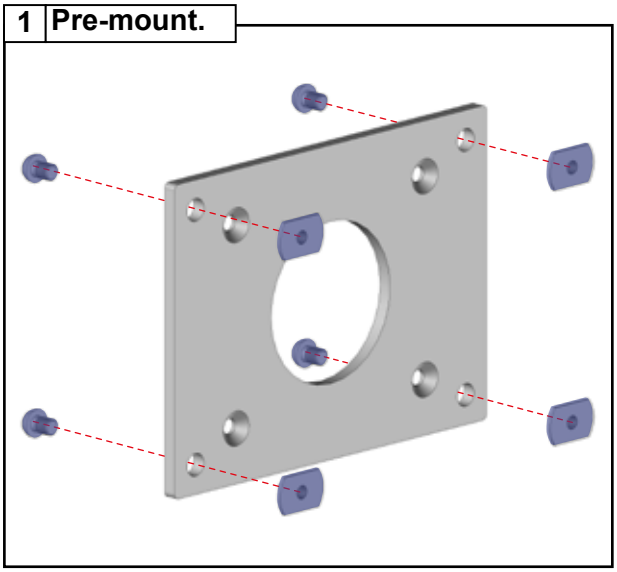
39 Installation of the finishing profile wall profile between the rafters supporting the slats.



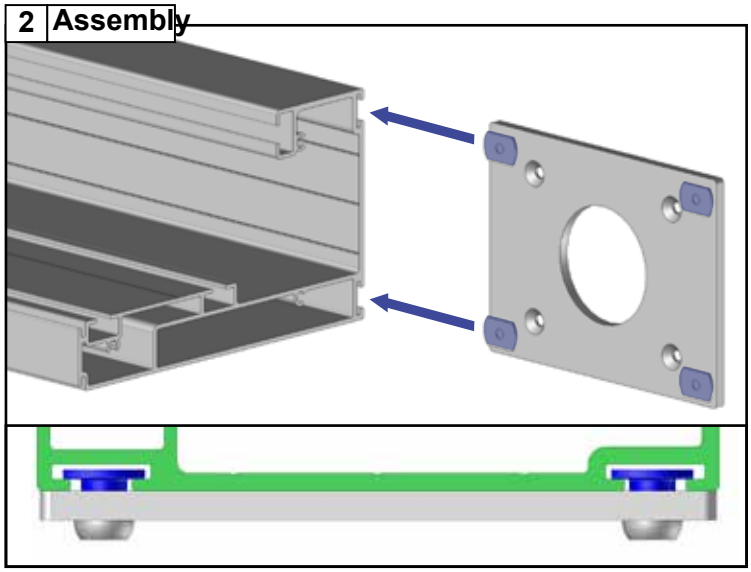
END OF INSTALLATION

OFFSET POST OPTION

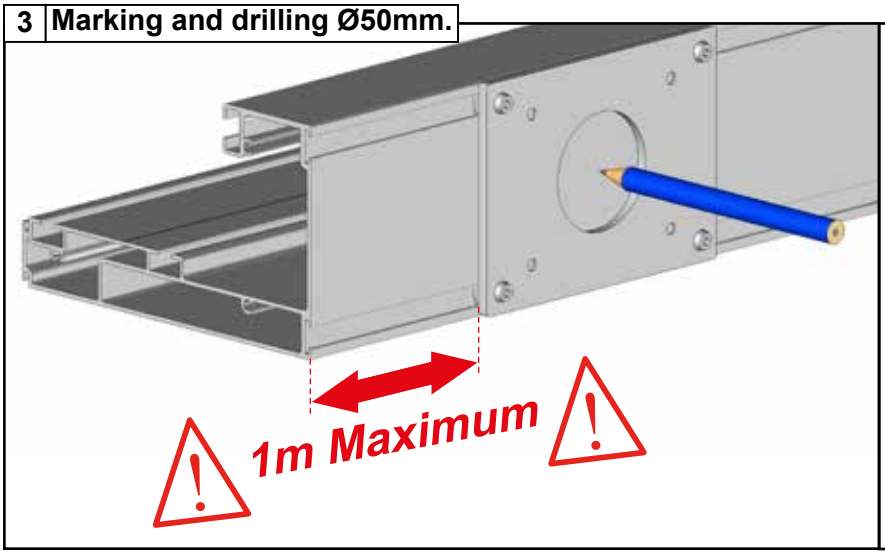
1 Pre-mount.

