ALUPROF
SUN SHADING SOLUTIONS

Madeira awning installation instructions

Supplier:
Plant name:

Address:

Manufacturer:
ALUPROF SA

Address:
Opole plant:
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Product: Madeira awning
The product meets CE safety requirements.

Construction Products Contact Point
https://punkt-kontaktowy.gunb.gov.pl/

CONTENTS

Important safety instructions.

WARNING!
Compliance with this manual is essential for personal safety.
Keep this manual for reference.

Please read the user manual before using the product.
If the manual contains any unclear phrases or if you have any doubts regarding its interpretation, we recommend that you contact the manufacturer before installing or using the awning.

1. INTRODUCTION

This document contains:

- basic information on the acceptance of deliveries and the storage of products,
- general safety requirements for work and installation,
- detailed awning installation instructions.

The methods of electrical installation and protection against electric shock are specified by applicable standards and regulations.

The instructions for use and maintenance are provided in a separate manual.

The drawings included in the instructions are for illustrative purposes only and may differ in detail from the actual product.

1.1. Definitions

Developer - a natural or legal person who commissions or finances the installation of the patio awning, who is the owner of the property or acting on their behalf. The Investor is responsible for ensuring the conditions necessary for the installation to be carried out correctly, including access to the installation site and compliance with applicable building regulations.

Contractor - A natural or legal person carrying out the installation of the patio awning on behalf of the Investor, responsible for the correct execution of the work in accordance with the instructions, good building practice and applicable regulations.

2. PREPARATION FOR ASSEMBLY

2.1. Acceptance of delivery

Structural components and accessories are packed at the manufacturing plant in cardboard boxes to protect the product's surface from damage during transport and storage on site.
The packaging should include information on the range and quantity of components in each package, enabling quick identification of the products and quantity checks.
Due to the dimensions and weight of the structural elements, unloading should be carried out by at least two people.
Before starting assembly, you must:

- Check that the load is correctly secured on the means of transport before unloading,
- Check that the delivery is complete and that the required documentation is present.
- Draw up a report on the quality and quantity of the delivery, and report any non-conformities to the driver, supplier or site manager responsible for installation,
- Secure the deliveries, store them correctly, and then transport them to the site designated for installation.
- Assess the correctness of the construction site preparation for installation works.

2.2. Storage of structures on the construction site

If the product is not installed immediately upon delivery, the following storage guidelines must be observed on the building site:

- During storage, transport and transfer to the final assembly site, the product should be kept in its original factory cardboard packaging.
- Products for transport/storage should be positioned in accordance with the arrows on the packaging.
- Store structural components and other items in the delivery in their original packaging,
- Avoid stacking, protect packaging from crushing,
- Do not place other objects on top of the packaging.
- store accessories and other installation materials in rooms at a positive temperature, between 5°C and 30°C, in dry and well-ventilated areas,
- Do not expose stored products to direct exposure to heaters or other heat emitters, or to high levels of sunlight.
- Observe health and safety regulations when unloading and moving delivery items, in particular those concerning the permissible load per person (25 kg/person).

3. GENERAL SAFETY REQUIREMENTS FOR INSTALLATION

3.1. Inspection of the installation site

Before starting the installation, you must:

- assess the feasibility of fixing the product to a substrate or substructure with parameters ensuring stability and safety; the use of an installation method other than that suggested by ALUPROF S.A. is permissible provided that safety requirements and good building practice are observed; in such cases, liability and risk shall be borne by the Client or the Contractor,
- If dimensional discrepancies are found, installation work must be suspended until the defects have been rectified.
- remove from the installation site any objects, materials and obstacles that could hinder the handling of the product's components or pose a hazard to the installation team,
- select anchoring elements depending on the substrate material – it is recommended to consult a qualified designer in this regard.
- carry out a detailed inspection of the installation site to check the routing of concealed installations (in particular electrical ones), in order to prevent their accidental damage whilst anchoring the structure.

3.2. Safety requirements for installation at height

Due to the dimensions of the product structure, it may be necessary to carry out work under special conditions. Work carried out at a height of more than 1.0 m (and in particular more than 2.0 m) above ground or floor level is classified as work at height. It poses a risk of accidents, in particular falls, and therefore requires the use of certified scaffolding and personal protective equipment.

The Contractor is obliged to draw up a health and safety plan (BIOZ) for the duration of the installation, to ensure direct supervision of the work and to provide on-the-job training for staff. Furthermore, the Contractor must provide appropriate fall protection equipment or ensure that the site manager has such equipment. It is recommended that the installation site be clearly cordoned off and signposted for the entire duration of the works.

Fitters must hold valid medical certificates authorising them to work at heights. The installation site should be prepared in such a way as to minimise the need for workers to lean over the scaffolding guardrails. Work at heights above 2 m requiring the use of personal protective equipment must be carried out by at least two people to ensure mutual safety.

3.3. Safety when working with power tools

When installing the product, use only power tools that are in good working order and have valid certificates.

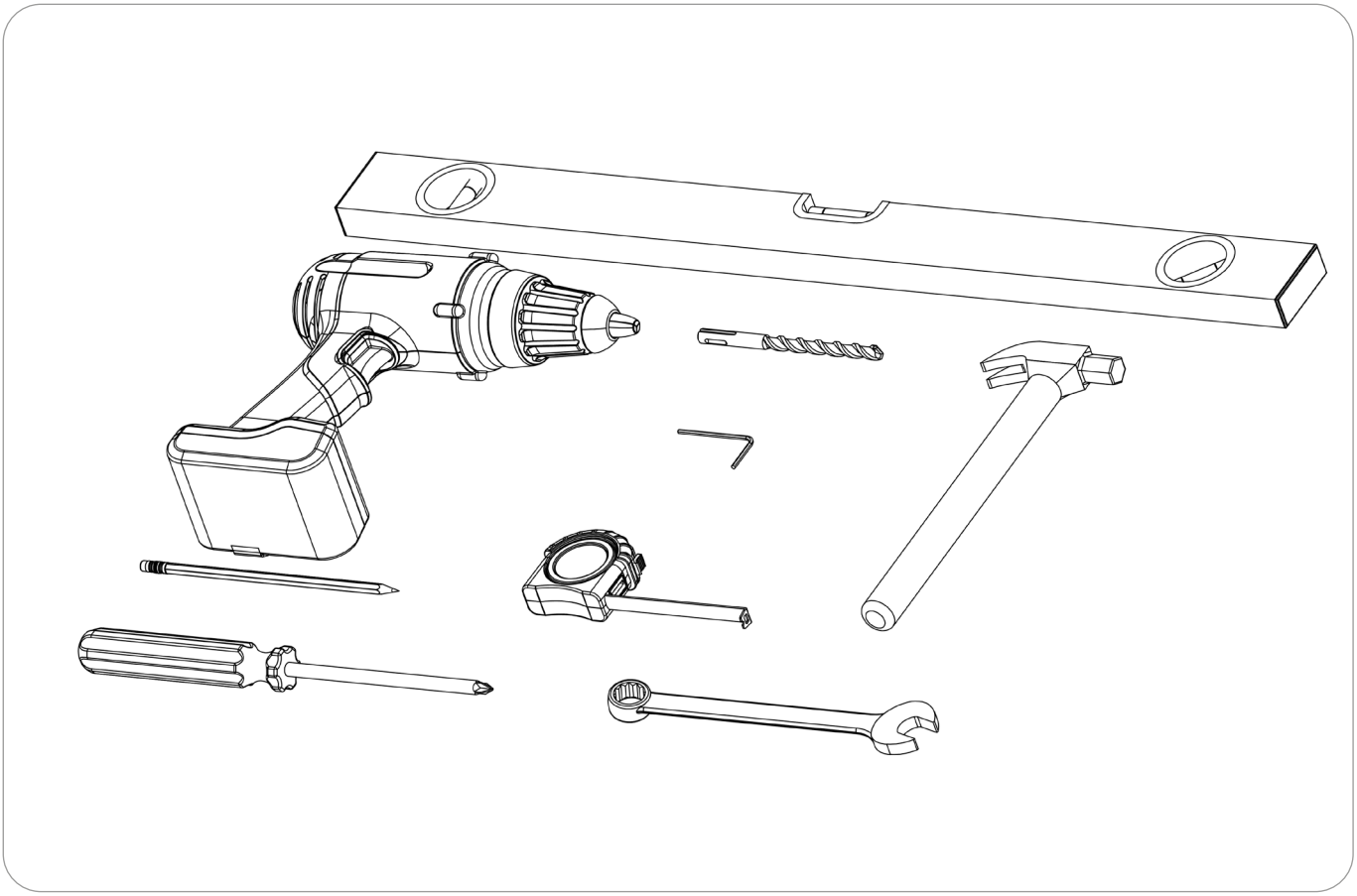
The following rules must be observed:

