

ASSEMBLY INSTRUCTIONS

CARPORT Made of aluminium

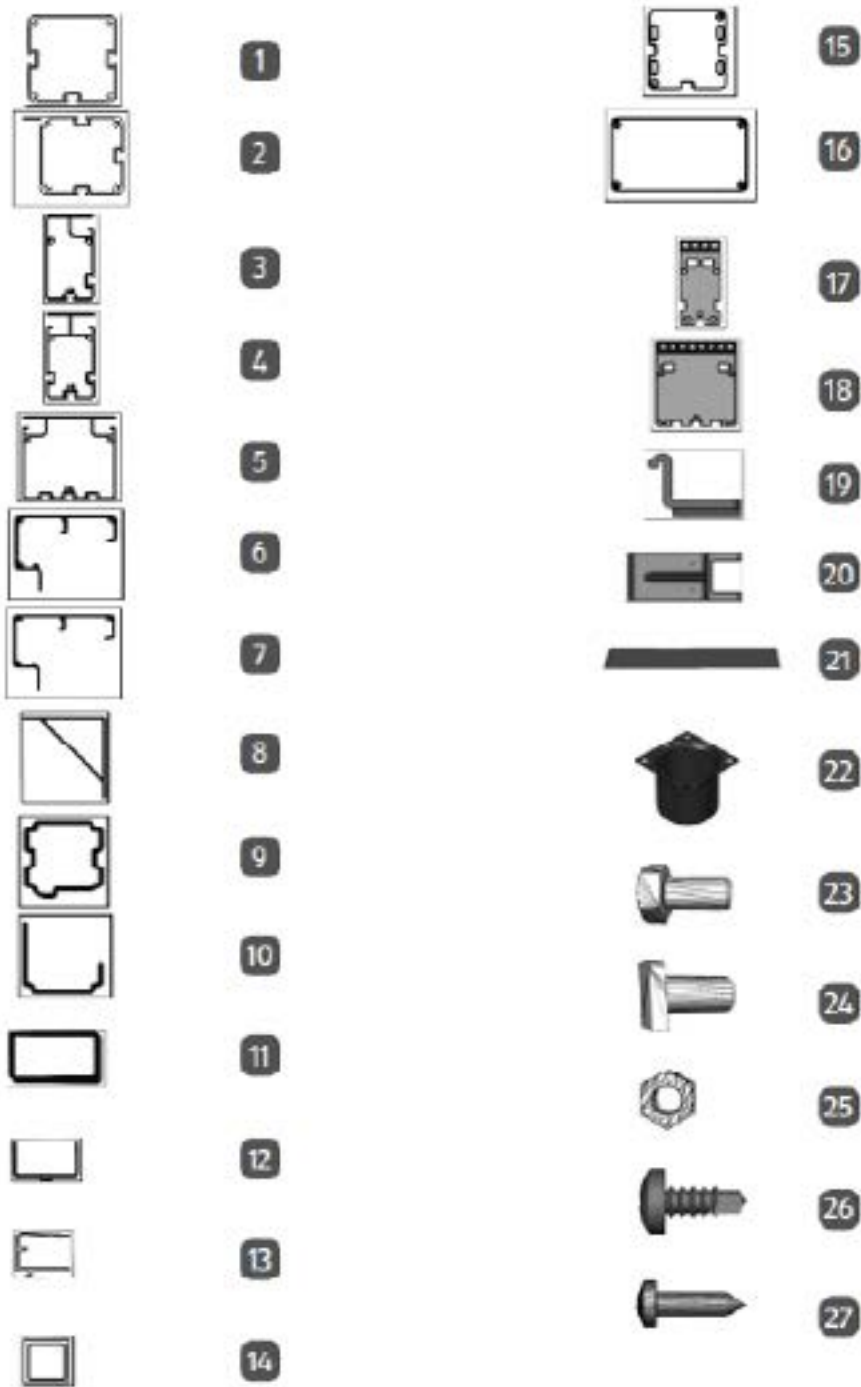


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Scope of delivery

A



Components

- | | |
|--|--|
| 1 Posts (2130 mm), 6× | 13 U-profile (570 mm), 16× |
| 2 Longitudinal beam (2617 mm), 4× | 14 Square profile (20×20 mm, 570 mm), 16× |
| 3 Outer cross beam (3000 mm), 2× | 15 Longitudinal beam cover cap, 4× |
| 4 Inner cross beam (3000 mm), 6× | 16 Rain gutter cover, 4× |
| 5 Coupling beam (3000 mm) | 17 Cross beam cover cap, 16× |
| 6 Left gutter half (2618 mm), 1× | 18 Coupling bracket cover cap, 2× |
| 7 Right gutter half (2618 mm), 1× | 19 Storm hooks, 28× |
| 8 Angle bracket, 18× | 20 Plastic support, 32× |
| 9 Longitudinal beam connector, 2× | 21 Double web plate (610×2980 mm), 8× |
| 10 Gutter connector, 200 mm, 2× | 22 Drain pipe, 2× |
| 11 Headband (500 mm), 14× | |
| 12 Headband holder (36 mm), 28× | |

Supplied connecting elements

- | | |
|---------------------------------------|---|
| 23 M6×12 mm screw, 92× | 26 4.8×13 mm sheet metal screw, 386× |
| 24 M6×12 mm rhombus screw, 28× | 27 4.2×22 mm sheet metal screw, 70× |
| 25 M6 nut, 120× Thread-forming | |

Required tools not included

- | | |
|--------------------------------|---|
| 28 Phillips screwdriver |  |
| 29 SW-10 spanner |  |
| 30 Cordless screwdriver |  |
| 31 Measuring tape |  |
| 32 Spirit level |  |
| 33 Ladder |  |

General

Read and keep the assembly instructions



These assembly instructions belong to this aluminium carport (hereinafter referred to as "product"). They contain important information on assembly and use.

Read the assembly instructions carefully, especially the safety instructions, before assembling and using the product. Failure to follow these assembly instructions may result in serious injury or damage to the product.

The assembly instructions are based on the standards and regulations applicable in the European Union. When abroad, also observe country-specific guidelines and laws.

Keep the assembly instructions for future reference. If you pass the product on to a third party, be sure to include these assembly instructions.

Intended use

The product is designed exclusively for parking cars. It is not suitable as a shelter for people or for storing highly flammable or combustible materials.

If a fire breaks out in the product, call the fire brigade immediately and ensure that there are no persons under the product.

The product is intended exclusively for outdoor use on private property. It is intended for private use only and is not intended for commercial use. The product is not a children's toy.

Please note that installation may be subject to building regulations. Before installation, check with your local building authority to find out if and how you are permitted to install the product. If you violate these regulations, your licence may be revoked. If you install the product without permission or violate building regulations, you may have to dismantle the product.

Only use the product as described in these assembly instructions. Any other use is considered improper and may result in property damage or even personal injury.

Read all safety instructions and directions. Failure to comply may result in serious injury.

The manufacturer or distributor accepts no liability for damage caused by improper or incorrect use.

Key

The following symbols and signal words are used in these assembly instructions, on the product or on the packaging.



This symbol provides useful additional information on assembly or use.

Safety

Explanation of notes



This signal symbol/word indicates a hazard with a medium degree of risk which, if not avoided, could result in death or serious injury.



This signal symbol/word indicates a hazard with a low degree of risk which, if not avoided, could result in minor or moderate injury.

NOTE!

This signal word warns of possible damage to property.

Safety instructions**Choking hazard!**

Small children may put individual assembly parts in their mouths and swallow them or get caught in the packaging film. In both cases, they may suffocate.

- Keep small children away from all assembly parts and the assembly site.
- Ensure that small children do not put small parts in their mouths.
- Do not allow children to play with the packaging material.

**Risk of injury!**

During assembly, there is a particular risk of injury to children and persons with reduced physical, sensory or mental capabilities. They may not be able to assess risks correctly.

- Keep children and persons with reduced physical, sensory or mental capabilities away from the product during assembly.
- Do not allow children or persons with reduced physical, sensory or mental capabilities to assemble, clean, maintain or repair the product.

**Risk of injury!**

When stepping onto the roof, you may break through the roof due to your weight.

- Do not walk on the roof! There is a risk of falling!

NOTE!**Risk of damage!**

Improper handling of the product may result in damage to the product.

- Close the door and window in windy or stormy weather.
- Clear snow and ice from the product. The roof is not designed to bear a snow load of more than 10 cm. Layer heights of 36 cm for dry snow, 10 cm for wet snow and 5.5 cm for ice correspond to a weight of approx. 50 kg/m². The roof is not accessible.
- Do not place heavy materials on the roof.
- Do not strike the multi-wall sheets with hard objects when temperatures are below freezing. This could cause them to break.
- Do not walk on the product if individual parts are cracked, broken or deformed. Replace damaged components only with suitable original spare parts.
- Do not group several carports together in one location.



- The manufacturer is not liable for damage caused by storms, wind, water or snow loads (we recommend clearing snow from the roof during the winter months). No guarantee is given for the replacement of consequential and financial losses.

Before assembly

Check the product and scope of delivery

NOTE!

Risk of damage!

If you open the packaging carelessly with a sharp knife or other pointed objects, the product can be damaged quickly.

- Proceed with great caution when opening.
- 1. Remove the individual parts of the product from the packaging.
- 2. Check that the delivery is complete (see **fig. A**).
- 3. Check whether the individual parts of the product are damaged. If this is the case, do not assemble or use the product. Contact the manufacturer at the service address indicated on the warranty card.

Determine installation location

NOTE!

Risk of damage!

Improper handling of the product may result in damage to the product.

- Place the product in an easily accessible location that is slightly sheltered from the wind.
- Only place the product in a suitable location.
- Only place the product on a level surface.
- Anchor the product to or in the surface.

Prepare the mounting

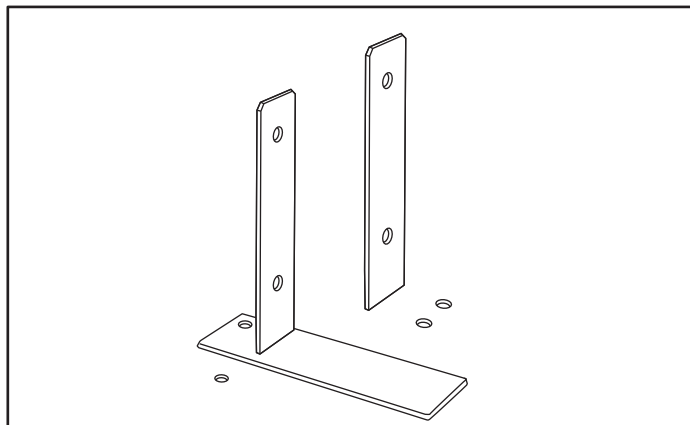
NOTE!