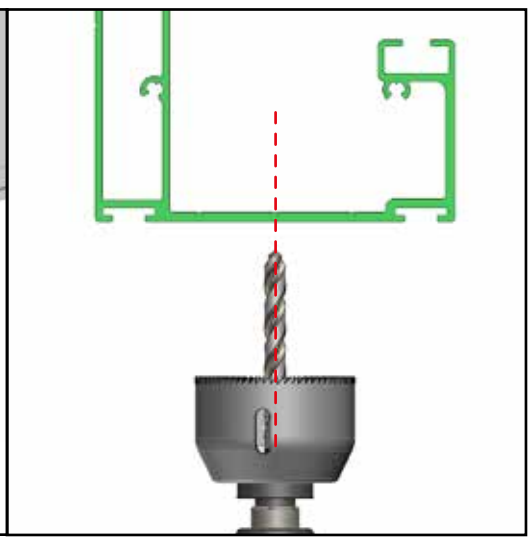


2 Assembly

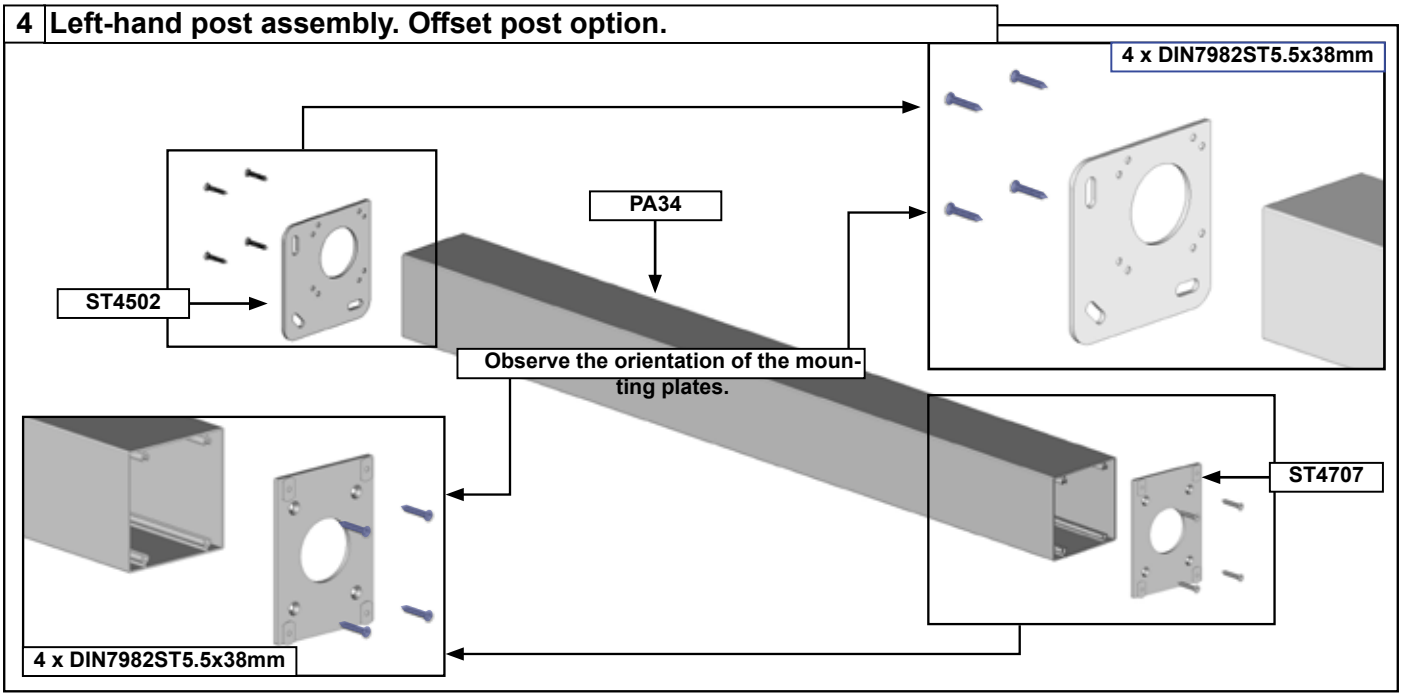


3 Marking and drilling Ø50mm.

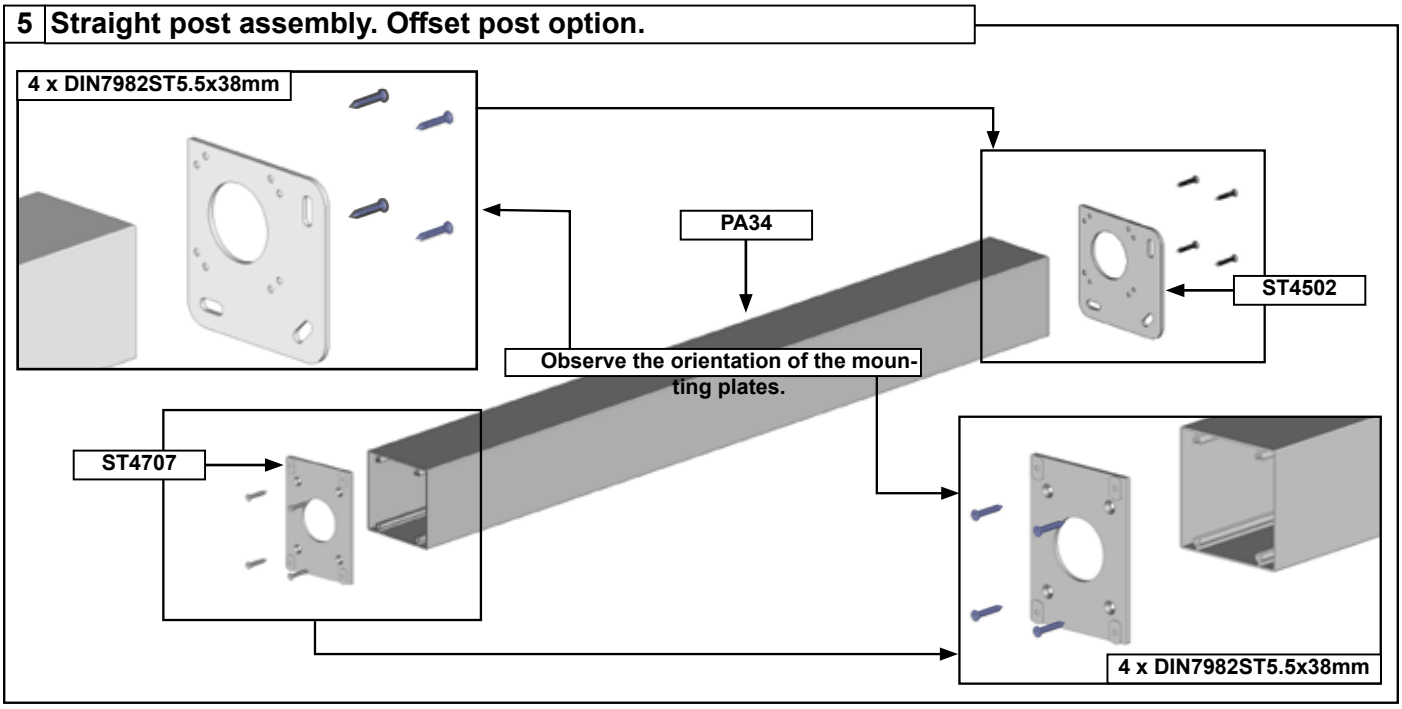




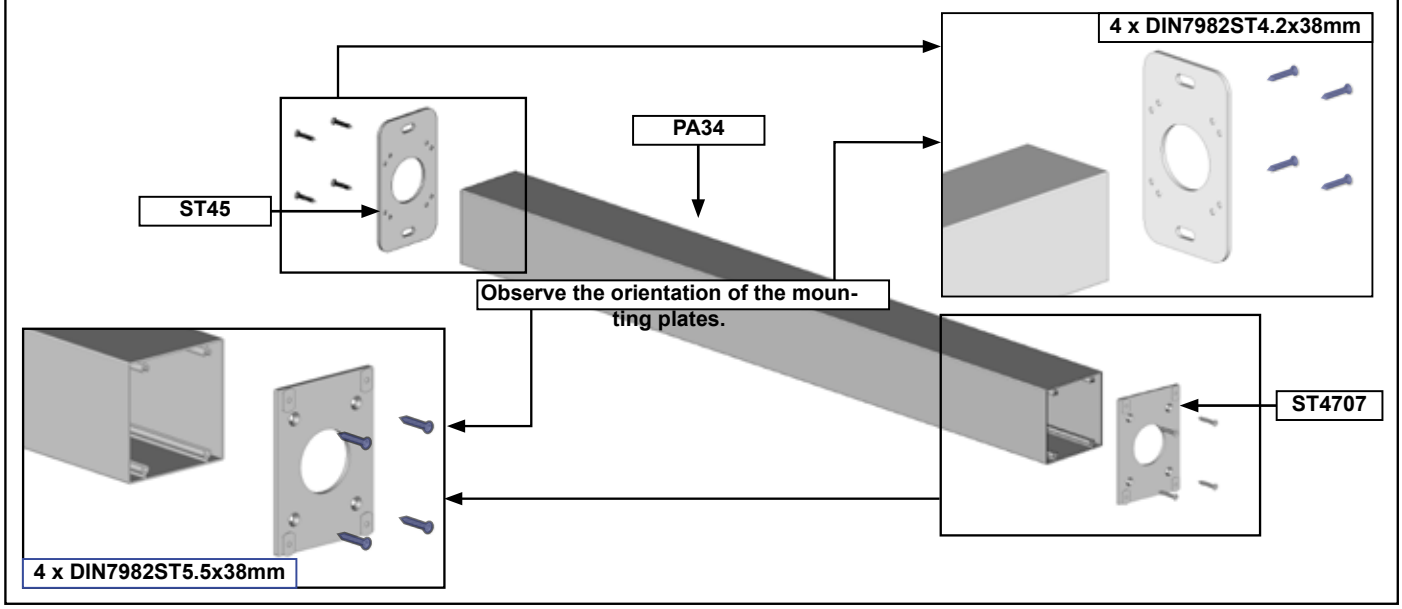
4 Left-hand post assembly. Offset post option.



5 Straight post assembly. Offset post option.

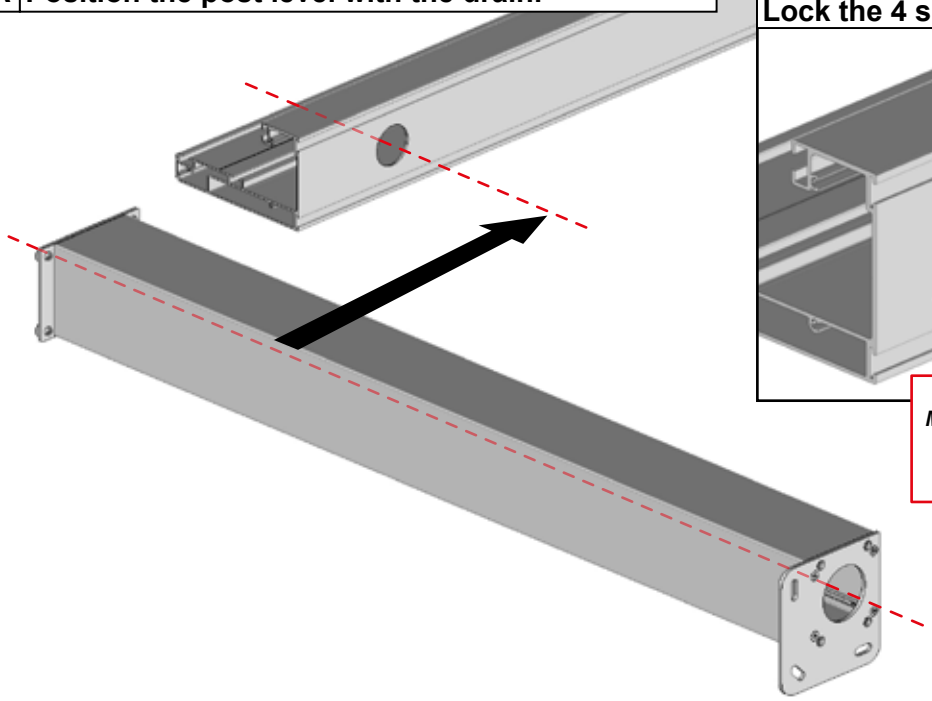


6 Intermediate post assembly. Offset post option. Pergola over 4.5 m wide only.

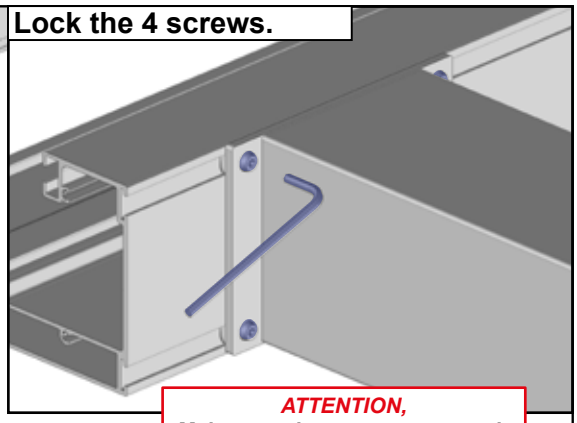


7 Front cassette awnings assembly. Example with straight post + drainage in the ground.

A Position the post level with the drain.

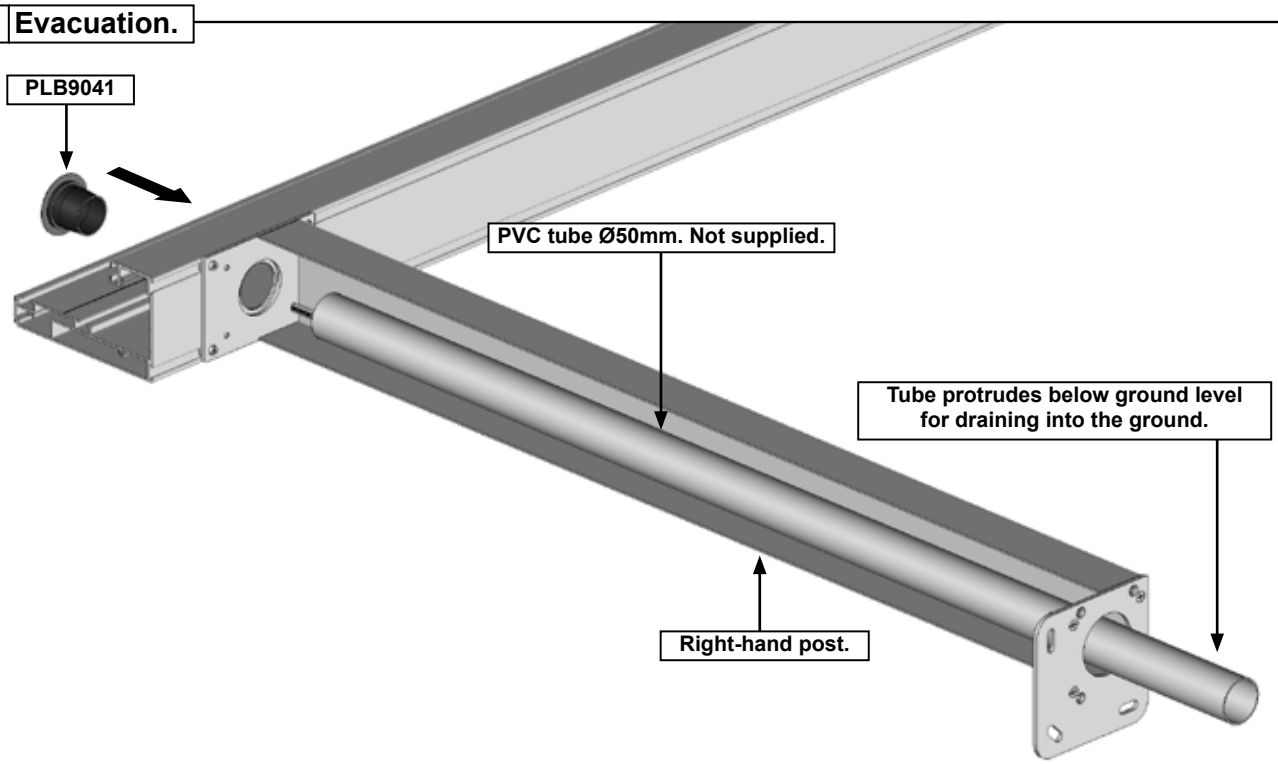


Lock the 4 screws.