- Check the condition of the tool housing, power cables and plugs before starting work; it is prohibited to use tools with visible damage to the insulation,
- use cordless tools or those powered via residual current devices (RCDs), due to the increased risk of electric shock in the event of a short circuit,
- It is prohibited to use mains-powered power tools during precipitation and in high humidity conditions, unless the tool has an appropriate ingress protection (IP) rating that allows for such conditions.
- Run power cables in such a way as to prevent them from being accidentally cut, tripped over or damaged by moving parts of the scaffolding,
- When drilling or cutting aluminium components, always wear safety goggles to prevent damage to your eyesight from metal filings.
- If the work generates noise exceeding 85 dB, hearing protection must be used.

3.4. General safety requirements

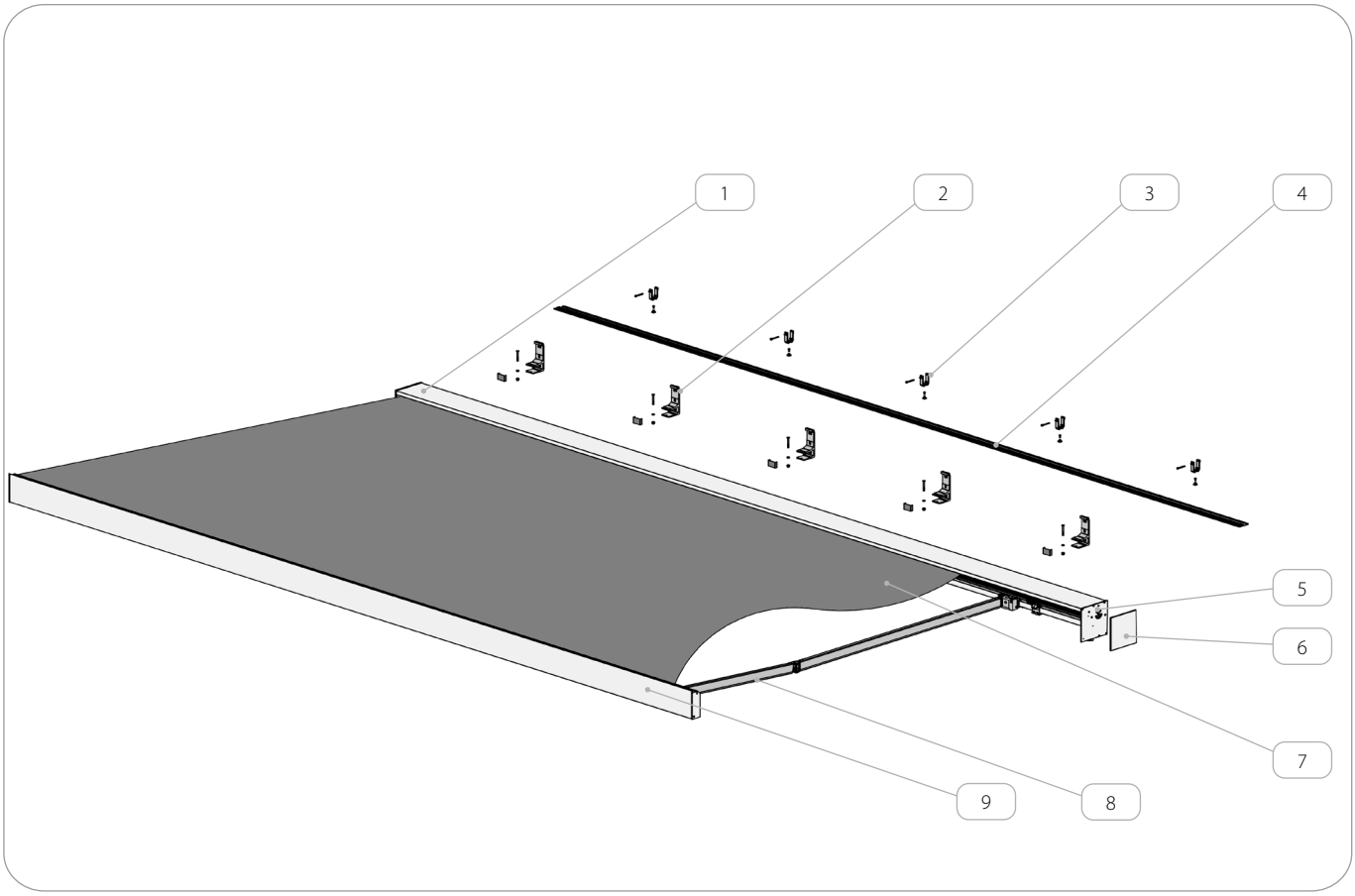
• To ensure safety during the installation of the awning, a minimum of two people must be present. Working with a smaller team risks compromising the stability of the structural components and could lead to an accident.
• It is prohibited to carry out assembly work (especially at height and with large components) during strong winds, precipitation or icy conditions. Wind can cause uncontrolled movement of profiles, posing a direct threat to life and health.
• The product must be protected against construction debris (mortar, assembly foam, silicone).
• After drilling, immediately remove all metal filings from the surface of the structure. Leaving filings (e.g. from steel drill bits) will lead to contact corrosion and permanent damage to the paint coating.
• If it is necessary to use chemicals (adhesives, sealants, chemical anchors), strictly follow the safety data sheets and manufacturers' recommendations regarding operating temperatures and respiratory and skin protection measures.
• Improper installation, the use of incompatible fasteners or unauthorised modifications to the structure may lead to situations that are hazardous to the user, for which the Manufacturer shall not be held liable.

4. INSTALLATION TOOLS



5. PRE-ASSEMBLY WORK

5.1. List of components



	Name of the component
1.	Cassette assembly
2.	Mounting handle
3.	Cover plate bracket
4.	Cover
5.	End cap
6.	Side cover
7.	Fabrics
8	Awning arm
9	Front beam

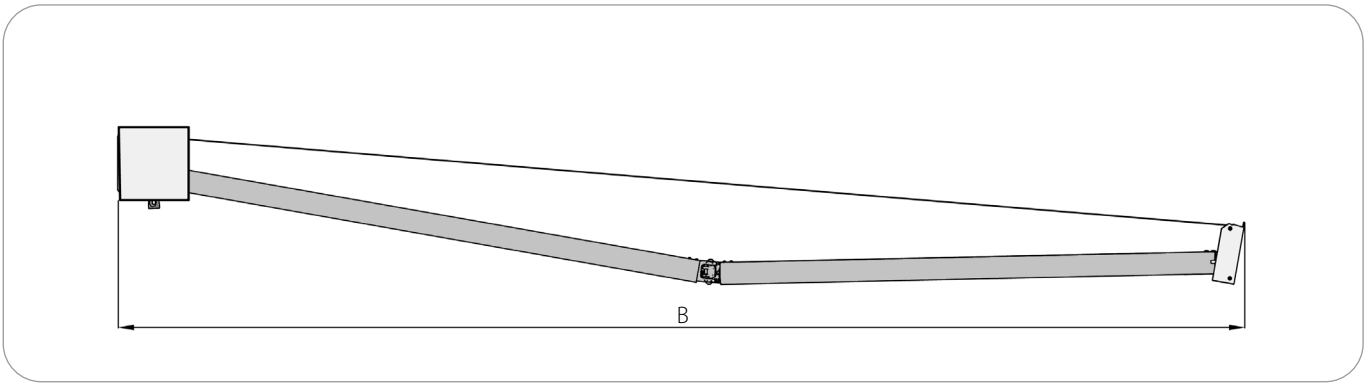
ⓘ Before installation, the goods must be unpacked and checked for both quantity and quality.