Risk of damage!

The product is made of lightweight aluminium and hollow web plates and is not heavy overall. Due to this and its size, it offers a large surface area for wind and storms and must be secured particularly well.

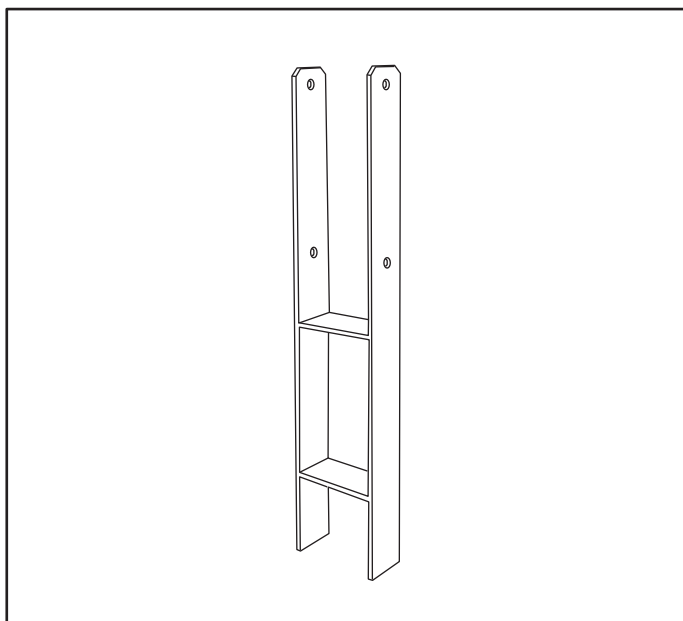
- Anchor the product to or in the ground to prevent wind and storm damage.
- The manufacturer recommends using post anchors to anchor the product to or in the ground. Suitable anchors are available for screwing in and cementing in. You will need a total of six post anchors with an internal width of 71 mm.
- Please note that the appropriate post anchors and any necessary connecting elements are not included with the product.

Post anchors for screwing



- Screw the post anchors to the posts of the product. Please note that the product should be approximately 15 mm higher on one long side to create a slight slope, allowing rainwater to run off to one side.
- Place the product at the planned installation site and align it accordingly. Ensure that the ground is sufficiently firm to hold the screws for fixing the post anchors.

Post anchors for cementing



- Dig holes for cementing the post anchors. Ensure that the distance between the holes corresponds to the distances between the posts of the product.
- Screw the post anchors to the posts of the product. Please note that the product should be approximately 15 mm higher on one long side to create a slight slope, allowing rainwater to run off to one side.
- Place the post anchors with the product mounted on them in the holes.
- Cement the post anchors in place.
- Wait until the cement has set.

Assembly instructions



WARNING!

Risk of injury!

Carry out the installation step by step and very carefully. If you do not follow these installation instructions exactly, mistakes can occur that could be life-threatening.

- Assemble the product very carefully and step by step as specified in the assembly instructions.
- At least three adults should be present to assemble the product.
- Wear protective gloves, safety goggles and safety shoes during assembly.
- Secure each other well while assembling the upper parts of the product. This is particularly important when standing on the ladder.
- Do not step on the roof of the product. There is a risk of falling and breaking through.

NOTE!

Risk of damage!

The movements during assembly may cause screw connections to loosen slightly. This may cause the product to become unstable.

- After installation, tighten all screw connections.



- Please note that the double-web panels have an inside and an outside. The side with the adhesive backing or labelled 'outside' on the edge has a UV-protective coating. To avoid confusion, always remove the film after inserting the respective panel.

Assembly

NOTE!

Risk of damage!

Improper handling of the product may result in damage to the product or property.

- Install the product on a soft and clean surface. If necessary, place a blanket or similar under the product to prevent the surfaces from being scratched or damaged.
- Proceed carefully when installing the product and follow the installation instructions.



- Three adults are required for assembly.



- Use the following tools, which are not included, for assembly:

- Cross-head screwdriver **29**
- SW-10 **30**
- Cordless screwdriver **31**
- Measuring tape **32**
- Spirit level **33**
- Ladder **34**

- When assembling, ensure that you have sufficient space to move in all directions (at least 1.5 metres).
- Before assembly, familiarise yourself once again with the individual parts shown in the illustrations.

Screw the brackets to the six posts 11

Connect the longitudinal beams 12

Connect the posts and longitudinal beams to the long sides13

Erect the long sides and screw them to the outer cross beams17

Attach the middle coupling beam19

Attach inner cross members in the area of the outer posts21

Attach remaining inner cross beams23

Attach storm hooks to secure the cross beams25

Attach headbands to the posts26

Attach joists to the crossbars30

Attach cover caps to one end of the beams31

Inserting the double-web panels32

Attaching cover caps to the other end of the beams34

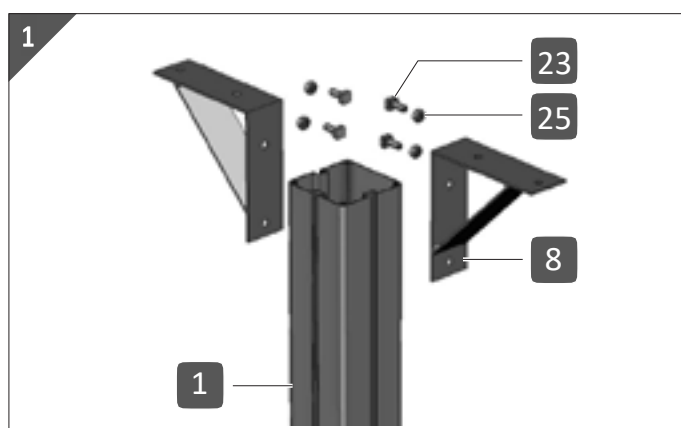
Assemble the rain gutters 35

Hanging and screwing the rain gutters in place36

Attach the covers to the longitudinal beams and the rain gutters37

Attaching the drain outlets to the rain gutters38

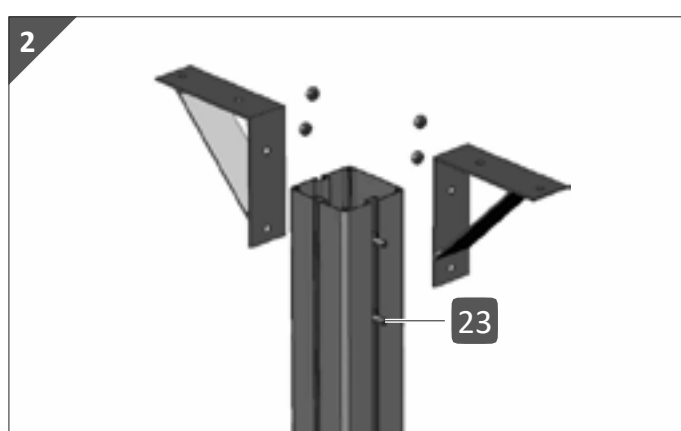
1 Screw the brackets to the six posts



1. Prepare six posts **(1)**, twelve brackets **(8)**, 18 M6×12 mm screws **(23)** and 18 M6 nuts **(25)**.



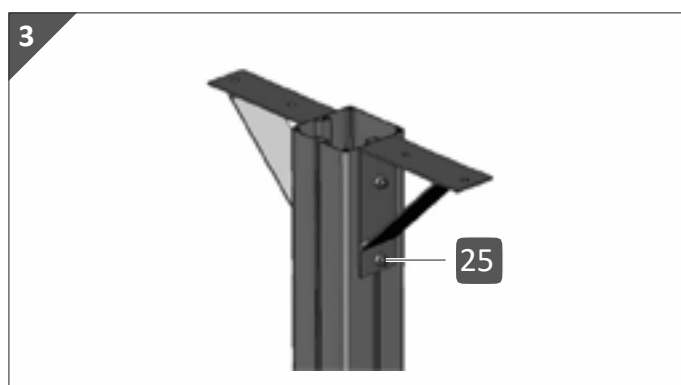
Place the posts on the floor with the side without screw channels facing downwards so that the brackets can be mounted without obstruction.



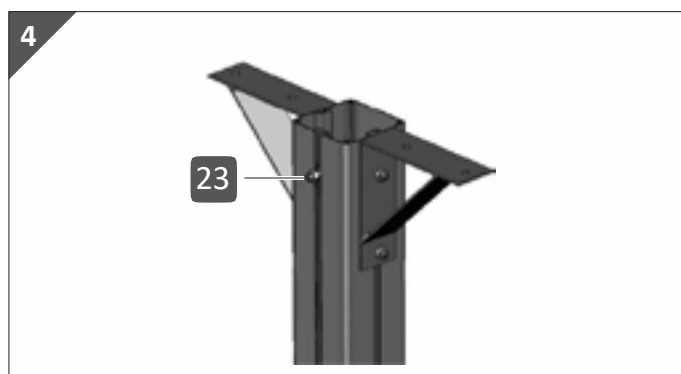
2. Insert two M6×12 mm **(23)** screws into the screw channels on the corresponding sides of the first post.



Each post has a screw channel on three sides. In this step, the M6×12 mm screws are inserted into the two opposite screw channels.

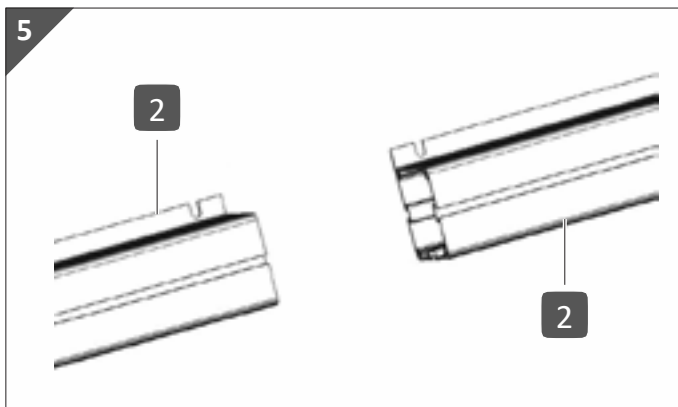


3. Place the brackets on the M6×12 mm screws. Ensure that the brackets are flush with the top of the posts.
4. Secure the brackets by tightening the M6×12 mm screws with one M6 nut each **(25)**. Use a 10 mm spanner **(29)**.