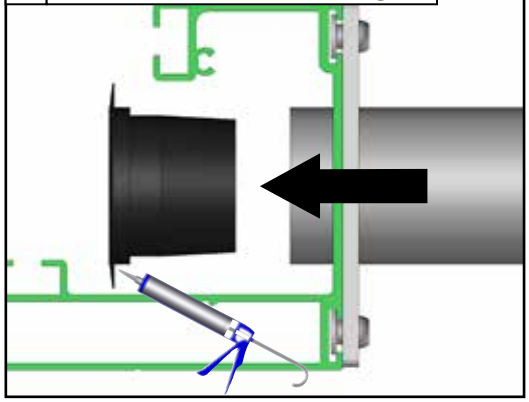


ATTENTION,
Make sure the posts are securely fastened to the front cassette awnings. Risk of falling.

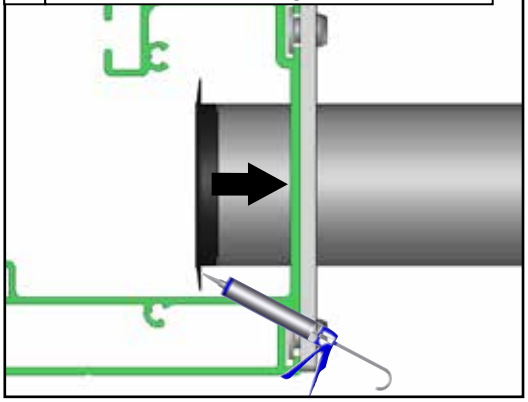
B Evacuation.



1 Glue the tube to the ring.



2 Glue the assembly to the cassette

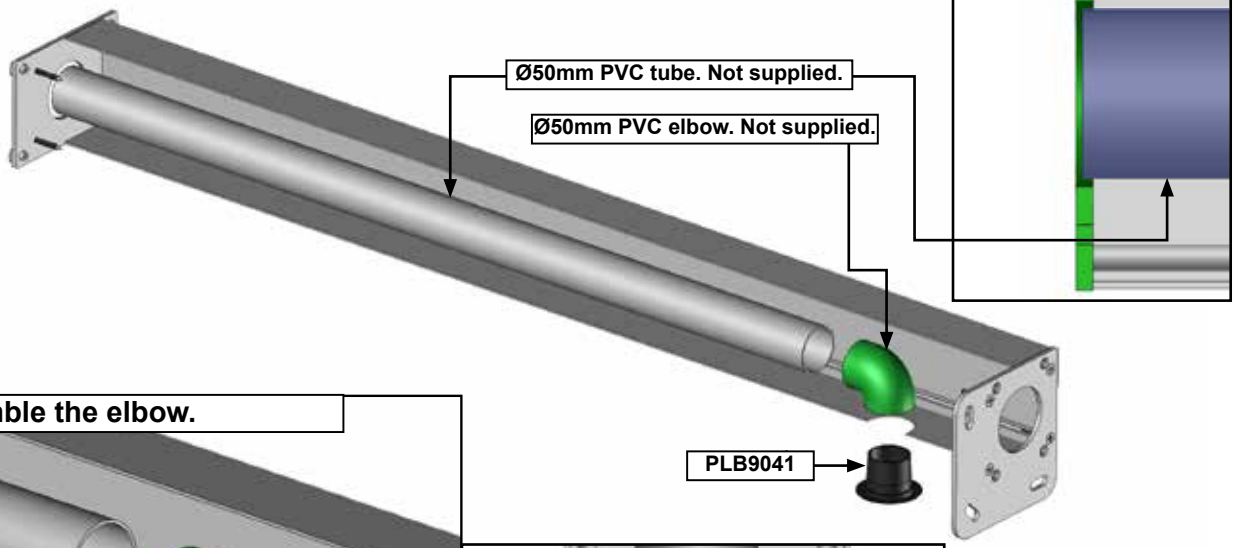


8 Front cassette assembly. Example with straight post + water drainage elbow.

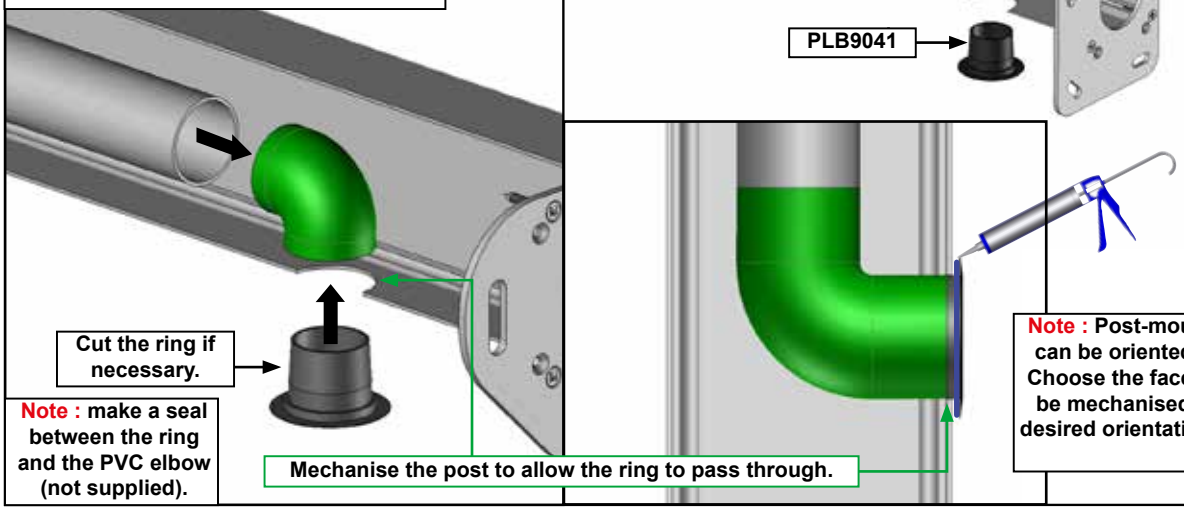
A Position the drain.

Note : Identify the side where the water drain will be located. Attention, The water drain must face away from the pergola.

Note : determine the length of your PVC tube so that you have a clearance of 3mm with the ST4707



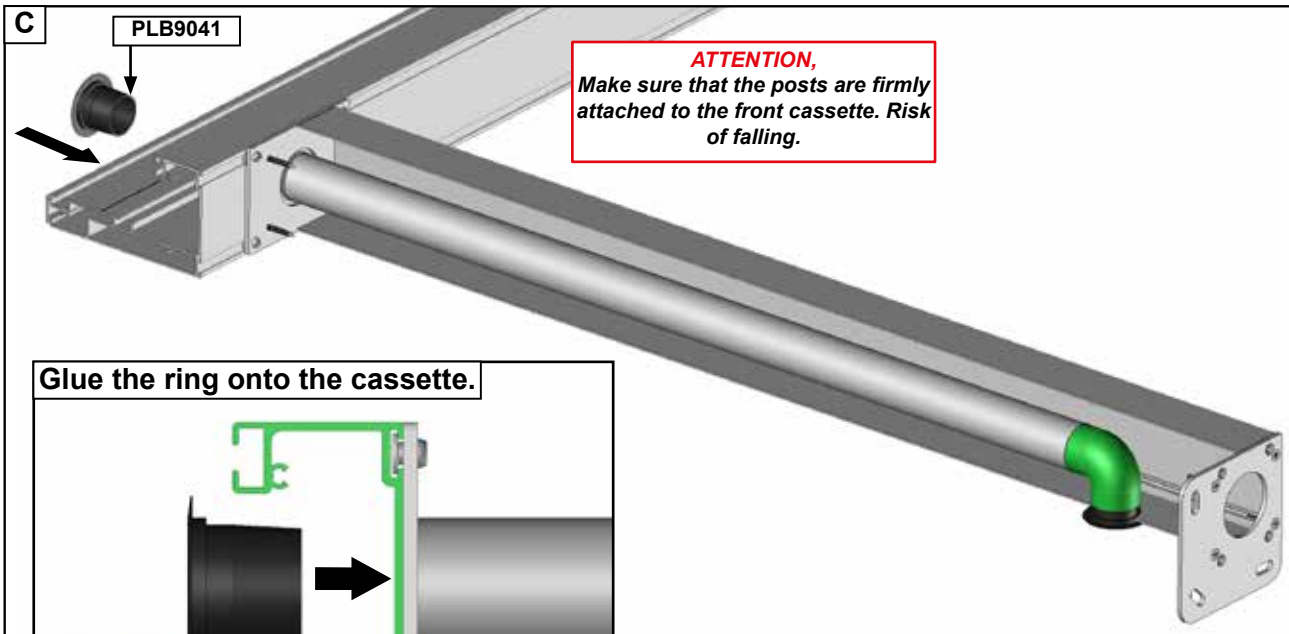
Assemble the elbow.



Note : Post-mounted drainage can be oriented as you wish. Choose the face of the post to be mechanised to obtain the desired orientation of the drain.

B Position the post level with the drain. See paragraph A page 31.

C



Glue the ring onto the cassette.