⚠ **Do not remove the safety straps from the arms!**

5.2. Dimensioning

Where:

A - AWNING WIDTH [mm]
B - AWNING PROJECTION [mm]



Maximum dimensions [mm]					
Awning width	6000				
Awning projection	1600	2100	2600	3100	3600

Check that the dimensions of the installation site are correct.

6. INSTALLATION DIAGRAM

6.1. Fixing products

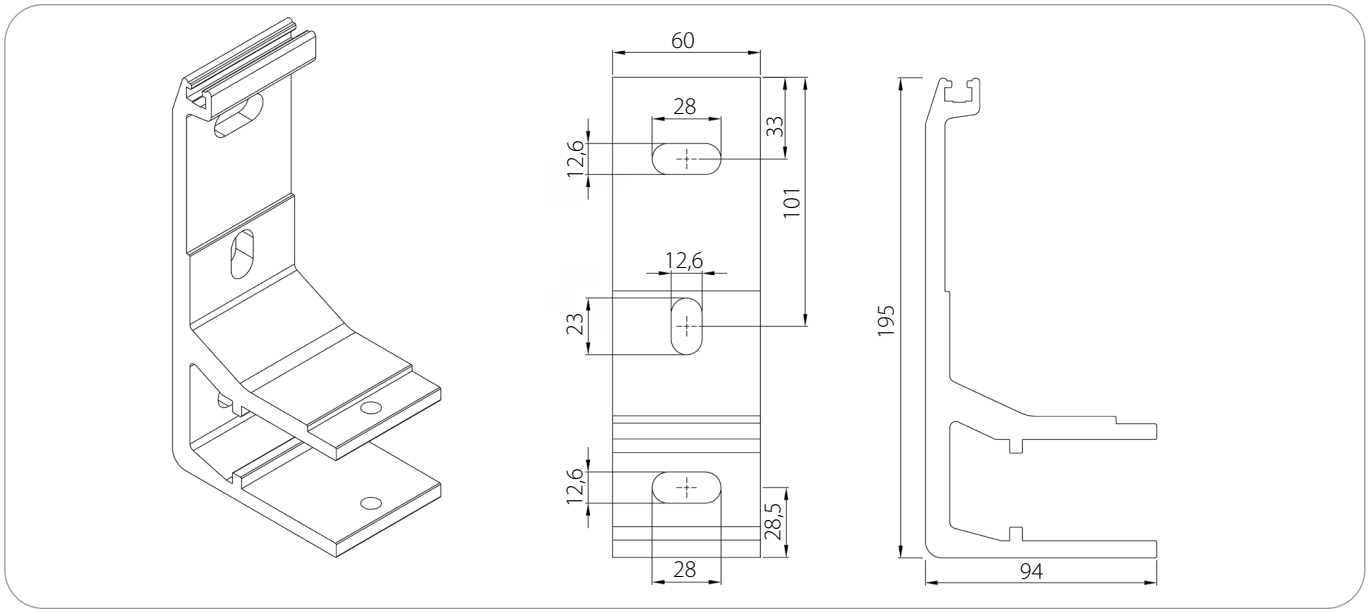
ALUPROF recommends using Fischer fixing products – selected according to the type of substrate.
Recommended products for selected substrates:

a) For uncracked concrete of class C20/25 and no higher than C50/60:
- M10x110 A4 anchors set in injection mortar (Fischer FIS A M10x110 A4 anchors with FIS V resin or an equivalent product from another manufacturer are recommended),
- Embedding depth in concrete: 80 mm,
- Minimum distance between the anchor centreline and the edge of the substrate: min. 45 mm for M10 anchors,
- Minimum substrate thickness: 150 mm for M10 anchors.

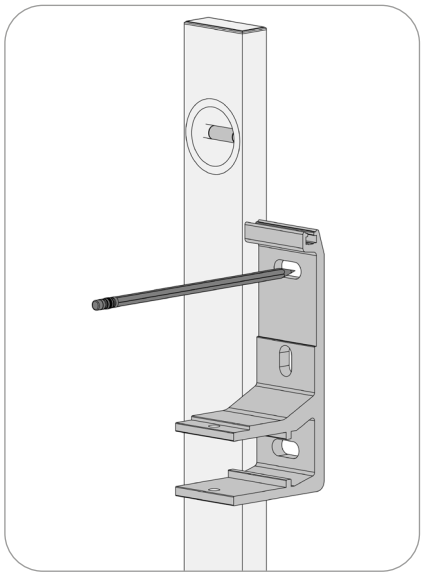
b) For a Porotherm wall with insulation up to 150 mm:
- Thermax 16/170 M12 anchors with a 20x200 mesh sleeve, set in injection mortar (Fischer FIS V resin).

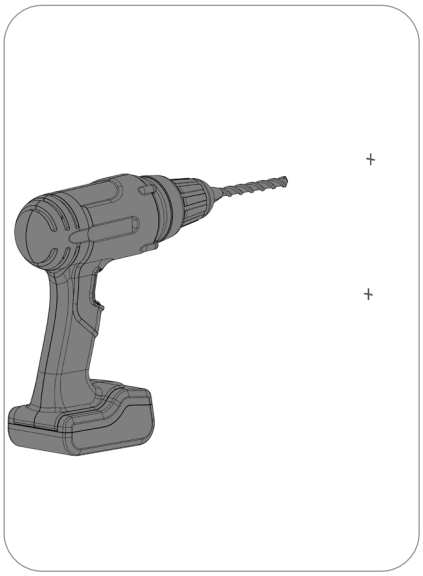
c) For solid brick or concrete walls with insulation up to 150 mm:
- Thermax 16/170 M12 anchors set in injection mortar (Fischer FIS V resin).