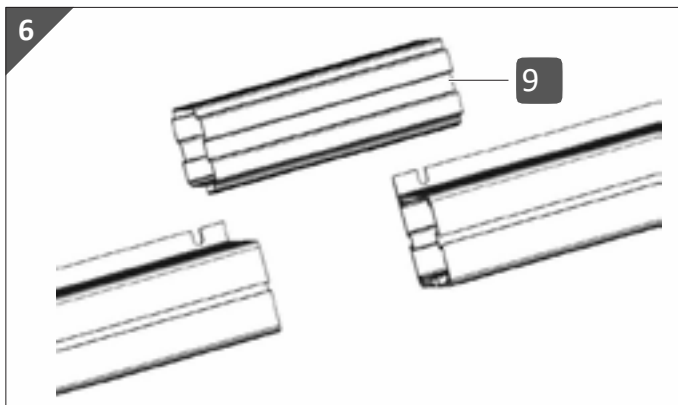


5. Insert an M6×12 mm bolt **(23)** into the screw channel on the front of the post as shown.
6. Secure the M6×12 mm screw lightly with an M6 **(25)** nut so that it cannot slip.
7. Repeat the steps described above for the five remaining posts.

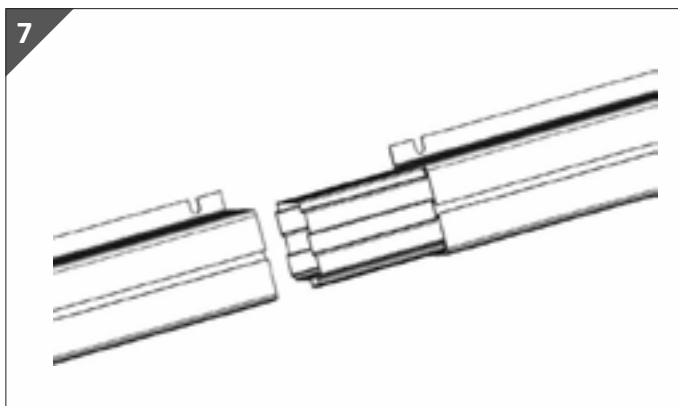
2 Connect the longitudinal beams



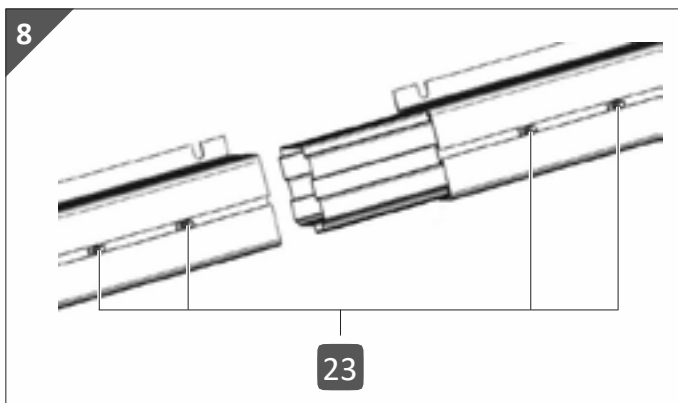
1. Place two longitudinal beams **(2)** on the floor so that the protrusions are aligned with the cut-outs on the side facing the floor.



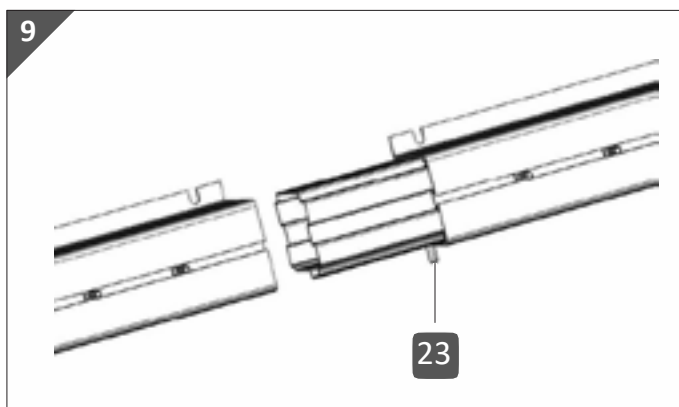
2. Place a longitudinal beam connector **(9)**. Ensure that the longitudinal beam connector is aligned so that it can be inserted into the longitudinal beams. This is only possible in one position.



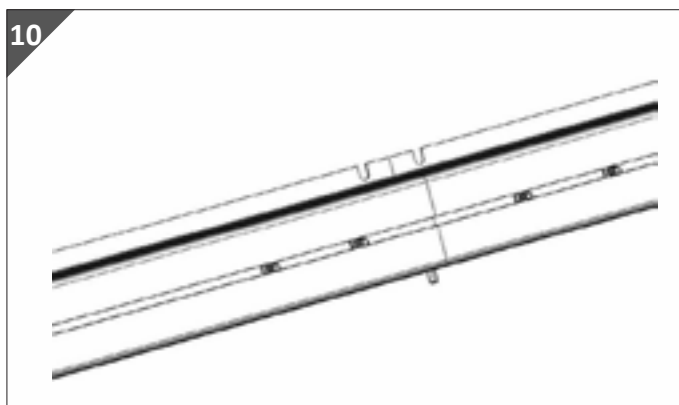
3. Insert a longitudinal beam and the longitudinal beam connector together. Make sure that you insert the longitudinal beam connector halfway into the longitudinal beam.



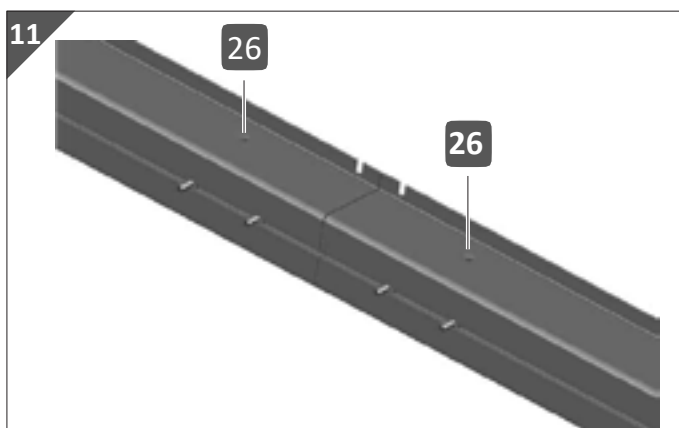
4. Insert two M6×12 mm screws **(23)** as shown into the upper screw channels of both longitudinal beams.



5. Insert an M6×12 mm screw **(23)** into the screw channel on the right-hand side member facing you, as shown.

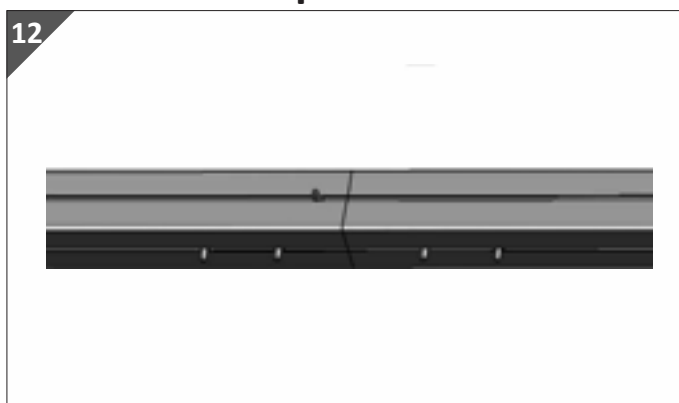


6. Push both longitudinal beams together until they are flush with each other.

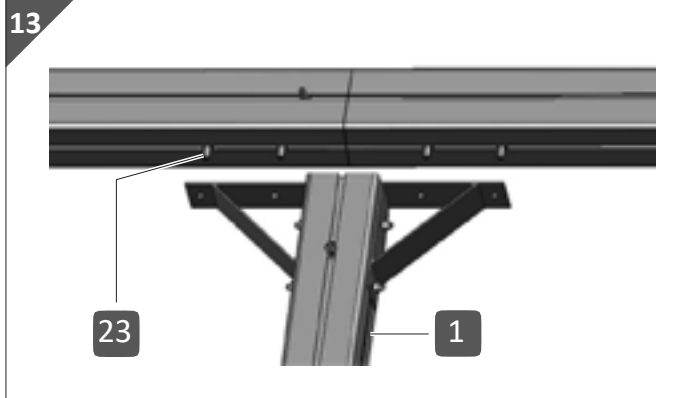


7. Screw the two side members and the side member connector together using one 4.8×13 mm self-tapping sheet metal screw **(26)** per longitudinal beam so that they can no longer be pulled apart.
8. Repeat the above steps with the two remaining side members and the remaining side member connector.

3 Connect the posts and side members to the long sides

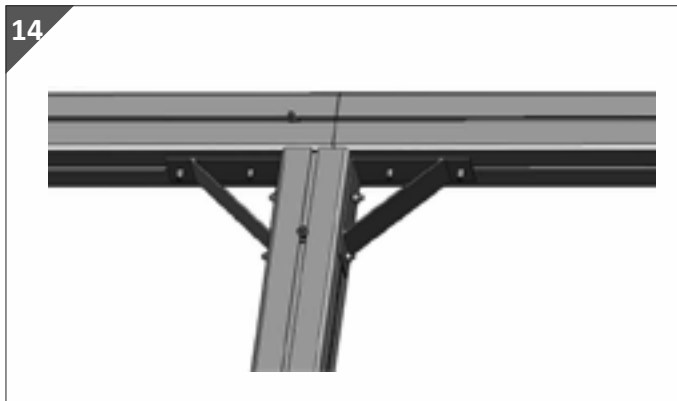


1. Take two of the side members connected in the previous step.
2. Turn the longitudinal beams so that the four M6×12 mm bolts you inserted earlier are parallel to the floor and pointing towards you.



First, screw the middle post to the longitudinal beams.

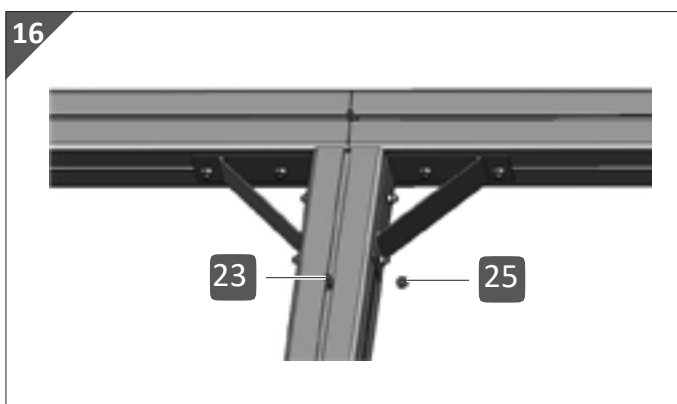
3. Place a post with angles **(1)** in front of the joint between the two connected longitudinal beams, as shown. Position the post so that the pre-assembled brackets are a short distance from the screws **(23)**.