FREQUENTLY ASKED QUESTIONS

1 - Poor water drainage. Stagnant water in the slat supports:

- Check that the structure is not on an inverted slope. Remove all the slats from the structure and level the structure.

2 - When water leaks through the feet:

- Poor watertightness of the front casing trim panels. Check or make the watertightness between the front profile trim panels and the front box.

3 - Water leakage at the louvres:

- The slats do not close properly. Re-prepare the cylinder and set the working time. With the blades closed, loosen the BSO4204, extend the 4 mm piston, retighten the BSO4204 and repeat the setting of the working time.

4 - The slats do not open:

- Make sure that the pistons are in tension.
- Check the electrical wiring. Be careful to cut off the power in case of tampering.
- Repeat the setting of the working time with all the blades assembled without the second and third blades.
- Check that the structure is square.
- Check the assembly of the control profiles.

5 - The screws of the piston are rubbing against the frame of the structure :

- Check the assembly of the control profiles.

6 - When assembling the frame, the feet of the front profiles are not level (90°):

- Problem of perpendicularity. Level the frame or calibrate the floor mounting brackets.

8 - The LED strip stays on continuously:

- Check that the cable passes through the PBSO47. Check that the LED cable is not stripped and in contact with the PBSO47. Disconnect the power supply in case of manipulation.

9 - One of the LED strips illuminates less than the others or one LED does not illuminate in the centre of the strip:

- Malfunction in the LED strip. Replace the LED strip.

10 - A day appears between the upper profile and the first slat:

- Normal phenomenon of bending of the first louvre. This phenomenon does not cause leakage.

11 - Condensation under the slats:

- Phenomenon of a large external temperature change. This natural phenomenon does not affect the quality of the bio-climatic pergola.

***** Translated with www.DeepL.com/Translator (free version) *****

Maintenance tips for the slatted pergola:

A pergola with slats is subject to various restrictions: humidity, salty air, wind...

Our recommendation is:

- ► check that all bolts and nuts are tightened after installation, do it regularly: at the beginning and at the end of the season.
- ► clean the structure at the beginning and end of the season. Attention, do not use detergent products

Do not open the pergola in case of:

Waterproof in case of rain.

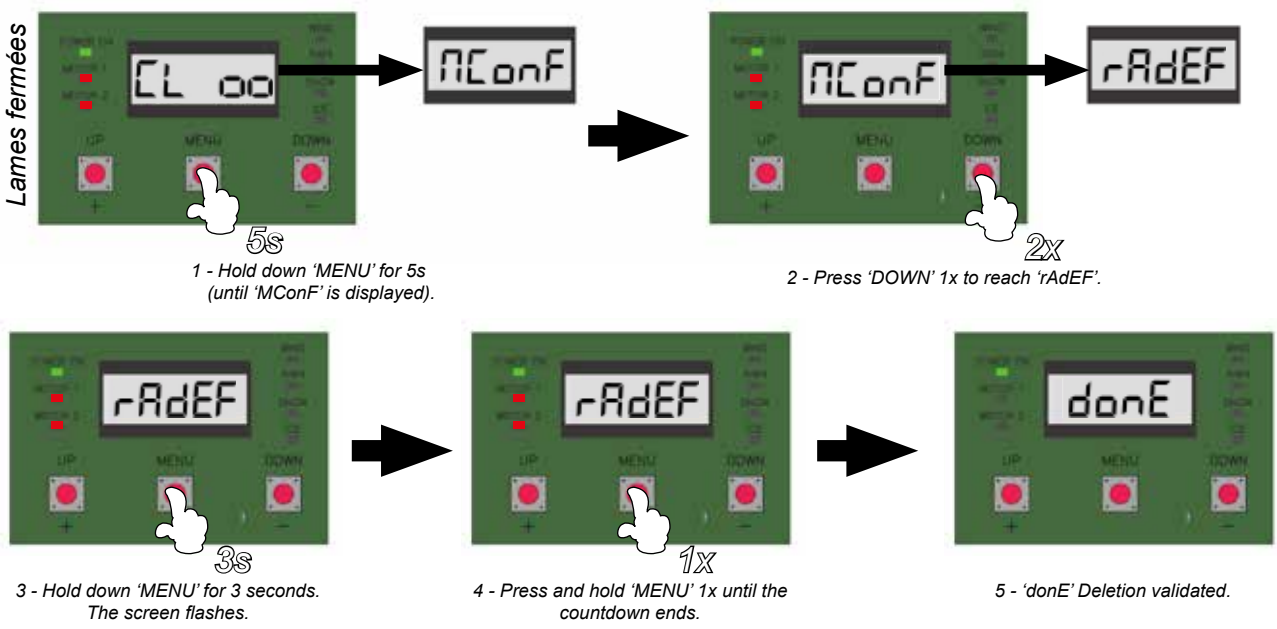
Open the pergola in case of:

When it has snowed a lot:

If it snows while you are away, remove as much snow as possible before opening the slats.

Open the slats of the pergola when the wind is higher than 140 km/h.

Deletion of radio memory. Remote control + Climate sensor.



1 - Hold down 'MENU' for 5s (until 'MConF' is displayed).

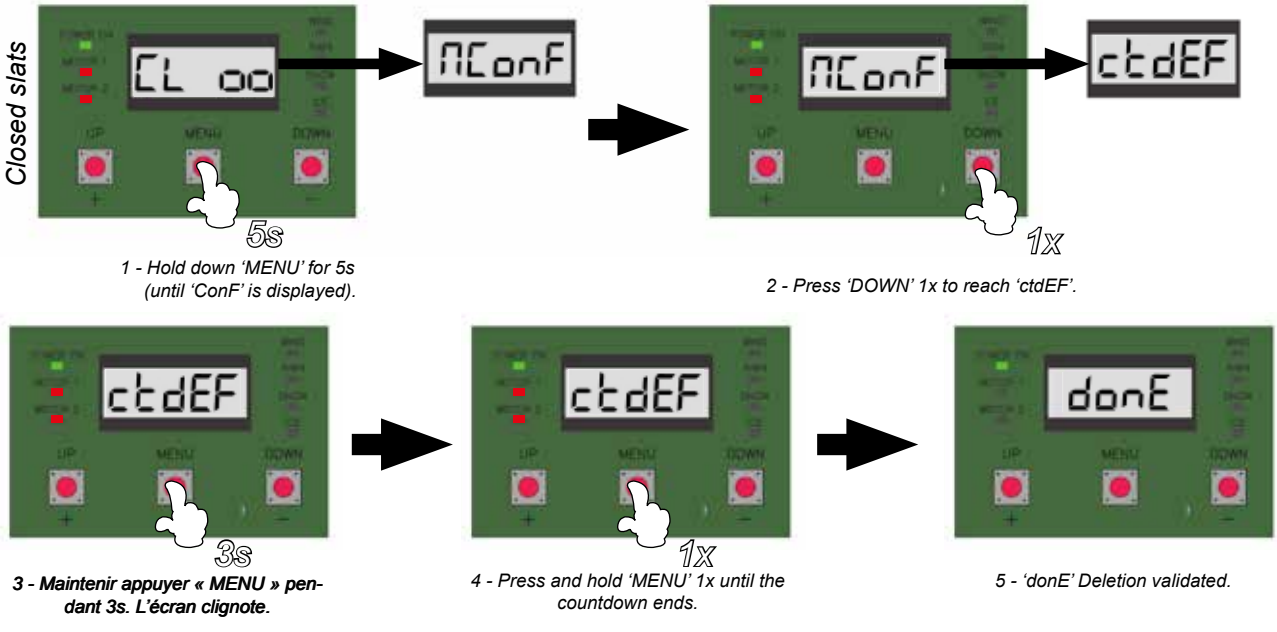
2 - Press 'DOWN' 1x to reach 'rAdEF'.

3 - Hold down 'MENU' for 3 seconds. The screen flashes.

4 - Press and hold 'MENU' 1x until the countdown ends.

5 - 'donE' Deletion validated.

Reset the automated system to factory mode.



1 - Hold down 'MENU' for 5s (until 'ConF' is displayed).

2 - Press 'DOWN' 1x to reach 'ctdEF'.

3 - Maintenir appuyer « MENU » pendant 3s. L'écran clignote.

4 - Press and hold 'MENU' 1x until the countdown ends.

5 - 'donE' Deletion validated.

ON-SCREEN INDICATION

OP	Motor in OPEN position
CL	Motor in CLOSED position
·O	Handling on opening
·C	Handling on closing
SO	Intermediate stop during opening
SC	Intermediate stop during closing
--	Motor 2 not used (S ·nGL)
oo	Motor 2 synchronised to Motor 1 (S ·ncr)
E1	Overcurrent in intermediate position (i.e. obstacle)
E2	No motor current in intermediate position
E3	Final position not reached
E4	Motor short circuit.
E5	Undervoltage
E6	System restore successfully after a power outage. No action needed
Er-nt	System restore not successfully performed after a power failure. It is necessary to restart the Control Unit