6.2. Installation of wall brackets

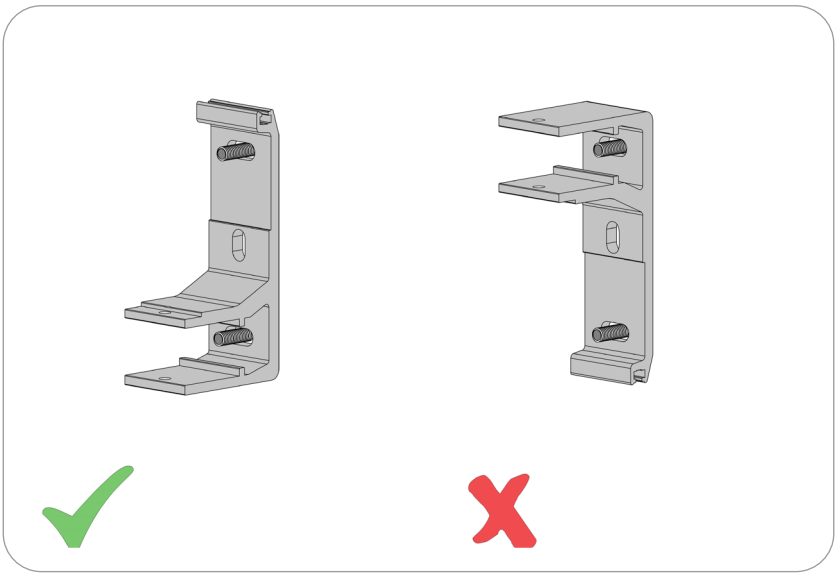


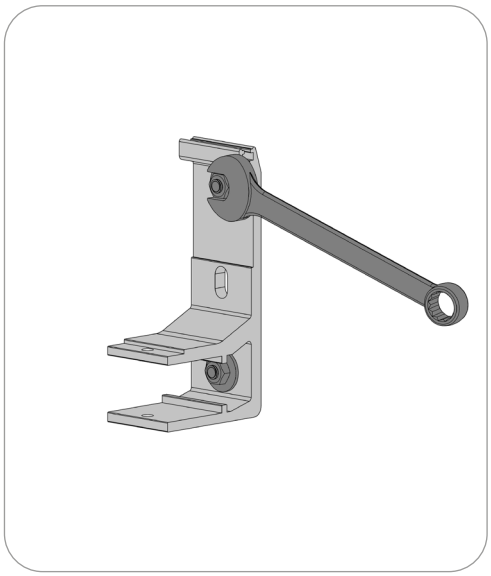
a) Begin installation by marking the positions for fixing the wall brackets to the wall. Use a spirit level to mark a vertical line on the wall, then place the wall bracket against the wall and mark the fixing holes. Pre-drill the holes and fix the mounting anchors.





⚠ Screw the bracket into position as shown in the diagram, using the top and bottom holes. Follow the anchor manufacturer's guidelines regarding required spacing, preparation and installation method.



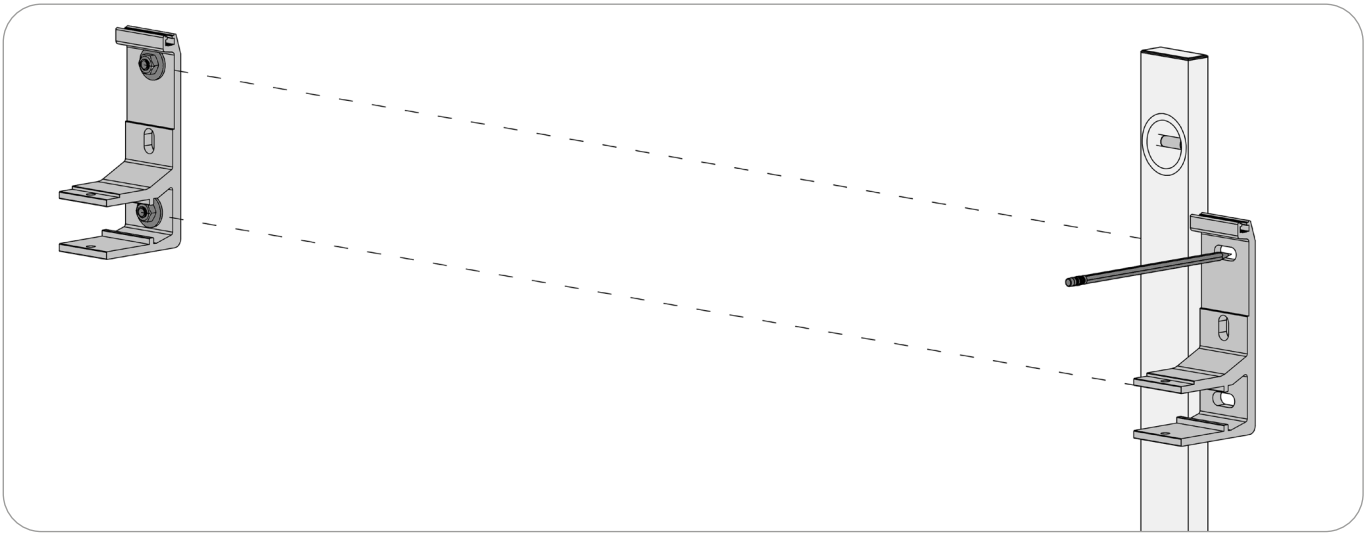


Awning width	2050-3500	3501-4700	4701-5900	5901-6000
Number of brackets	2	3	4	5

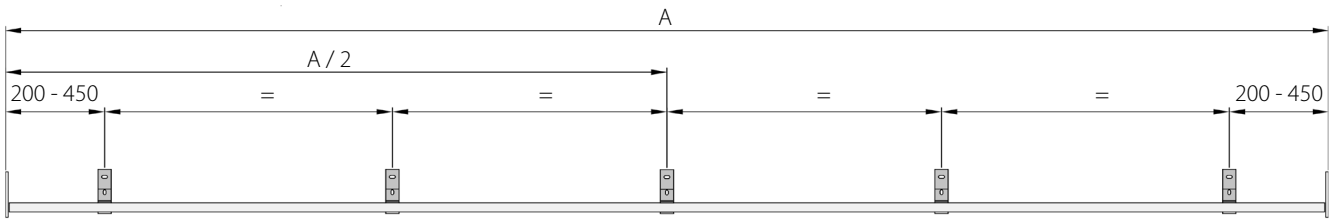
ⓘ Check the number of brackets supplied with the awning.

△ It is recommended that the end wall brackets be fitted at a distance of between 200 mm and 450 mm from the ends of the awning, with the remaining brackets spaced at equal intervals.

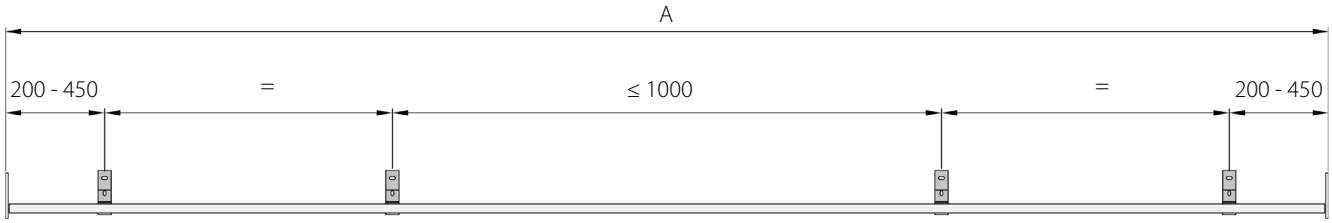
b) Using a fixed wall bracket (base) as a reference, mark out the positions for the remaining wall brackets – take particular care to ensure that the wall brackets are installed at the same level and in the same plane.