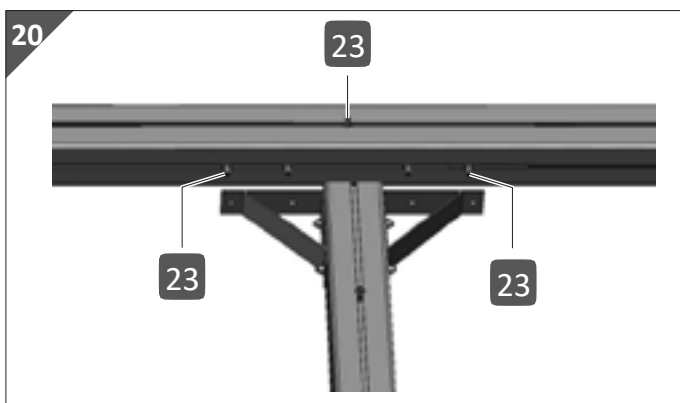
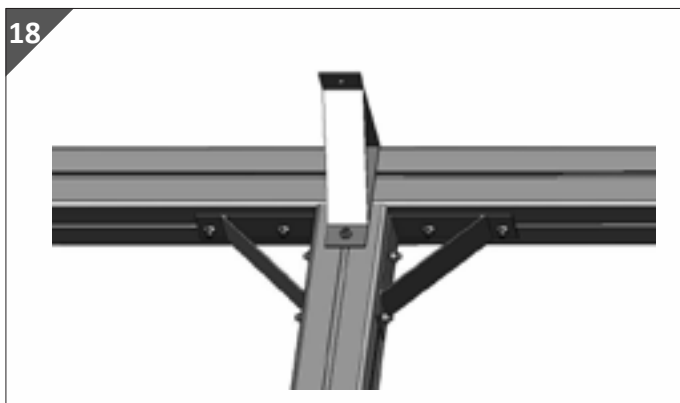
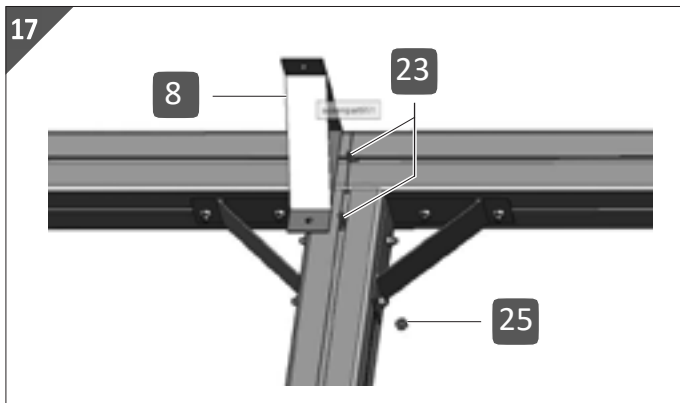
4. Align the M6×12 mm bolts so that they are exactly in line with the through holes in the brackets.
5. Place the brackets on the M6×12 mm screws as shown.



6. Align the post so that the joint between the two longitudinal beams is exactly in line with the centre of the screw channel.
7. Secure the brackets by screwing the M6×12 mm screws into the M6 nuts **(25)**.



8. Loosen the M6 nut **(25)** that you previously used to secure the M6×12 mm screw **(23)** to the front of the post.



9. Position the M6×12 mm bolt that you previously inserted into one of the longitudinal beams. **(23)** exactly in the centre of the joint.

10. Position the M6×12 mm screw **(23)** inserted into the post so that an angle bracket **(8)** can be attached and screwed in place

11. Place the bracket on the two screws.

12. Ensure that the top of the bracket is flush with the top of the longitudinal beams.

13. Secure the bracket by screwing each of the two M6×12 mm screws into an M6 nut.

Next, mount two of the posts pre-assembled in step 1 at the two outer ends of the connected longitudinal beams. The posts are mounted exactly at the height of the second punch hole in the overhangs of the longitudinal beams.



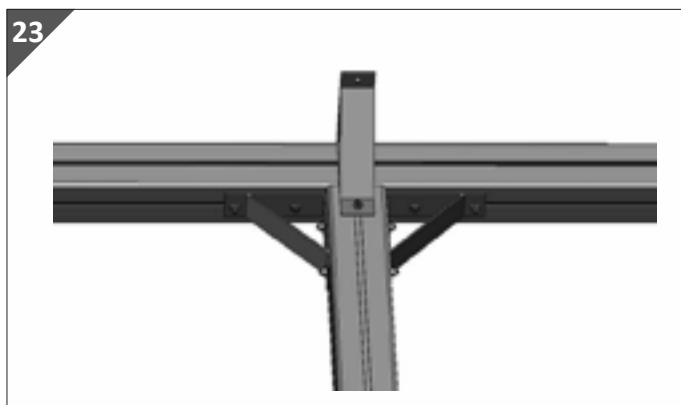
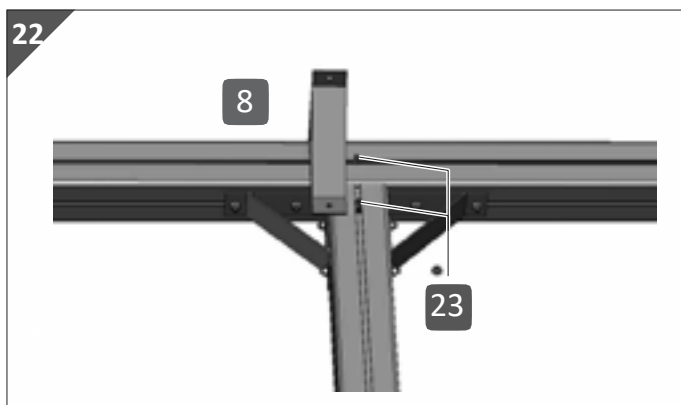
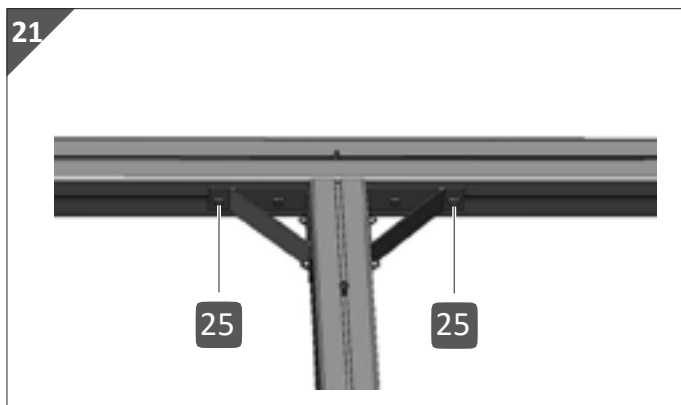
The second punch hole is located 640 mm from the end of each longitudinal beam.

14. Insert a single M6×12 mm screw **(23)** into the upward-facing screw channel. Position the screw so that it is at the same height as the second punch mark.

15. Insert four more M6×12 mm screws into the screw channel facing you, as shown.

16. Place one of the posts with brackets in front of the respective longitudinal beam. Position the post precisely so that the centre of the screw channel on the post is aligned with the single upward-facing screw.

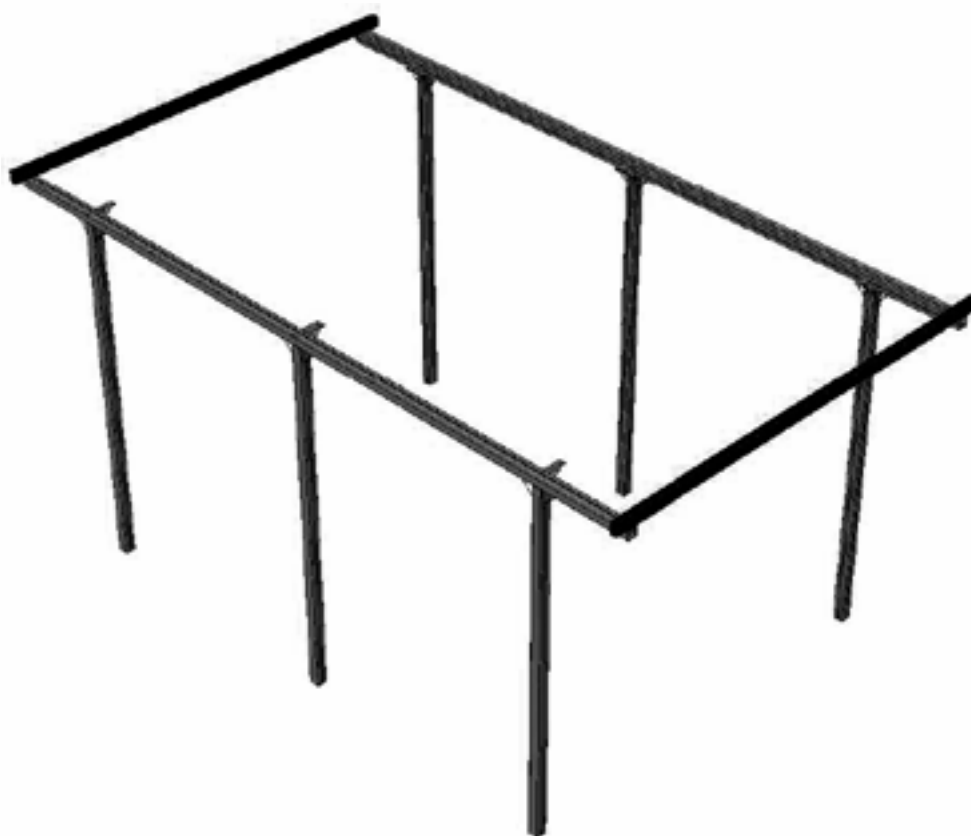
17. Position the four M6×12 mm screws in the screw channels facing you so that they are aligned with the through holes in the brackets.
18. Place the brackets on the four screws. Check that the centre of the screw channel is exactly 640 mm from the outer end of the longitudinal beam. Reposition the post if necessary.
19. Connect the brackets and the longitudinal beam using M6 nuts (**25**).



20. Attach a bracket (**8**) to the front of the post. To do this, place the bracket on the two M6×12 mm screws (**23**) which you have previously inserted into the screw channels of the post and the longitudinal beam above it.
21. Attach another post and another bracket to the other end of the two connected longitudinal beams.
22. Repeat the steps described in Figures 19 to 23 with the two remaining connected longitudinal beams and the three remaining posts fitted with brackets.

4 Erect the long sides and screw them to the outer cross members

24



CAUTION!

Risk of injury!

People may be hit by falling components, which could result in injury.

- Carry out the assembly with at least three adults.