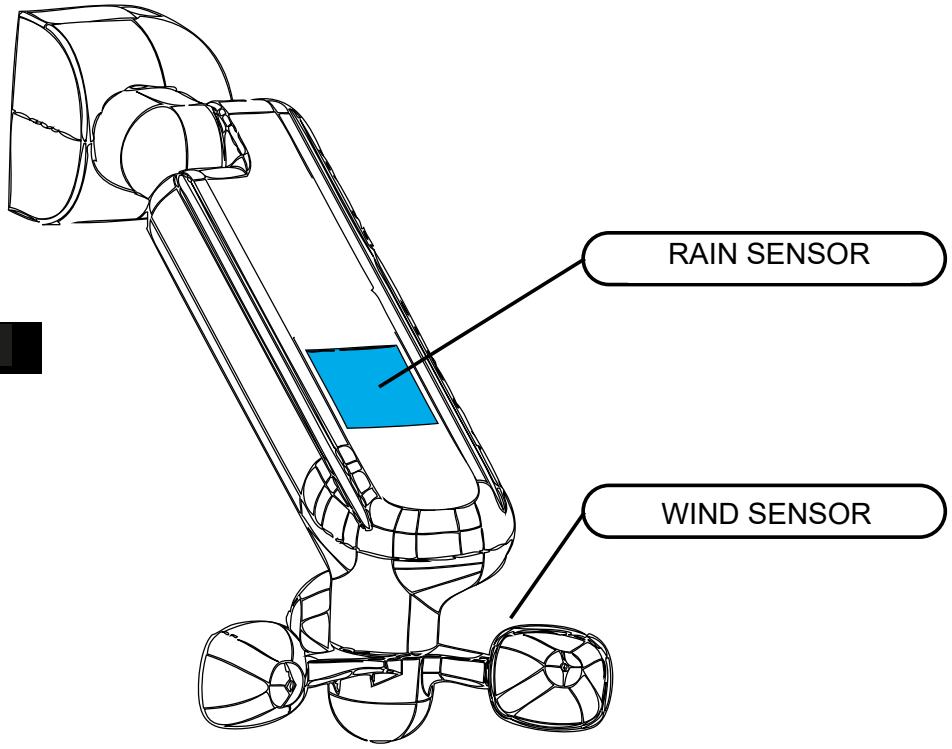
AUTOMOBSOVERCLIM OPTION

The AUTOMOBSOVERCLIM device is a climate sensor designed to detect atmospheric events.
The sensor communicates the state of the air detected by radio communication at 433.92mhz, so it is not necessary to between the sensor and the ECU. The device can only operate in conjunction with the pergola's pergola control units

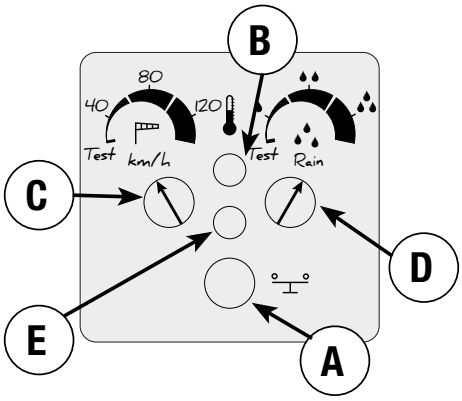
ATTENTION!
The AUTOMOBSOVERCLIM device is not a measuring instrument and therefore does not communicate a detected value to the control unit, but communicates the presence or absence of the affected atmospheric event.
Management of the automation of this event is assigned exclusively to the control unit used.
During installation, also refer to the instruction manual of the control unit used.

1 - Product overview and technical specifications

FRONT VIEW



REAR LABEL VIEW



Description:

A. TRANSMISSION button

B. TEMPERATURE SENSOR

C. Trimmer for regulating WIND INTENSITY

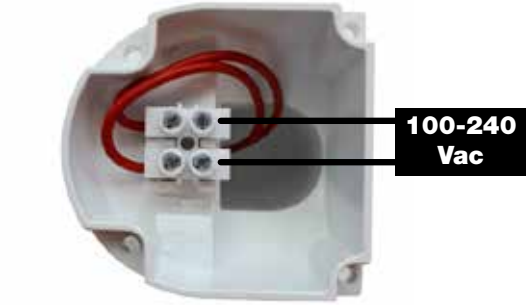
D. Trimmer for regulating RAIN INTENSITY

E. Multicoloured LED indicator

2 - Technical specifications

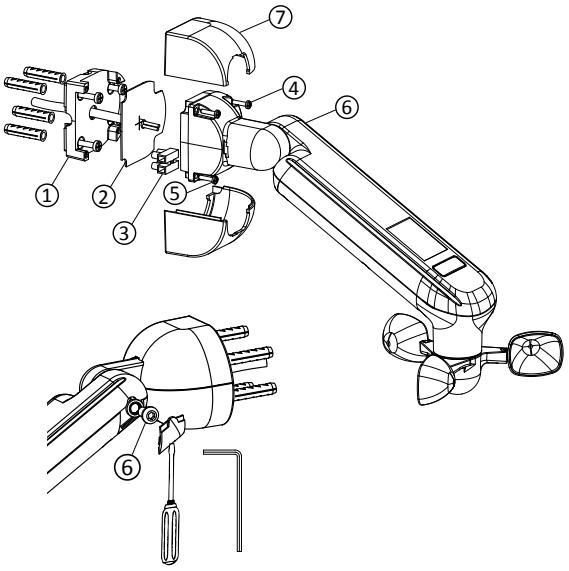
Sensor	Features				Power supply	Heating	Consumption energy
	LIGHTING	WIND	RAIN	TEMPÉRATURE			
AUTOMOBSOVERCLIM		•	•	•	100-240Vac	OUI	1,5 W 12 W avec chauffage

SUPPLY TERMINAL

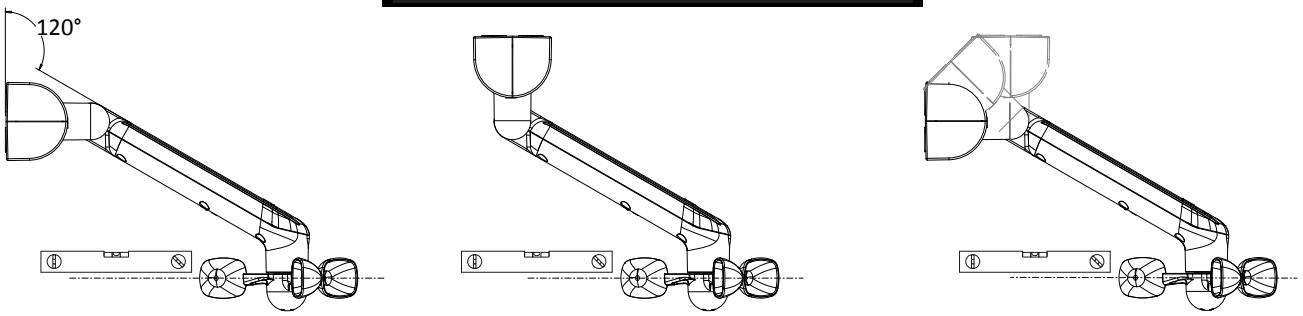


3 - Assembly and connections

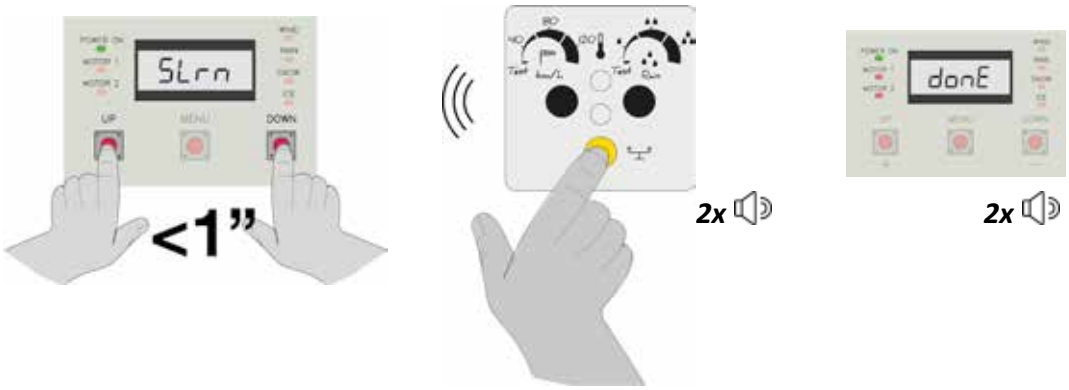
Instructions de montage:
• Fixer la plaque (1) au mur à l'aide de la table de perçage (voir chapitre 8) à au moins 2 m du sol.
• Appliquer le joint (2) , en passant le câble d'alimentation dans le trou.
• Brancher le câble d'alimentation à la borne (3) .
• Visser (4) le capteur sur la plaque murale, soulever le capteur et visser les vis (5) .
• Retirer la protection (6) et régler le niveau du capteur de manière à ce que les lames soient de niveau (voir ci-dessous).
• Serrer la vis avec une clé hexagonale de 4 et repositionner la protection (6) en l'insérant par le bas et en appuyant jusqu'à la fermeture.
• Couvrir avec les capots (7) .



INSTALLATION INFORMATION



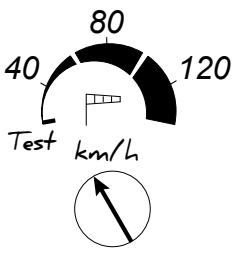
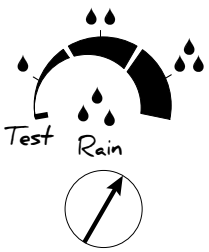
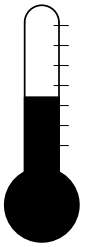
4 - Sensor learning.



Répétez la procédure pour effacer le capteur de la mémoire. / Repeat the procedure to erase the sensor from memory.

5 - Setting and description of the TRIMMER (Potentiometer)

Each AUTOMOBSOVERCLIM has two trimmers on the back, which you can use to adjust the sensor associated with it.

WIND SENSOR The setting varies from a few km/h to a maximum of 160km/h. By setting a low value, the sensor reacts with little wind. You can deactivate the wind sensor by turning the trimmer fully clockwise. **CAUTION: Disabling the wind sensor may damage the automation.**	
RAIN SENSOR The setting ranges from low humidity detected to high rain detected on the sensor. By setting a low rain value, the sensor will react to a small amount of water/humidity, whereas by setting a high value, the sensor will react to a large amount of water. The sensor is also sensitive to hand moisture. Do NOT touch the sensor with your hands.	
TEMPERATURE SENSOR The temperature thresholds are set and cannot be changed. The sensor intervenes when the ambient temperature falls below the threshold by about 4ºC.	

POSITION "*Test*"

Each trimmer also has a position called ‘Test’.
This position is found by turning the trimmer fully anti-clockwise.
In this position, the sensor speeds up threshold transitions and the sending of alarms, and is very sensitive to atmospheric events.
For this reason, in certain environments, the ‘Test’ position could cause the sensor to always alarm.