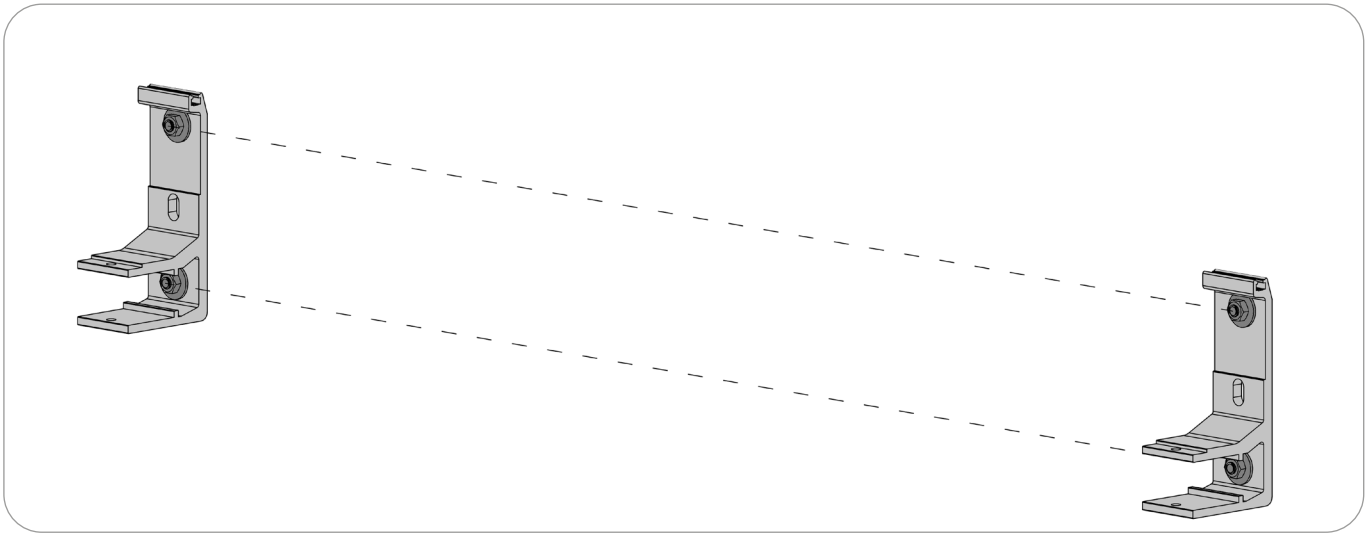
⚠ If an odd number of brackets is used, one bracket should be fitted at the centre point across the full width of the awning.



⚠ If an even number of brackets is used, the inner brackets should be fitted at equal intervals along the full width of the awning, whilst the distance between the centre brackets must not exceed 1000 mm.



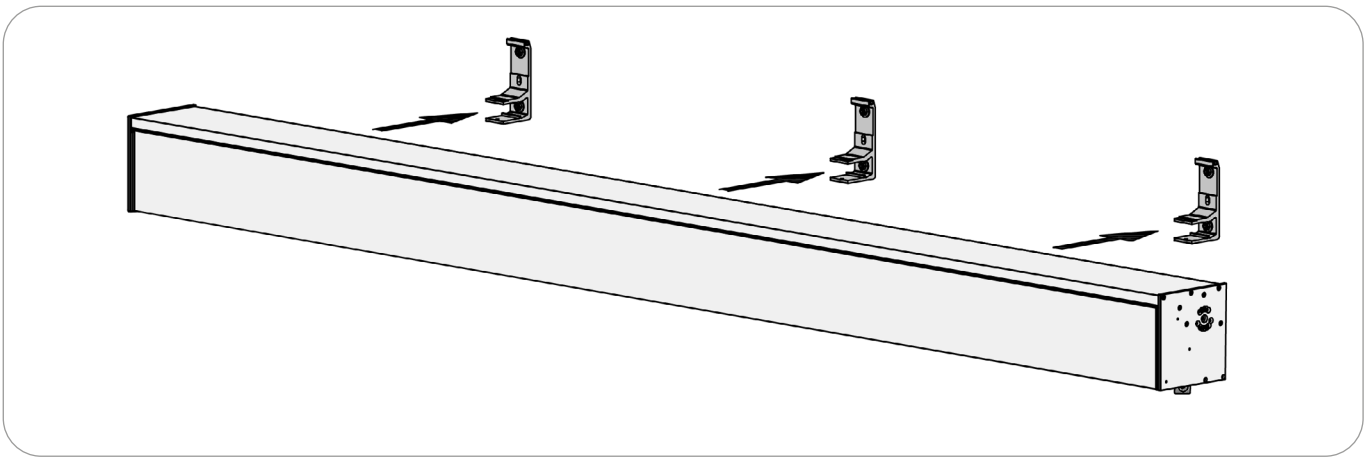
c) Screw the remaining brackets into place.



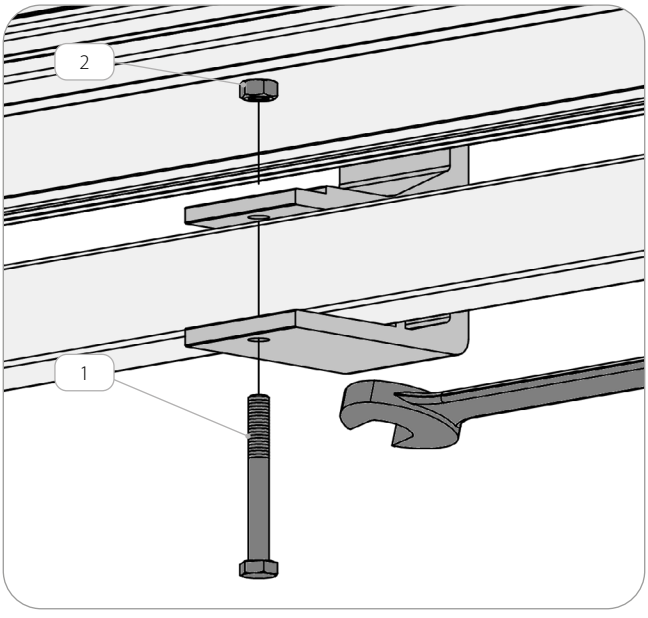
6.3. Installing the awning

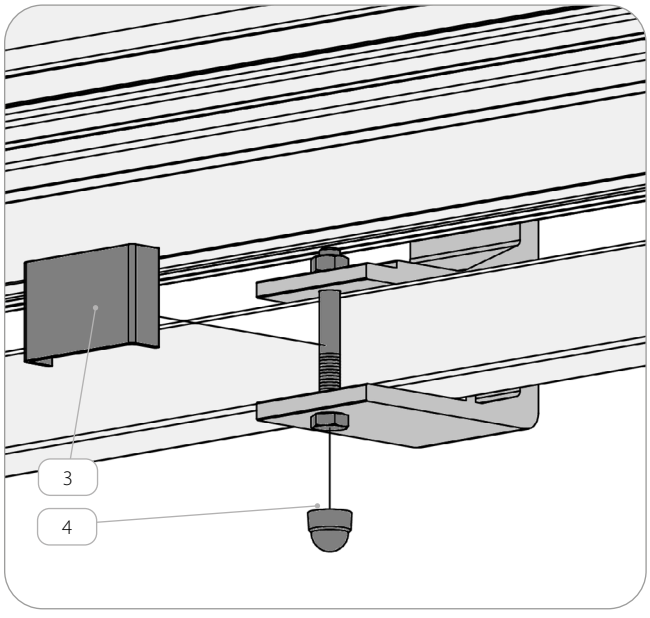
⚠ Before securing the awning, check that the wall brackets are in a straight line – the wall surface should be level at the fixing points.

a) Place the awning onto the wall brackets so that the awning structure (cassette) is pressed down as firmly as possible.