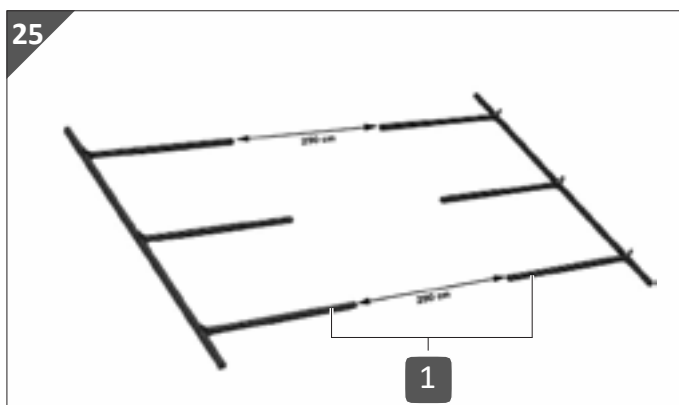
NOTE!

Risk of damage!

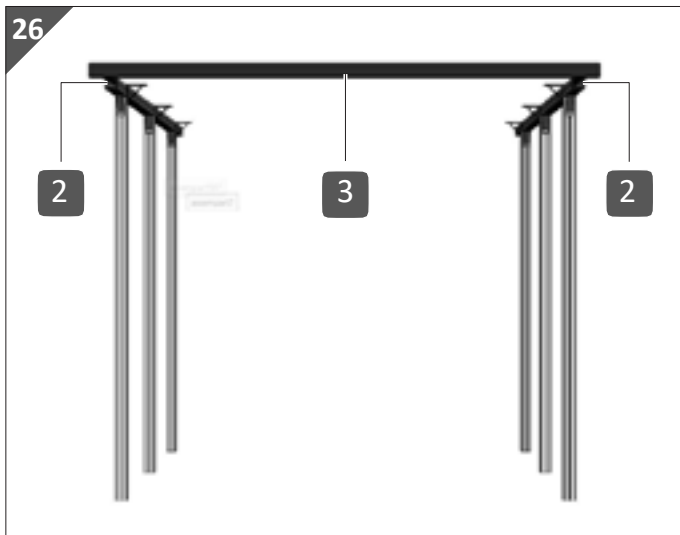
Surrounding objects may be hit by falling components.

- Carry out the assembly with at least three adults.
- During assembly, ensure a safe distance from surrounding objects.

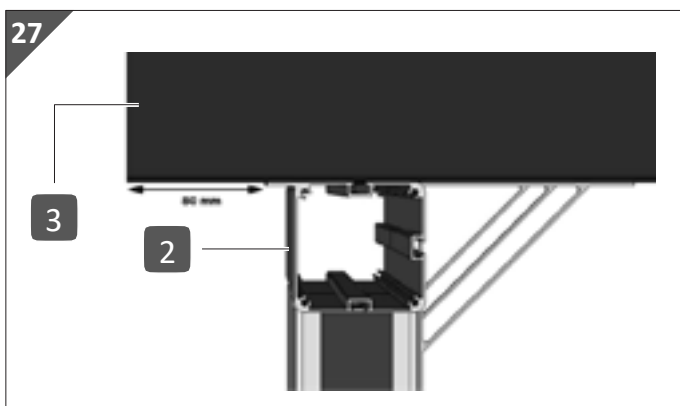
25



1. Place the two prepared long sides on the floor as shown. Ensure that the distance between the posts **(1)** 290 cm.



2. Have one person lift each of the two long sides
3. Take one of the two outer cross members **(3)**.
4. Place the outer cross member on the longitudinal members **(2)** at the front of the long sides. Position the outer cross member so that it rests on the front punch mark of the longitudinal beams. Ensure that the smooth side of the outer cross member is flush with the longitudinal member on the outside.



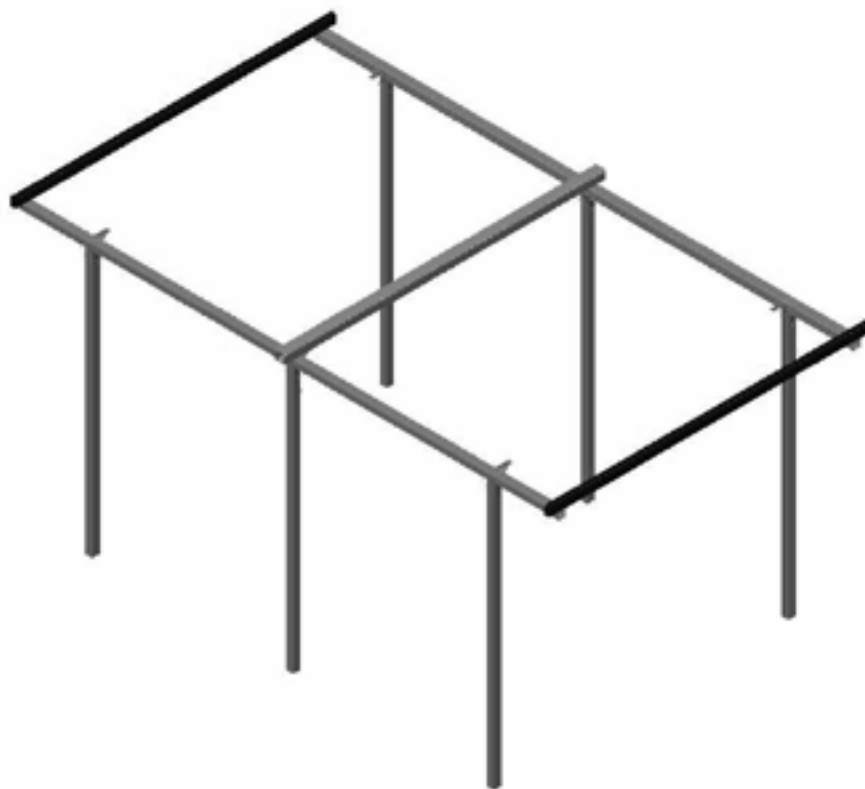
5. Align the outer cross member **(3)** so that it protrudes exactly 80 mm beyond the protruding edge of the longitudinal member **(2)** on one side.
6. Screw the outer cross member to the longitudinal member at the punch mark. Use an M6×12 mm screw for this. **(23)** and an M6 nut **(25)**.
7. Repeat steps 5 and 6 on the other longitudinal side.
8. Repeat steps 3–6 with the second outer cross member, mounting it at the rear of the long sides.



Once the outer cross beams are in place, the carport will stand independently and no longer needs to be held up.

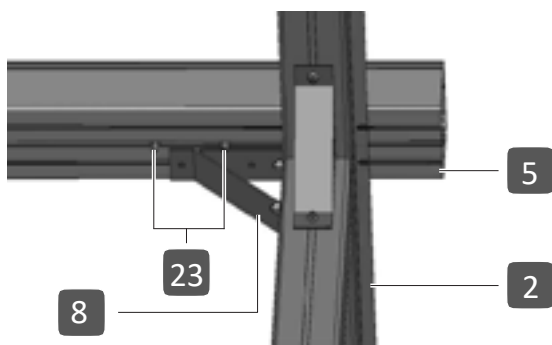
5 Attach the middle coupling beams

28

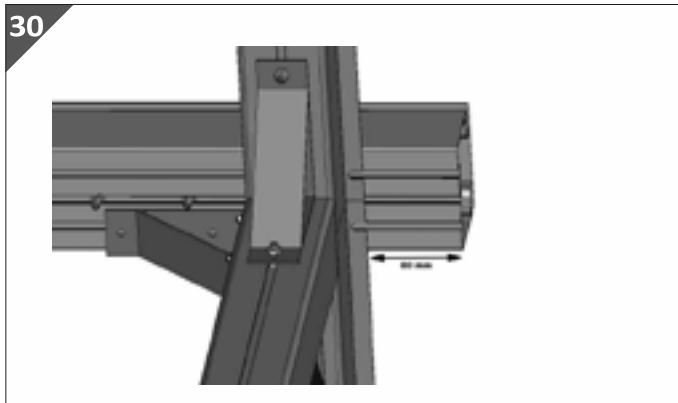


The easiest way to assemble the coupling beam is to do so on both sides at the same time. Ask a second person to help you with this.

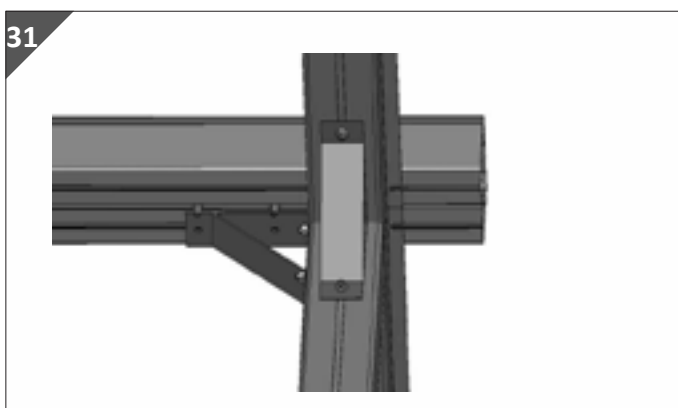
29



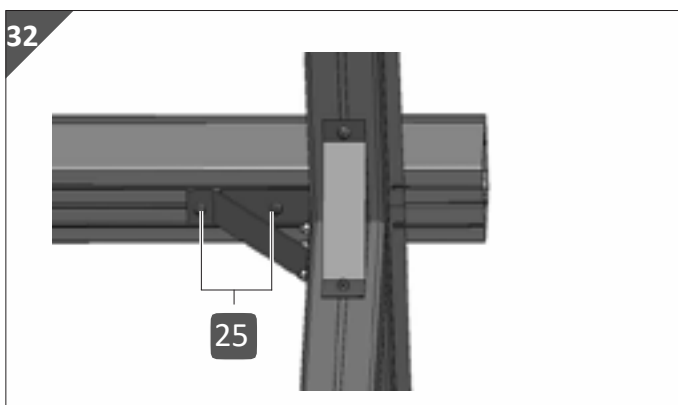
1. Insert two M6×12 mm bolts **(23)** into the middle bolt channel at both ends of the connecting beam **(5)**.
2. Insert the screws into the channel so that the inner of the two screws is approx. 260 mm away from the outer end of the coupling beam.
3. Place the coupling beam in the middle of the long sides on the connected longitudinal beams **(2)**.
4. Position the coupling beam as shown. Make sure that the middle screw channel of the connecting beam is close to the brackets mounted on the middle posts **(8)**.