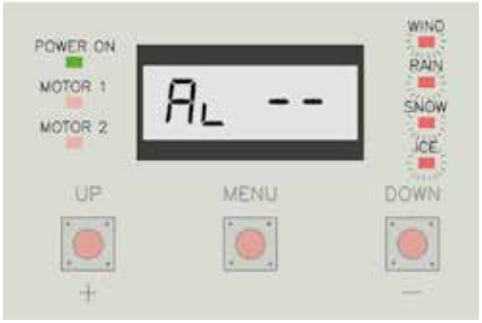
6 - Communication test. In the event of a communication problem

2 sec.

Press the button on the sensor to check communication. If it works, the switch will beep.

Carrying out the communication test involves resetting all the states detected and resetting all the countdowns by the ECU.

7 - Sensor disconnection.



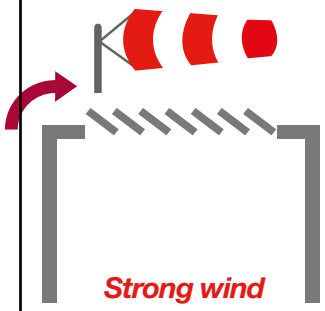
When communication with the weather sensor is lost, the control unit switches the motors to the 33% safety position. In this state, no user commands are activated.

8 - Troubleshooting FAQ

Trouble	Possible causes	Solutions
When you press button (A) on the sensor, the LED does not flash.	Lack of power	Check power supply connection
The automation does not close in case of wind.	The set threshold (trimmer) of the wind sensor is too high.	Rotate the trimmer adjusting the wind sensor counterclockwise to a lower value.
	Wrong incline of the sensor	Adjust the grade of the sensor so that the wind sensor blades are level.
	Wrong settings of the control unit	Check the Control Unit settings.
The automation closes with little wind.	The set threshold (trimmer) of the wind sensor is too low	Rotate the trimmer adjusting the wind sensor clockwise over a higher value
Automation always has an active rain alarm.	The set threshold (trimmer) of the rain sensor is too low	Check that the adjustment trimmer is not set to the «Test» position and adjust the trimmer clockwise over a higher value. It is recommended to use the ADJUSTMENT MODE for this adjustment

Wind alarm (Property 1 - MAXIMUM)

If the wind exceeds the threshold set on the AUTOMO BSO CLIM VER sensor, the latter will communicate the alarm status to the control unit, which will direct the profiles to the safety position 01 ind , expressed as a percentage (e.g. 33%) of opening. The duration of the wind alarm is 12 minutes from the end of the alarm (wind below the intervention threshold), a safety condition. During the wind alarm period, any user command will be ignored (audible signal).
Intervention signalled by 2 beeps, the display shows At .

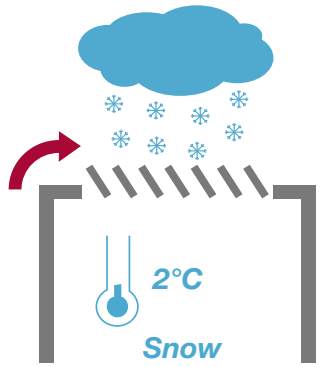


51 ind	On	OFF	Wind sensor configuration, on or off (factory setting On)
01 ind	0... 100 Default value : 33		Percentage of pergola profile opening in the event of a wind alarm (factory 33% of total opening)

Snow alarm (Property 2)

In the event of snow, the profiles of the Pergola will be oriented in the 0 snow safety position, factory set at 66% opening. The duration of the snow alarm is 30 minutes from the end of the alarm, a safety condition. During the alarm any user command will be ignored (audible signal).
Intervention signalled by: 3 acoustic signals, display shows 'An'.

WARNING! The AUTOMO BSO CLIM VER sensor transmits the alarm status according to the thresholds configured in the sensor itself. The sensor does not transmit the analogue value of the various physical quantities (e.g. wind speed, temperature, etc.). The ice alarm, which identifies the possibility of ice on the profiles and the possible presence of snow, has a fixed threshold of 2°C and cannot be set.



55no1	On	OFF	Activation et désactivation du capteur de neige (usine ON, activé)
05no1	0... 100 Default value : 66		Percentage of pergola profile opening in the event of a snow alarm (factory 66% of total opening)

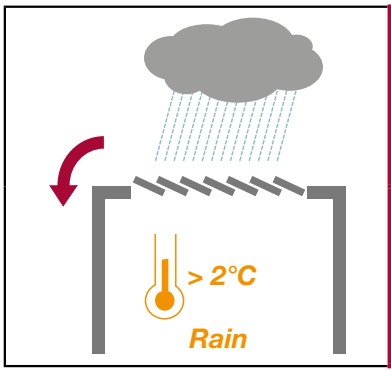
Tel : 04 68 38 21 46
E-mail : sav@sav-usine.fr

Alarme Pluie (Propriété 3)

En cas de pluie, les profils de pergola se fermeront complètement. Pendant le temps d'alarme, chaque commande utilisateur sera ignorée (signal sonore). La durée de l'alarme de pluie est de 2 minutes, au terme desquelles les profils, tout en restant en position fermée, peuvent être déplacés via une commande utilisateur.
Le capteur de pluie est un système de confort d'automatisation, pas dans la sécurité du même, il est donc possible de désactiver temporairement ou définitivement l'alarme (utilisateur).
Désactivation temporaire du capteur de pluie: Pour désactiver le capteur de pluie, maintenez la touche STOP enfoncée pendant 10 secondes. Durée de la désactivation: 1 heure, signal sonore:
- Désactivation du capteur confirmée par un signal acoustique continu de 4 secondes
- Activation du capteur de pluie confirmée par une série de 4 signaux acoustiques proches

Fonction de drainage de l'eau: dans les 6 heures suivant la fin de l'alarme de pluie, la première commande utilisateur amènera la position des profils 0rain à 33% de l'ouverture pour s'assurer que l'eau est correctement évacuée des profils. Pendant les 4 prochaines minutes, il sera possible de déplacer les profils uniquement en mode "homme présent"

AVERTISSEMENT! Cette fonction permet de drainer l'eau accumulée sur les profilés assurant un drainage adéquat et complet

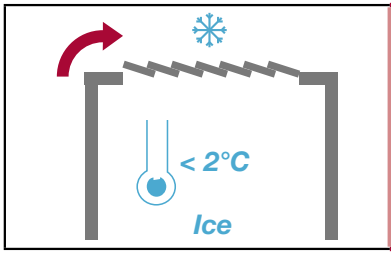


SrAIn	On	OFF	Activation et désactivation du capteur de pluie (usine On, activé)
OrAIn	0... 100 Default: 0		Pourcentage d'ouverture du profil en cas d'alarme pluie (usine 0% de l'ouverture totale, la pergola ferme complètement)

Alarme glace.

L'alarme de glace se produit lorsque le capteur détecte une température inférieure à 2 ° C et que la pergola est en position complètement fermée. Les profils dans cette condition seront automatiquement orientés par le système sur la position O icE (pourcentage), réglée en usine à 10% de l'ouverture totale, ceci pour éviter que les joints en caoutchouc ne collent.
L'utilisateur peut déplacer la pergola à tout moment et dans la position souhaitée, tant qu'elle n'est pas en position de sécurité O icE (10% réglage d'usine). L'écran affiche Ac

Désactivation temporaire du capteur de glace (utilisateur): Pour désactiver le capteur de glace, il est nécessaire d'appuyer 10 fois consécutives sur le bouton STOP de l'émetteur. Durée de la désactivation: 1 heure
- Désactivation du capteur confirmée par un signal acoustique continu de 4 secondes
- Activation du capteur confirmée par une série de 4 signaux acoustiques proches



S icE	On	OFF	Configuration, activation et désactivation du capteur de glace [DEFAULT On, activé]
O icE	0... 100 Default: 10		Pourcentages d'ouverture pour Ice [DEFALUT 10%]

3 REPOSITIONNEMENT DE LA PERGOLA APRÈS LES TRAVAUX DU CAPTEUR CLIMATIQUE

Le repositionnement consiste en le retour (à la fin de l'heure d'alarme) par la pergola à la position d'origine avant l'intervention du capteur météo.