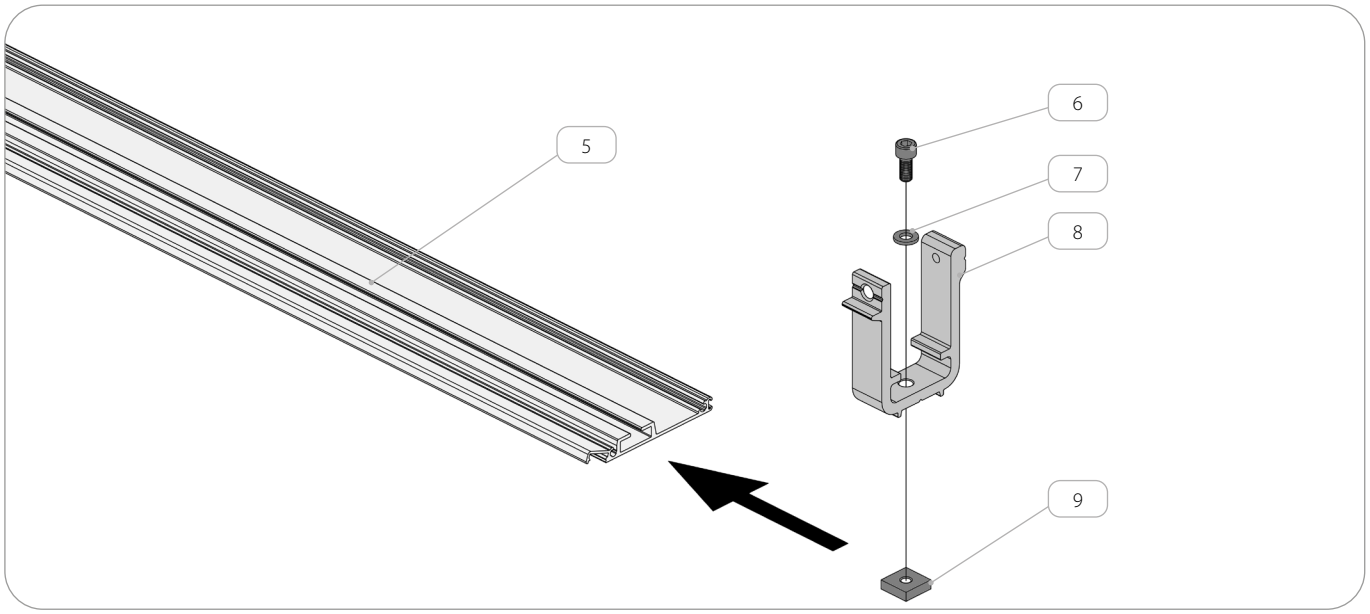


b) Secure all wall brackets with M8x65 bolts, then fit the bolt covers.

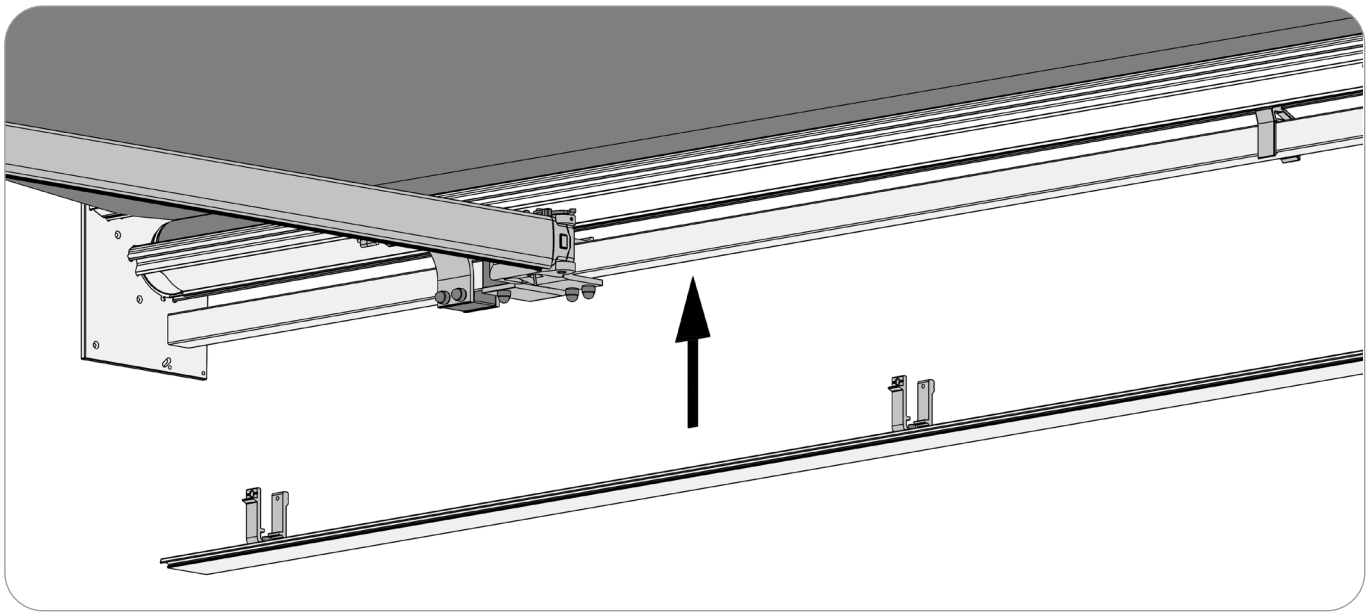




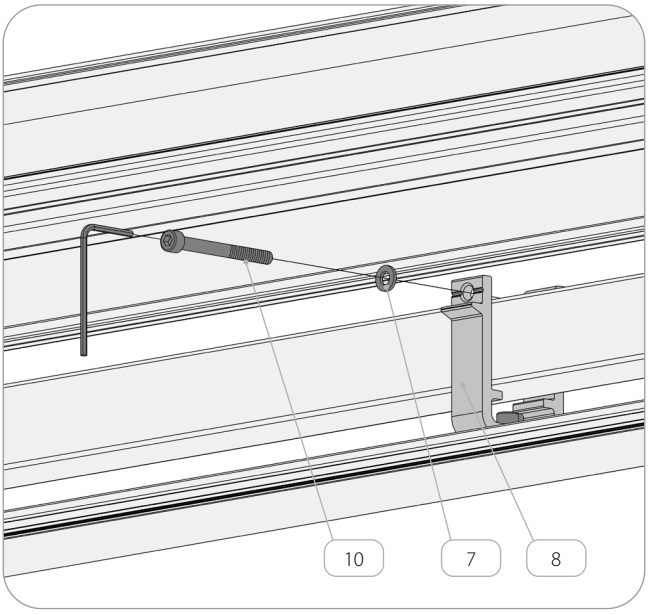
c) Insert the connector plate into the cover and secure it to the bracket with an M6x14 screw.

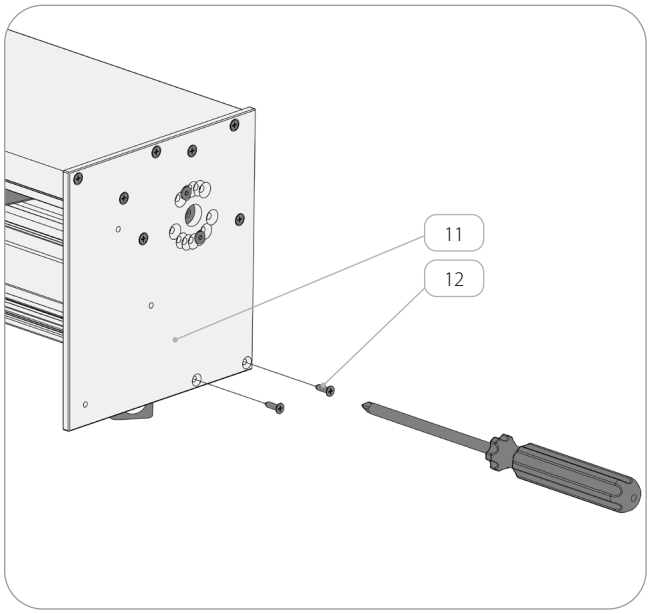


d) Place the cover with the brackets against the structural beam.