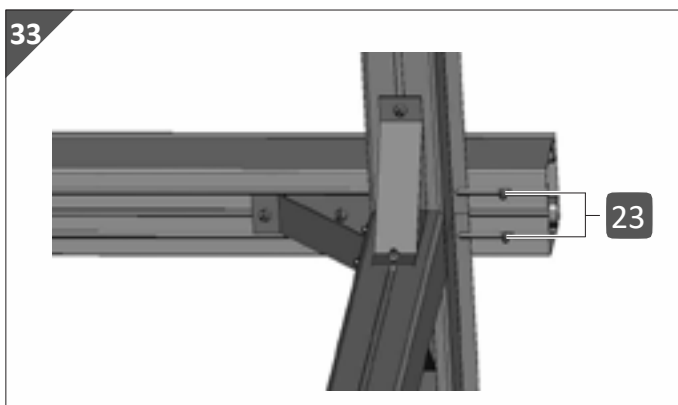
5. Align the coupling beam so that it protrudes exactly 80 mm beyond the longitudinal beams on both sides.



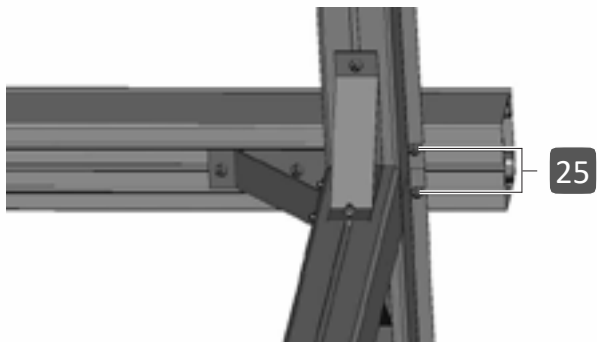
6. Move the previously inserted M6×12 mm bolts so that they are exactly in line with the through holes in the brackets attached to the posts.



7. Carefully place the coupling beam on the brackets. Make sure that the M6×12 mm screws are inserted through the through holes.
8. Check again that the coupling beam protrudes exactly 80 mm on both sides. Align the coupling beam accordingly if necessary.
9. Screw the coupling beam to the brackets. Use one M6 nut **(25)** per M6×12 mm screw.
10. Insert one M6×12 mm bolt **(23)** into each of the two outer bolt channels on both sides of the coupling beam.



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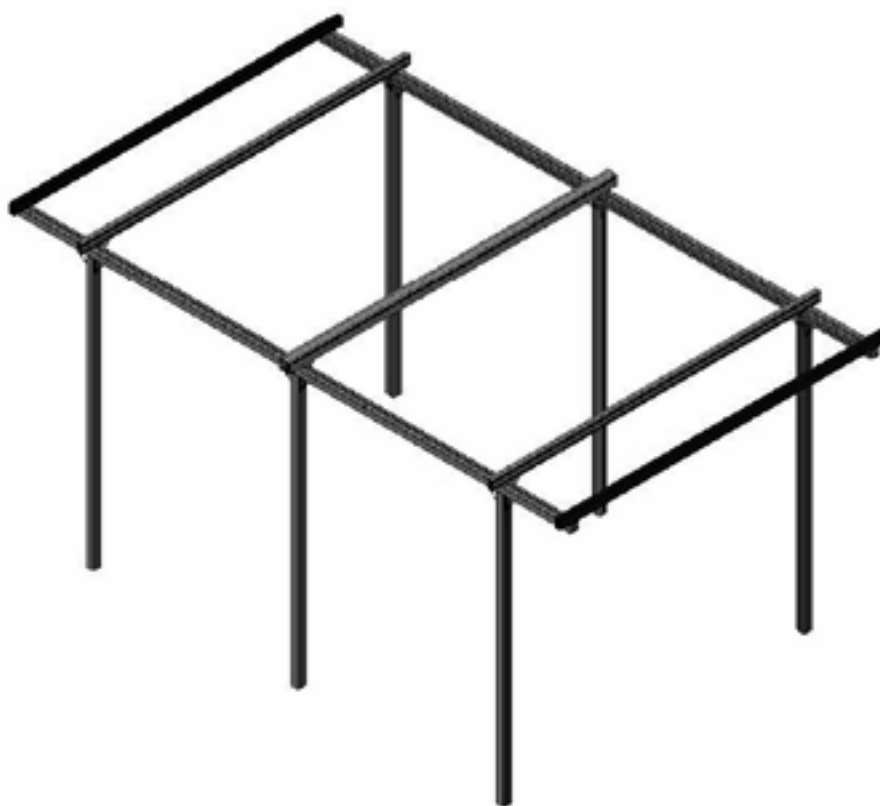


11. Screw the coupling bracket to the longitudinal beams.

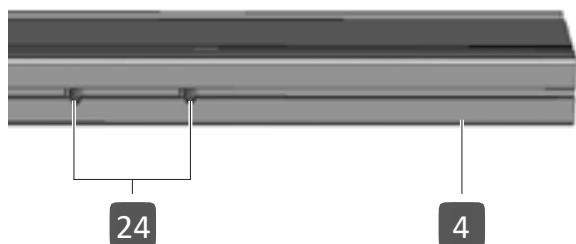
12. Screw the coupling beam to the longitudinal beams. Use one M6 nut **(25)** per M6×12 screw.

6 Attach inner cross members in the area of the outer posts

35



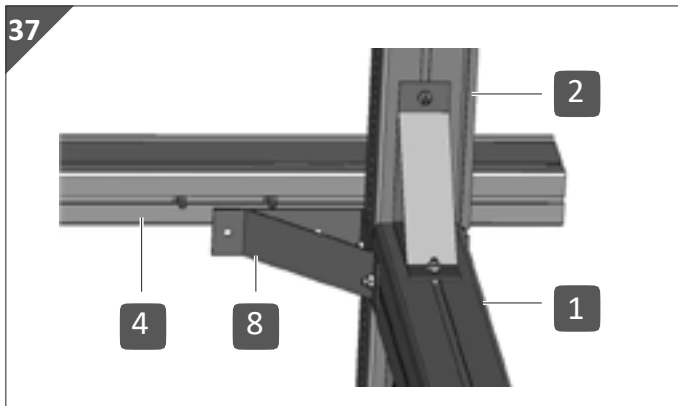
36



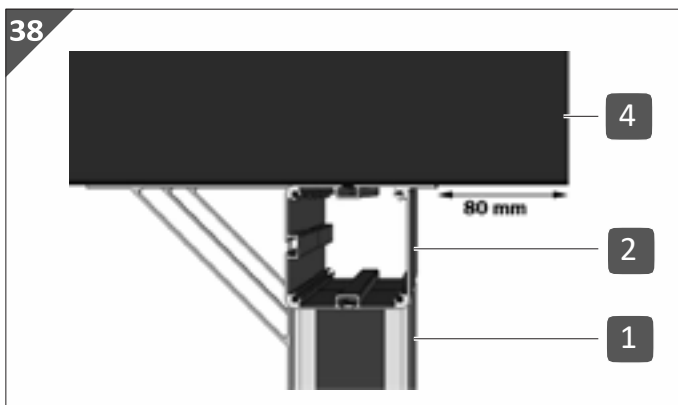
1. Take one of the inner crossbars **(4)**.

2. Insert two M6×12mm screws **(23)** into the screw channel of the cross member.

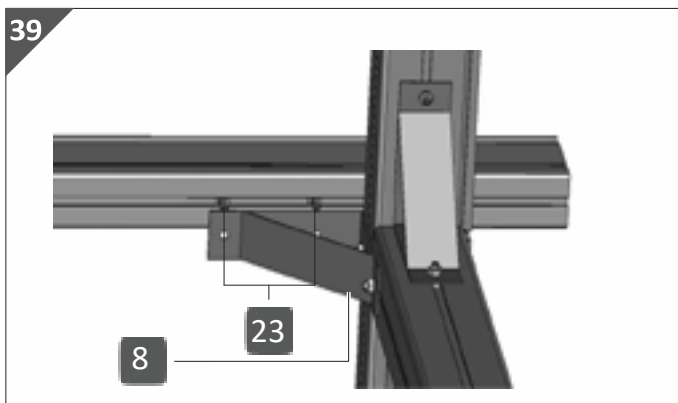
3. Insert the screws into the channel so that the inner of the two screws is approx. 260 mm away from the outer end of the inner cross member.



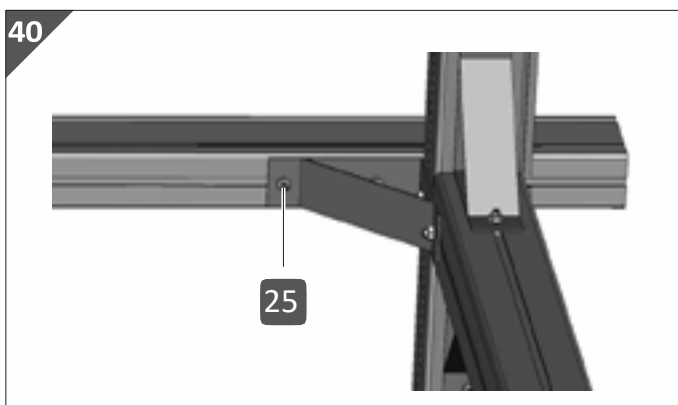
4. Place the inner crossbar **(4)** in the area of the front pair of posts **(1)** on the longitudinal beams **(2)** of the long sides.
5. Position the inner cross member as shown. Make sure that the screw channel of the inner cross member is located just next to the brackets mounted on the front posts **(8)**.



6. Align the inner cross member so that it protrudes exactly 80 mm beyond the longitudinal members on both sides.

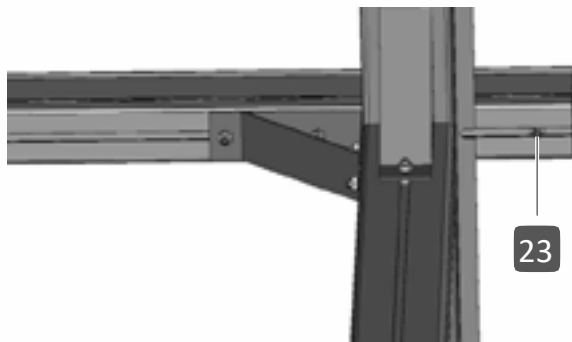


7. Move the previously inserted M6×12 mm bolts **(23)** so that they are exactly in line with the through holes in the brackets **(8)** attached to the posts .



8. Carefully place the inner cross member on the brackets. Make sure that the M6×12 mm screws are inserted through the through holes in the brackets.
9. Check again that the inner cross member protrudes exactly 80 mm on both sides. Align the inner crossbeam accordingly if necessary.
10. Screw the inner cross member to the brackets. Use an M6 nut for this. **(25)** per M6×12 mm screw.