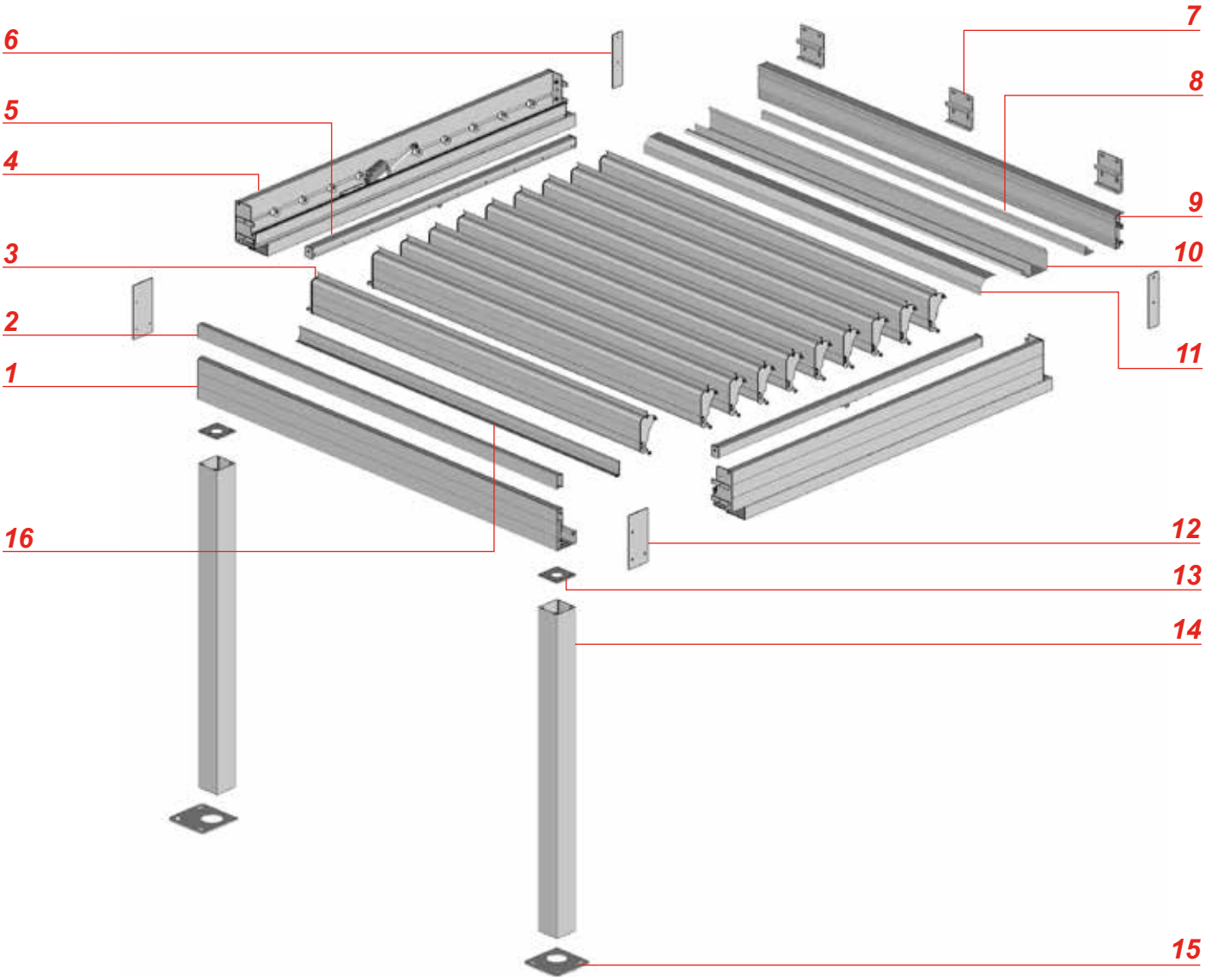
rEPoS

On	OFF
La couverture de la pergola revient exactement à la position dans laquelle elle se trouvait avant l'intervention du capteur météorologique	La couverture de pergola reste en position d'alarme / sécurité jusqu'à une commande de l'utilisateur

4 AUTOMO BSO CLIM VER: FONCTION DE TEST

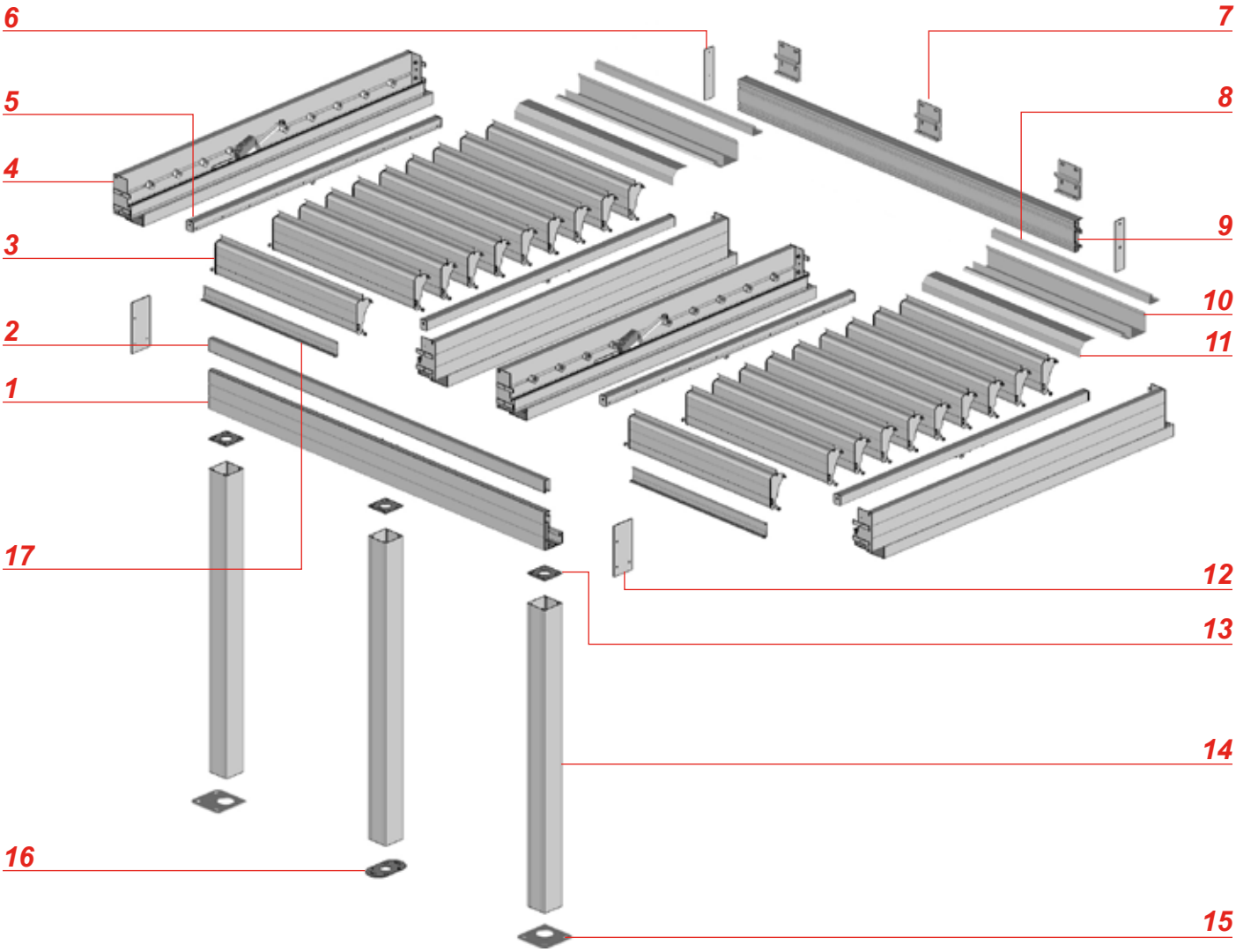
Pour vérifier la bonne communication entre le capteur météo et la centrale de commande, il suffit de transmettre avec le bouton jaune du capteur et d'attendre la réponse de la centrale de commande, qui émettra un signal acoustique une fois la transmission effectuée.
Si les moteurs bougent, ils s'arrêteront. NOTE: après vérification du capteur par transmission, les alarmes des conditions météorologiques sont réinitialisées au nouvel état météorologique imposé par le capteur; les compteurs de temporisation d'alarme sont réinitialisés. Il sera utile pour l'installateur, au moment de l'installation, de sortir de la condition d'alarme sans attendre le timeout de l'alarme

Vue éclatée simple travée



Repère	Références	Désignation
1	PBSO4503	Profil coffre avant
2	PBSO4702	Profil haut coffre avant
3	Voir section éclaté	Lames
4	Voir section éclaté	Chevron support de lames
5	Voir section éclaté	Profil de manœuvre
6	JBSO5202	Joue de finition profil mural
7	S27502	Support mural
8	PBSO4703	Profil de finition coffre mural
9	PBSO48	Profil mural
10	PBSO4003	Profil de recouvrement
11	AE9502	Profil capot du profil de recouvrement
12	JBSO4506	Joue de finition coffre avant
13	ST47	Platine raccord coffre avant
14	PA34	Profil poteau
15	ST4502	Platine de fixation 90° au sol
16	PBSO47	Profil de finition coffre avant

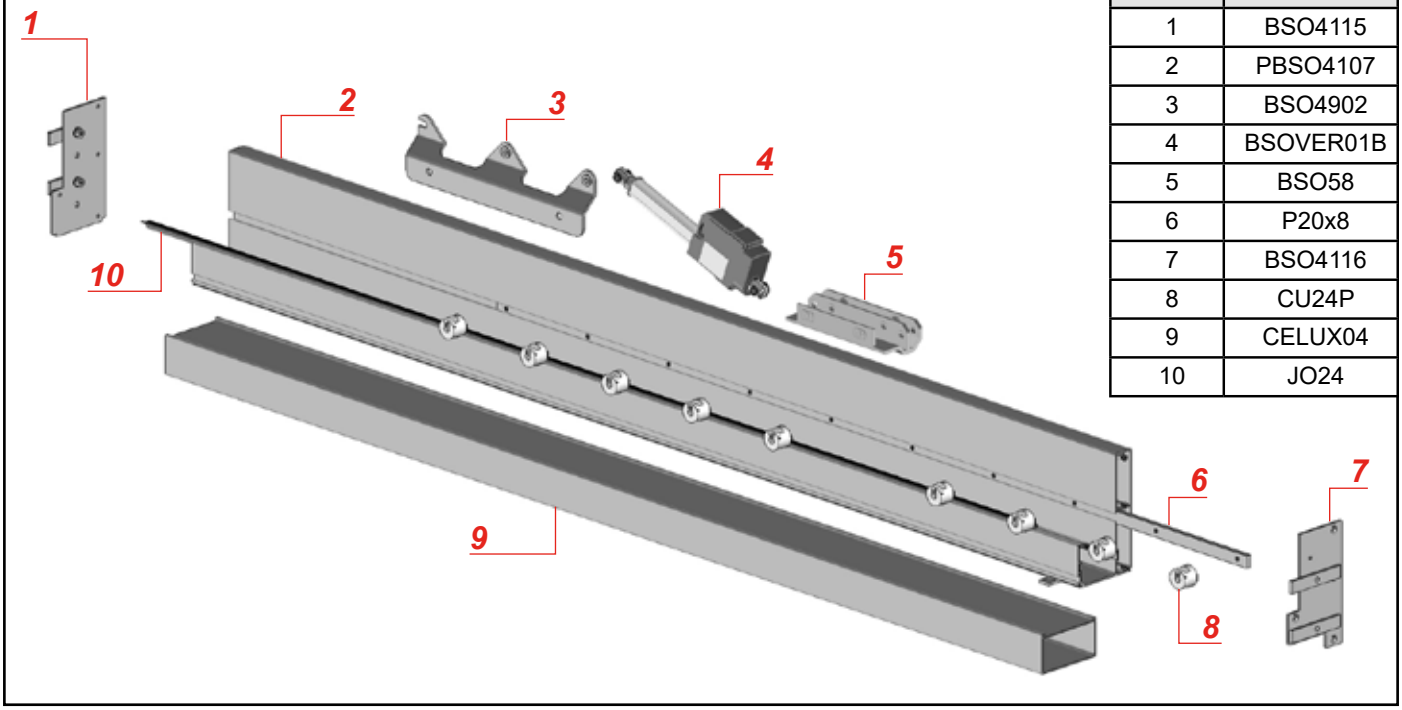
Vue éclatée double travée



Repère	Références	Désignation
1	PBSO4503	Profil coffre avant
2	PBSO4702	Profil haut coffre avant
3	Voir section éclaté	Lames
4	Voir section éclaté	Chevron support de lame
5	Voir section éclaté	Profil de manœuvre
6	JBSO5202	Joue de finition profil mural
7	S27502	Support mural
8	PBSO4703	Profil de finition coffre mural
9	PBSO48	Profil mural
10	PBSO4003	Profil de recouvrement
11	AE9502	Profil capot du profil de recouvrement
12	JBSO4506	Joue de finition coffre avant
13	ST47	Platine raccord coffre avant
14	PA34	Profil poteau
15	ST4502	Platine de fixation 90° au sol
16	ST45	Platine de fixation 180° au sol
17	PBSO47	Profil de finition coffre avant