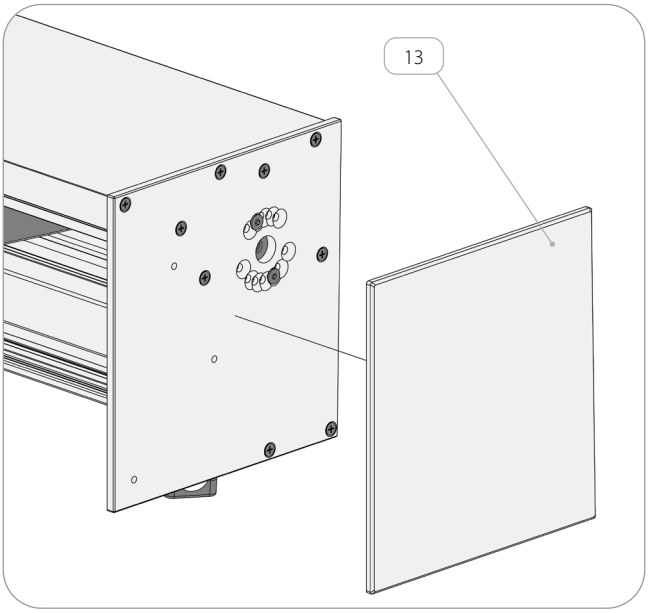


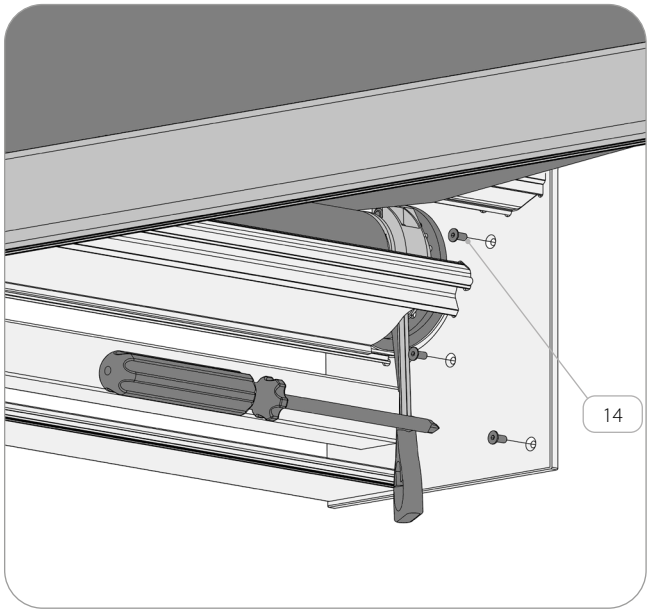
e) Secure the cover plate brackets with M6x60 bolts and screw the cover plate to the cassette's side covers using 4.8x19 screws.





f) Position the covers against the side panels and secure them with M5x12 screws from inside the cassette.



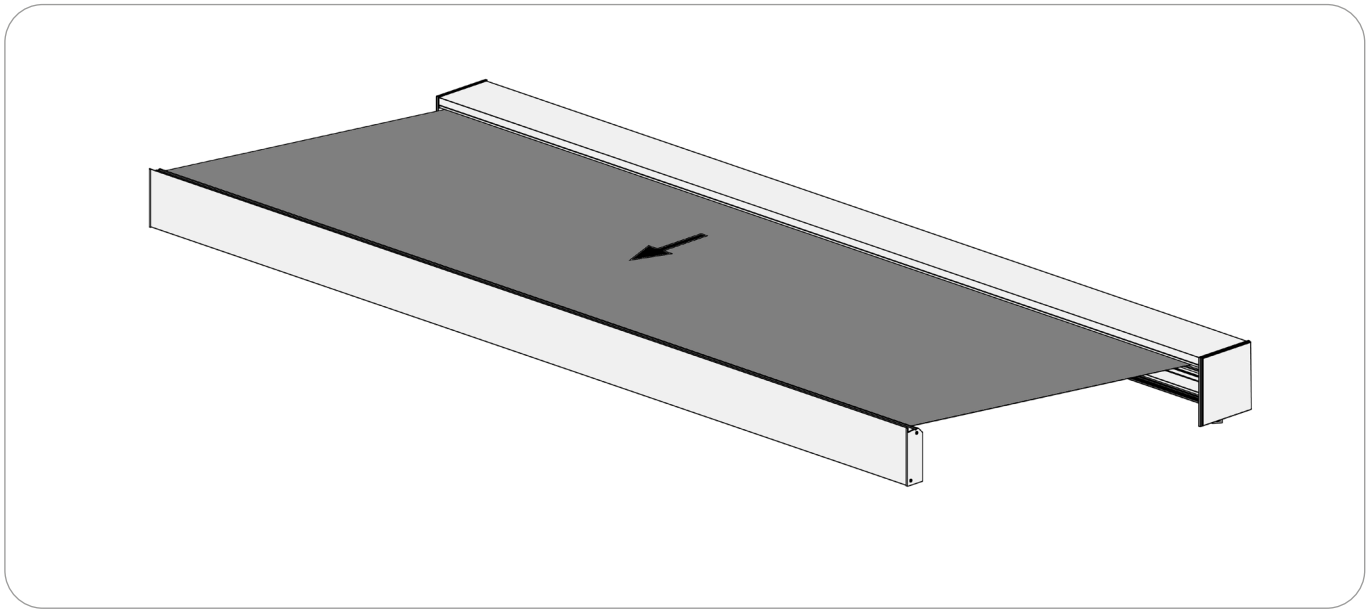


Name of the component			
1.	Screw M8x65	8.	Cover plate bracket
2.	Nut M8	9.	Connector plate
3.	Screw cover	10.	Screw M6x60
4.	Screw caps M8	11.	End cap
5.	Lower cover	12.	Screw 4,8x19
6.	Screw M6x14	13.	Side cover
7.	Washer M6	14	Screw M5x12

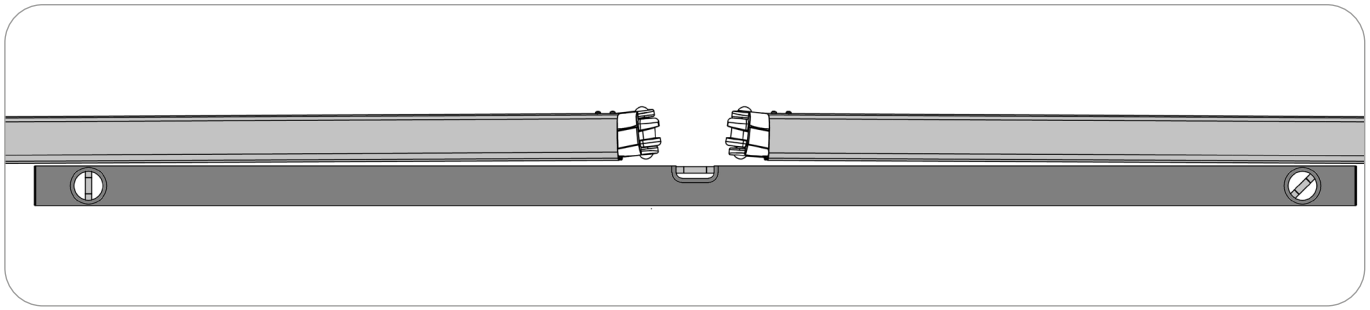
6.4. Adjusting the arm level

△ Before adjusting the level of the arms or changing the awning angle, the front beam must be relieved of load. It must be supported whilst carrying out the angle adjustment so that it does not place any load on the arms. Adjustment without support risks stripping the threads of the adjustment screws.

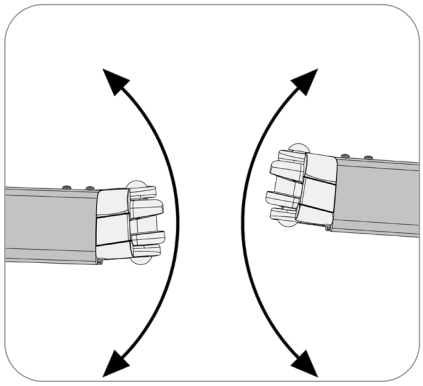
a) Remove the straps securing the arms and open the awning slightly.