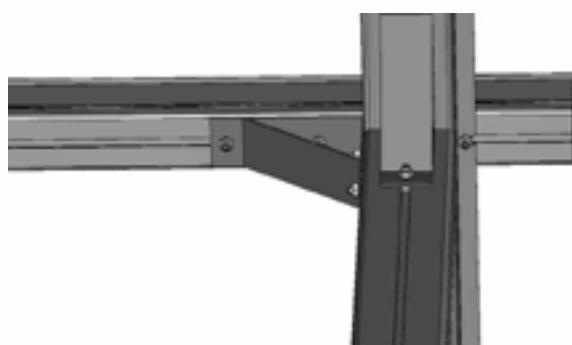
41



11. Insert an M6×12 mm screw at both ends of the inner cross member **(23)** into the screw channel of the inner cross member. Follow the illustration.

12. Insert the M6×12 mm bolts into the punch holes in the protrusions of the side members as shown.

42

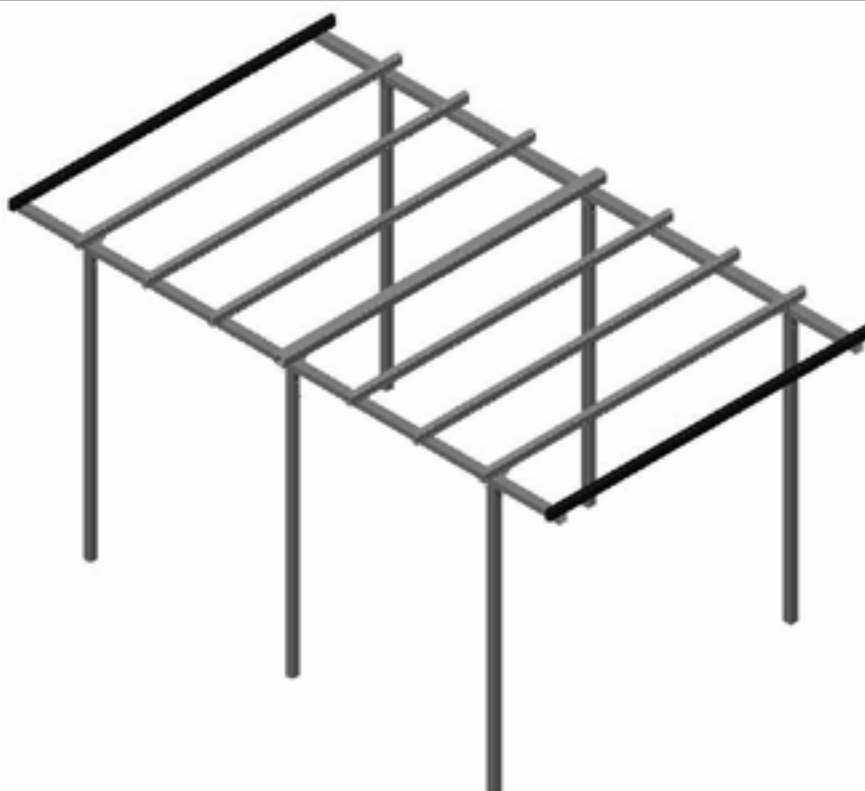


13. Screw the inner cross member and the longitudinal members. Use one M6 nut per M6×12 mm screw **(25)**.

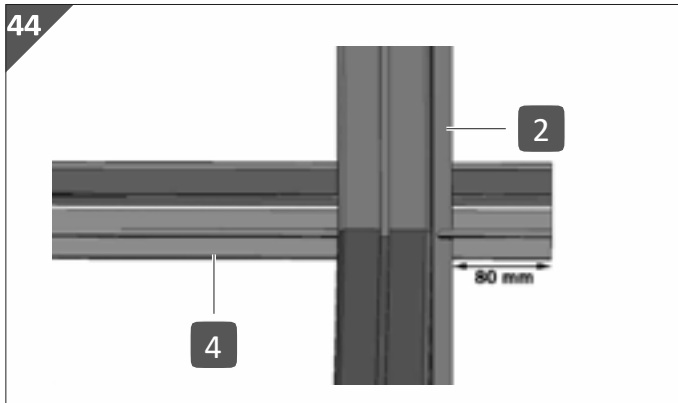
14. Repeat the above steps with another inner cross member, installing it in the area of the rear pair of posts.

7 Attach remaining inner cross members

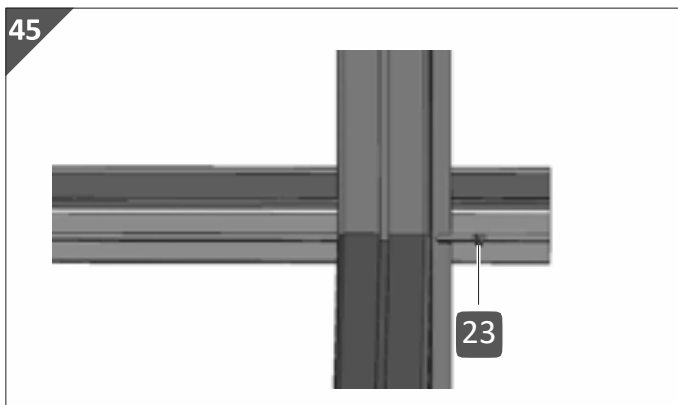
43



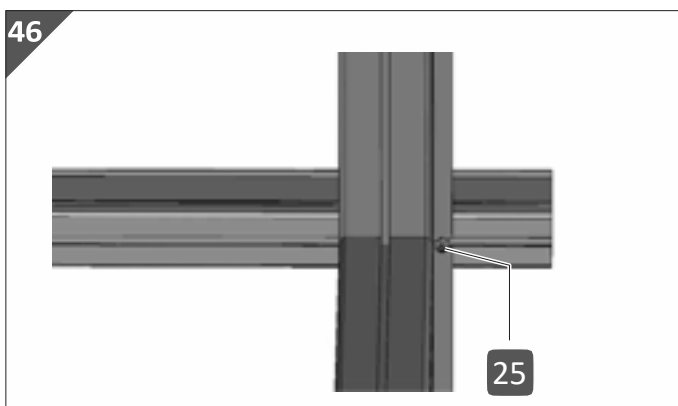
In this section, the remaining four inner cross members are mounted in the locations specified by the punch holes in the overhangs of the longitudinal members.



1. Place one of the four remaining inner cross members **(4)** in one of the designated positions.
2. Align the inner cross member so that it protrudes exactly 80 mm beyond the longitudinal members on both sides **(2)**.

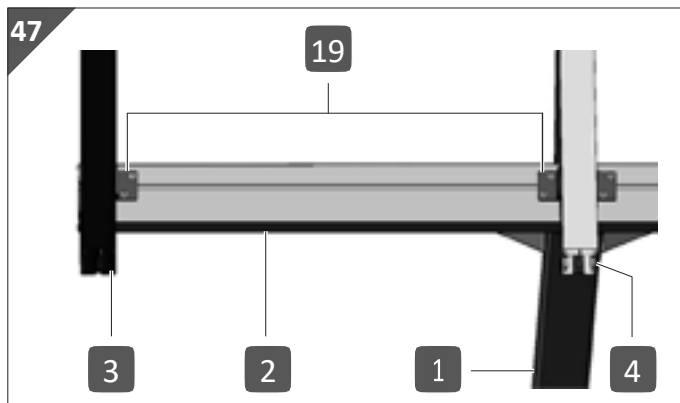


3. Insert an M6×12 mm screw at both ends of the inner cross member. **(23)** into the screw channel of the inner cross member. Follow the illustration.
4. Insert the M6×12 mm screws into the punch holes in the protruding section of the longitudinal beams and tighten them as far as they will go.

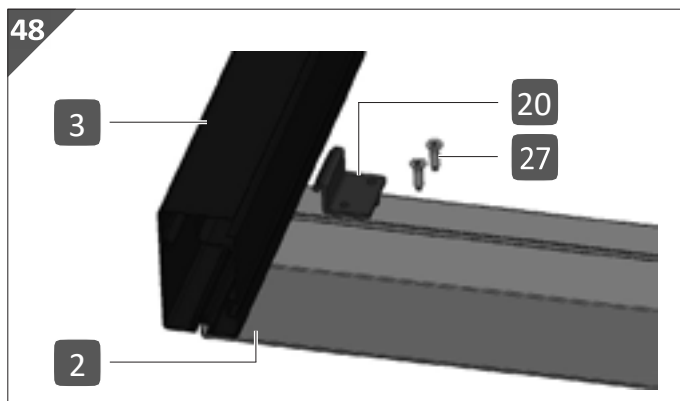


5. Screw the inner cross member and the longitudinal members together. Use an M6 nut screw **(25)** per M6×12 mm screw
6. Repeat the above steps with the remaining three inner cross members, installing them in the designated locations.

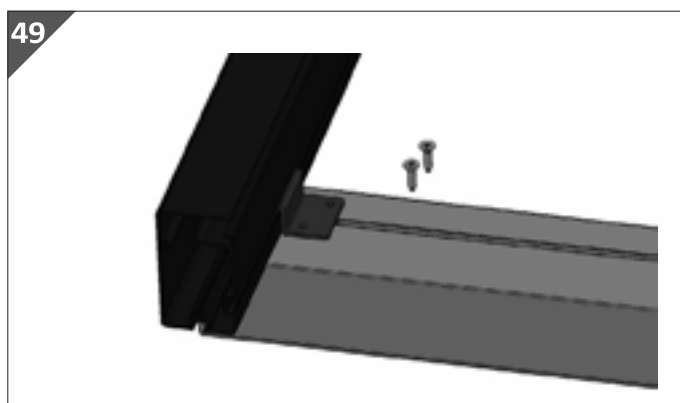
8 Attach storm hooks to secure the cross beams



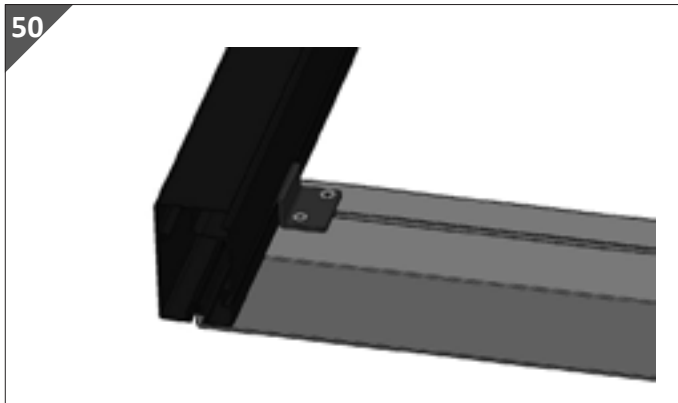
In this section, the outer and inner cross members are additionally secured with storm hooks. The outer cross members **(5)** are secured from one side with storm hooks **(19)**, while the inner cross members **(4)** are secured on two sides with storm hooks.