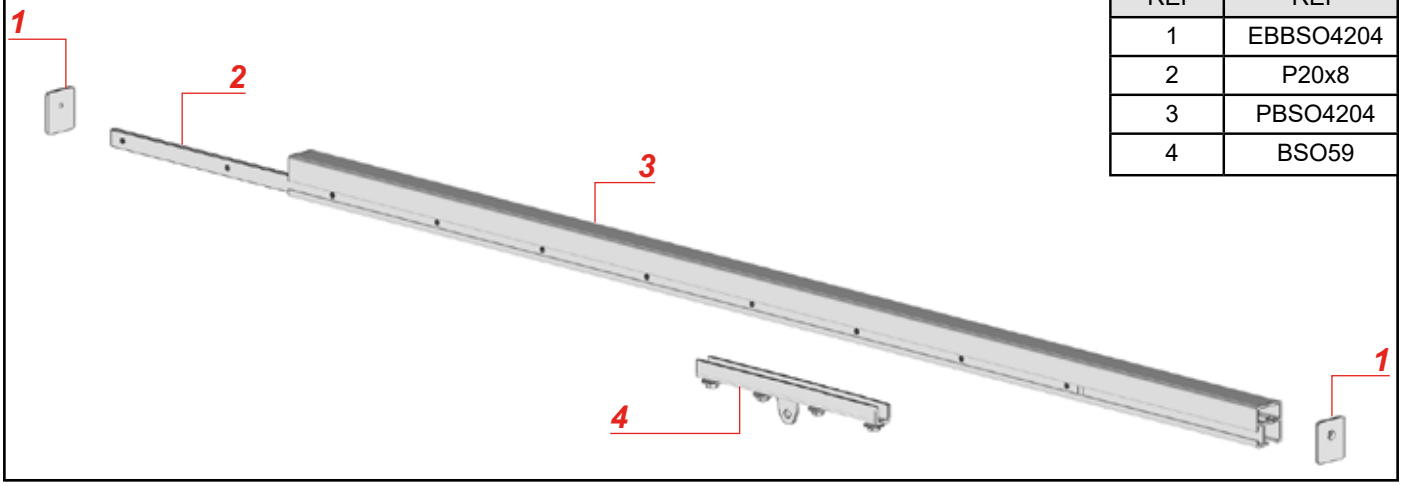
Sections éclatées

Chevron support de lame.



REP	REF
1	BSO4115
2	PBSO4107
3	BSO4902
4	BSOVER01B
5	BSO58
6	P20x8
7	BSO4116
8	CU24P
9	CELUX04
10	JO24

Profils de manœuvre.



REP	REF
1	EBBSO4204
2	P20x8
3	PBSO4204
4	BSO59

Lames orientables

REP	REF
1	EBBSO4310
2	PBSO4306

MISE EN GARDE

- Ne jamais utiliser le produit avant sa fixation complète. Avant utiliser le produit, vous devez être sûr que tous les éléments ont été installés et serrés de façon correcte.
- Vérifier la planéité de votre mur ou sol. Dans le cas d'un mur ou sol creux ou bombé, effectuer un calage des supports ou des platines afin de les aligner correctement. Un mauvais alignement peut entraîner un mauvais fonctionnement, la casse et ou la chute du produit.
- Ne pas faire fonctionner le produit lorsque des opérations d'entretien, telle que le nettoyage des vitres, sont en cours. Déconnecter la pergola de l'alimentation électrique lorsque des opérations d'entretien sont en cours.
- Ne pas laisser les enfants jouer avec les dispositifs de commande. Mettre les dispositifs de télécommande hors de portée des enfants. Surveillez vos enfants afin de vous assurer que ceux-ci ne jouent pas avec le store ou la télécommande.
- Faites attention à vos doigts lors de l'installation et lors de la manœuvre des lames.
- Aucune modification de conception ou de configuration de l'équipement ne doit être effectuée sans consultation préalable du fabricant.
- N'utilisez jamais d'accessoires non recommandés par le fabricant. Ceux-ci pourraient en effet créer des risques pour l'utilisateur et endommager le produit. N'utilisez que des pièces et accessoires d'origines.
- En cas de stockage du produit ce dernier doit être stocké à sous un abris en milieu sec non humide.
- N'utilisez pas le produit dans des endroits soumis à des vibrations ou impulsions.
- Utilisez les fixations adaptées en fonction du matériau de votre façade et votre sol. Demandez conseil à un spécialiste. La quincaillerie de fixation n'est pas fournie.
- Ne pas déballer le store à l'aide d'un outil pouvant le rayer.

UTILISATION DU PRODUIT :

- Fermer les lames les jours de pluie afin de protéger votre terrasse et votre mobilier.
- N'utilisez jamais le produit si ce dernier est endommagé.
- Utilisez seulement ce produit en fonction de l'utilisation prévue.
- Nous déclinons toute responsabilité en cas de dommage lié à une utilisation incorrecte ou au non-respect des instructions.
- N'accrochez rien sur l'armature du produit. Il pourrait tomber et causer des dommages matériels et/ou des blessures corporelles.
- Ne pas se suspendre à l'armature du produit. Il pourrait tomber et causer des dommages matériels et/ou des blessures corporelles.
- Assurez-vous de la propreté du tablier des lames avant son ouverture et fermeture.
- Assurez-vous que aucun corps étranger à la structure ne puisse détériorer ce dernier lors de l'ouverture ou la fermeture des lames.
- Ne jamais mettre ses mains ou tout membres du corps entre les lames ou entre les lames et cadre du produit lors de la manœuvre de ces dernières.
- N'installez pas de barbecue sous le produit et n'allumez pas de feu à proximité.

RÉPARATION ET ENTRETIEN :

- Ne jamais essayer de démonter ou de réparer le produit sans les qualifications requises. Faites appel à un professionnel afin de réaliser les réparations nécessaires.
- Ne pas utiliser le produit si une réparation est nécessaire.
- Vérifier fréquemment au court de l'année l'installation pour déceler tout mauvais équilibrage ou tous signes d'usure des pièces.
- Vérifier fréquemment au court de l'année les fixations murales ou au sol du produit, les vis de serrage des cadres, des joues de renfort, des lames et tout autres éléments.
- Nettoyer l'armature en début et fin de saison. Attention ne pas utiliser de produit détergeant.
- Retirer fréquemment les éléments extérieurs à la structure présents sur les lames, dans les chevrons et dans le coffre avant (feuille d'arbre, sable etc...) afin que l'évacuation des eaux soit toujours optimale. Un mauvais entretien engendre un débordement de l'eau des éléments de la structure et ou une casse des vérins.

PARTIE ÉLECTRIQUE :

- Avant toutes manipulations assurez vous que le courant électrique soit coupé. Danger d' électrocution.
- Si le câble d'alimentation est endommagé, il doit être remplacé par une personne qualifiée (SAV ou électricien) afin d'éviter un danger. Le câble d'alimentation de cette motorisation ne peut être remplacé que par le même type de câble (même section des fils et même indice de protection).
- La motorisation est destinée à être installée à une hauteur d'au moins 2,5 m du sol ou de tout autre niveau d'accès.
- Le raccordement des fils électriques doit être fait conformément aux normes électriques en vigueur en France (norme NF C 15100). En cas de doute, contacter un électricien agréé.
- Avant de raccorder le store à une source d'alimentation, vérifiez que la tension de cette source d'alimentation et la tension nominale correspondent aux spécifications d'alimentation présent sur la notice.
- Ne pas mouiller le boîtier d' automatisme. L'automatisme doit être positionné à l' abris des intempéries.

Ne pas laisser jouer les enfant avec le boîtier d' automatisme.

Danger d'explosion ! Ne JAMAIS incinérer, court-circuiter, désassembler, charger, ou tenter de réactiver les piles.

N'exposez pas les piles à des températures extrêmes. Ne posez pas la télécommande sur un radiateur. Les fuites d'acide de pile peuvent causer des dommages.

Remplacez les piles usagées par des piles de même type uniquement.

Attention ! Danger d'explosion ! N'insérez jamais de piles dans le sens inverse.

En cas de fuite, retirez-les du compartimente à piles à l'aide d'un chiffon.

Mettez vos piles au rebut conformément aux réglementations en vigueur. En cas de fuite d'acide de la pile, évitez tout contact avec la peau, les yeux et les muqueuses. Rincez immédiatement les zones touchées après le contact avec l'acide et rincez abondamment à l'eau. Consultez un médecin.

Avaler des piles peut être fatal. Maintenez les piles hors de portée des enfants et des animaux de compagnie. Consultez immédiatement un médecin lors de l'ingestion d'une pile.

Retirez les piles épuisées de la télécommande. Retirez les piles de la télécommande lorsque vous ne l'utiliserez pas pendant une période prolongée.

Le nombre de cycles assigné ne doit pas être dépassé.