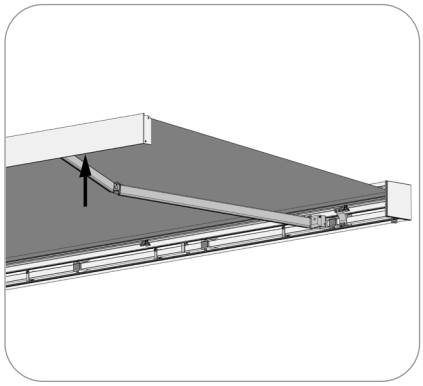


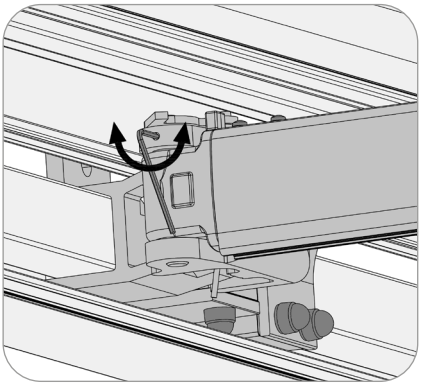
b) Use a spirit level to check that the arms lie in the same plane.



c) If necessary, adjust the level of the arms. Before adjustment, relieve the load on the arm by supporting the front beam. Then adjust the supported arm by loosening or tightening the arm brackets using a 2.5 mm Allen key. Once the support has been removed, check the level again.



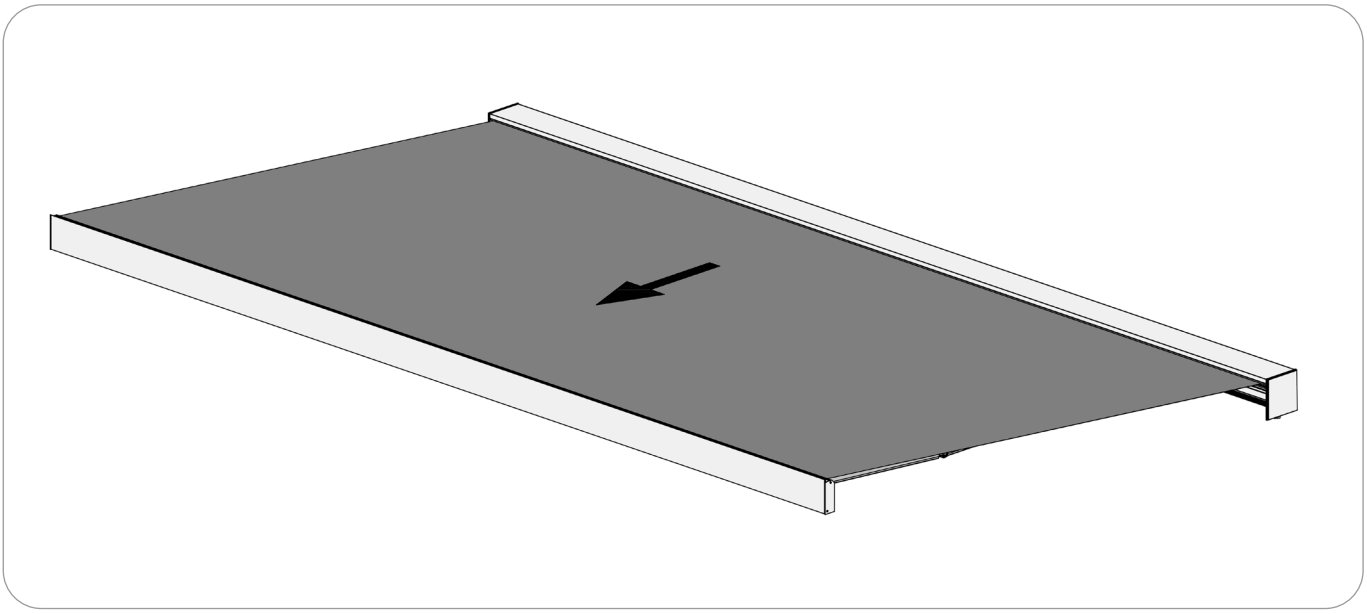




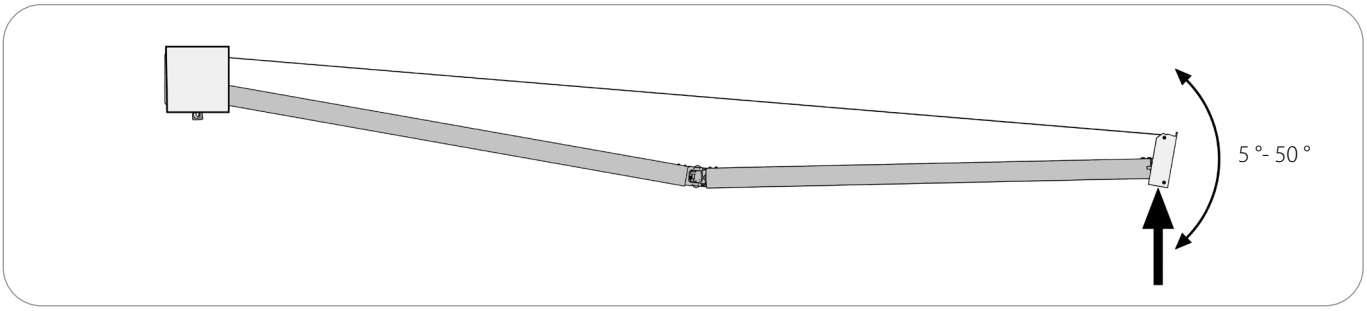
6.5. Adjusting the tilt angle

△ Before adjusting the level of the arms or changing the awning angle, the front beam must be relieved of load. It must be supported whilst carrying out the angle adjustment so that it does not place any load on the arms. Adjustment without support risks stripping the threads of the adjustment screws.

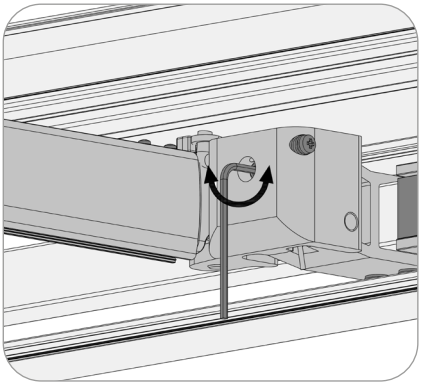
a) Open the awning fully

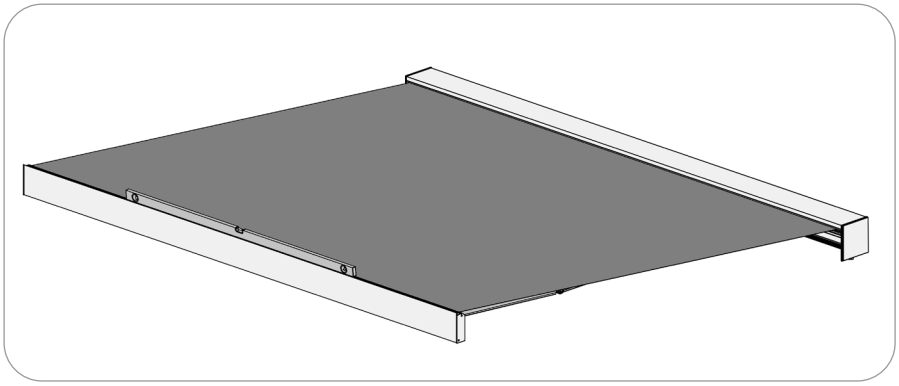


b) Support the front beam at the point of the arm being adjusted.



c) Using a 6 mm Allen key, alternately loosen (to increase the tilt angle) or tighten (to decrease the tilt angle) the adjustment screws on the arm brackets. Check that the front beam is level.





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Translation of the original instructions.
The operating and maintenance instructions, installation instructions and product manufacturing documentation together constitute the complete set of instructions and are available from the manufacturer.

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Madeira_m
We reserve the right to make technical changes.
Valid from 2026.08.21