1. Place one of the outer cross members **(3)**. **(19)** into the upper screw channel of one of the longitudinal beams **(2)**.



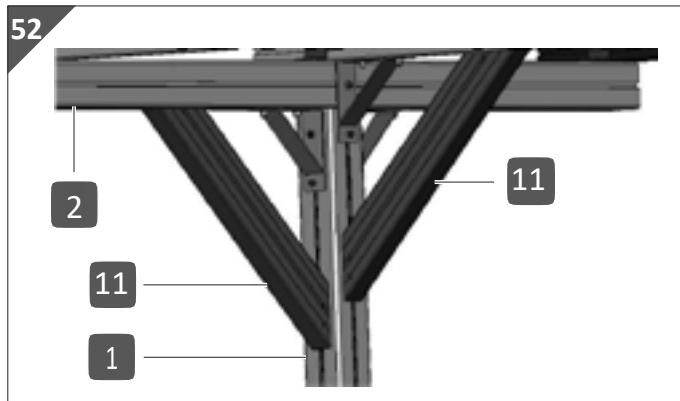
2. Push the storm hook all the way to the outer crossbar. Ensure that the storm hook is flush with the outer cross member.



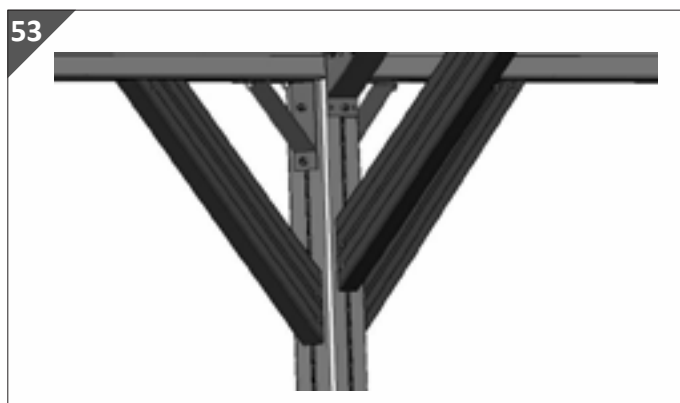
3. Screw the storm hook to the longitudinal beam. Use two 4.8×13 mm self-tapping sheet metal screws **(26)**. Tighten the screws using a cordless screwdriver **(30)**.
4. Attach another storm hook as described at the other end of the outer cross member.
5. Attach two storm hooks as described in the area of the second outer cross member.
6. As described above, attach four storm hooks around each of the inner cross members, screwing the storm hooks to the longitudinal members on both sides of the inner cross members.

9 Attach headbands to the posts

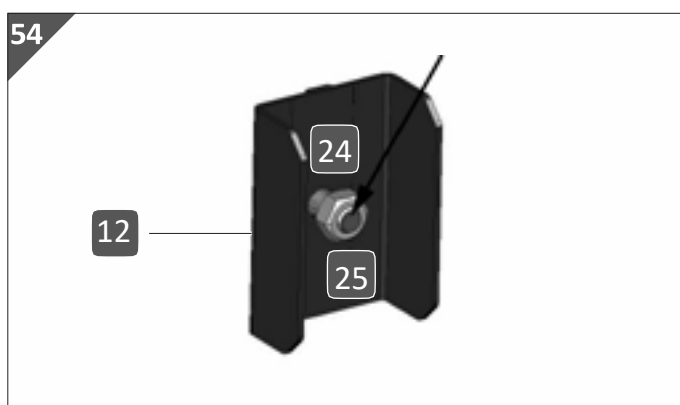




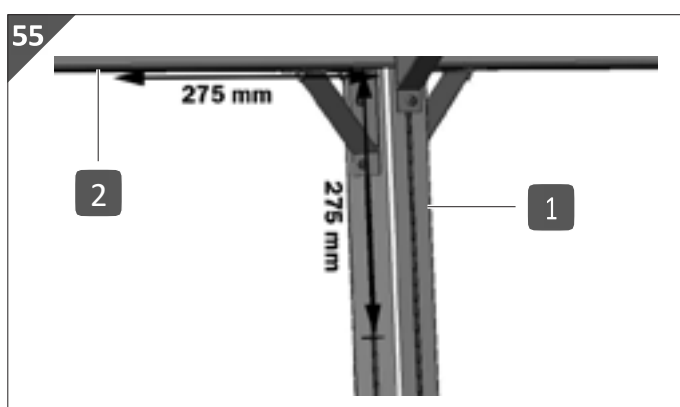
Two headbands are attached to each of the outer posts.



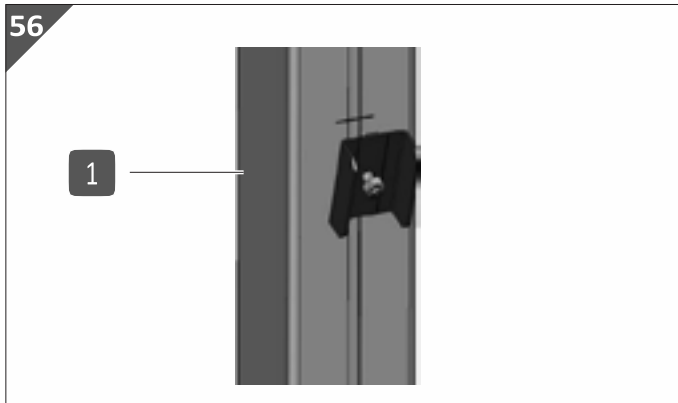
Three headbands are mounted on the two middle posts.



1. Take a headband holder **(12)**.
2. Insert an M6×12 mm rhombus screw **(24)** through the through hole of the headband mount.
3. Insert an M6 nut **(25)** onto the rhombus screw.
4. Lightly tighten the M6 nut.
5. Repeat the above steps with the remaining headband mounts.



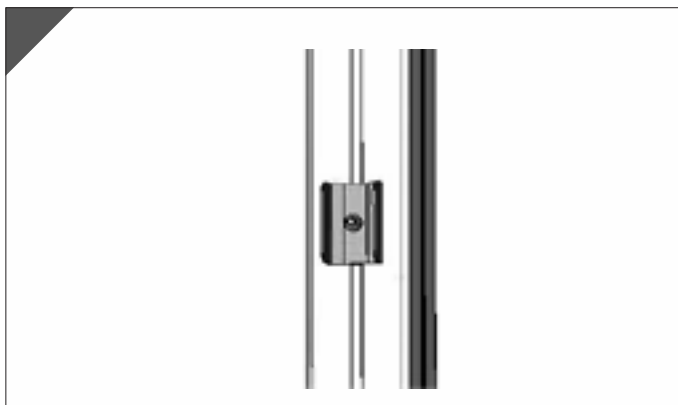
6. Go to one of the posts **(1)**.
7. Measure a distance of 275 mm on the post as shown. Use a tape measure to do this **(31)**. Take the transition between the post and the longitudinal beam above it as your starting point.
8. Mark the measured point.
9. Measure at the bottom of the longitudinal beam **(2)** and mark the spot. Follow the illustration here as well.



10. Take one of the headband mounts.

11. Turn the previously inserted M6×12 mm rhombus screw so that the longer side of the screw head runs parallel to the long side of the headband holder.

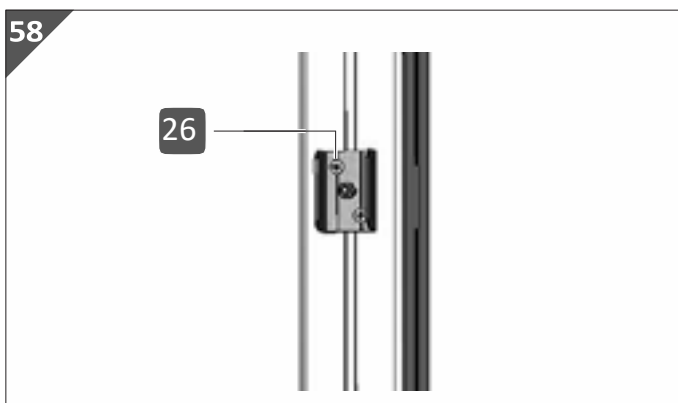
12. Place the headband mount on the post (1), inserting the rhombus screw into the screw channel of the post.



13. Position the headband holder precisely so that the upper edge of the headband holder is flush with the mark.

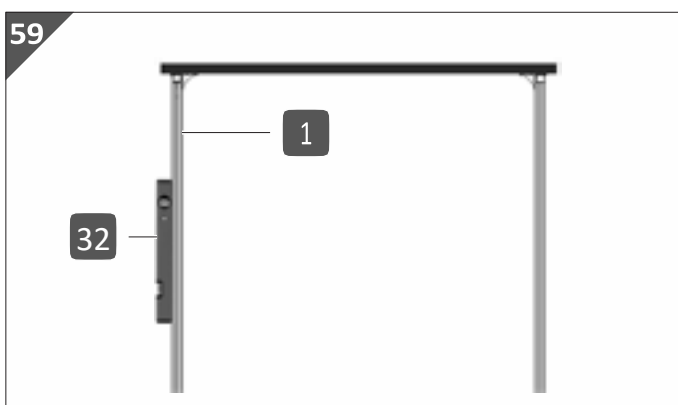
14. Tighten the M6 nut slightly. Make sure that the M6×12 mm rhombus screw turns with it until it wedges itself in the screw channel.

15. Tighten the M6 nut completely to secure the headband mount to the post.

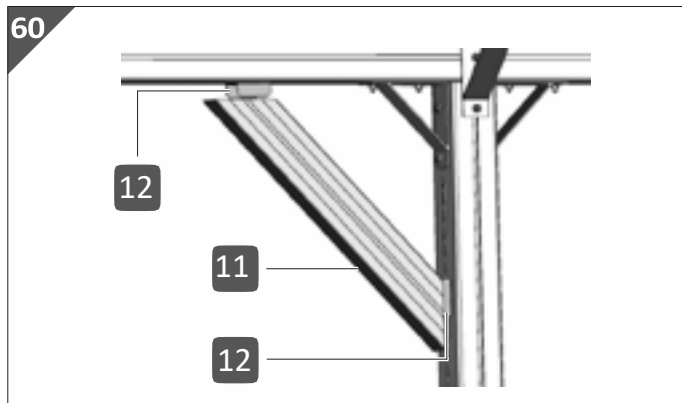


16. Screw the headband mount in place using two 4.8×13 mm self-tapping sheet metal screws (26) to the post. Ensure that you screw the sheet metal screws diagonally into the V-grooves provided in the headband mount, as shown.

17. Attach another headband mount in the area of the mark on the underside of the longitudinal beam. Proceed in the same way as described above.



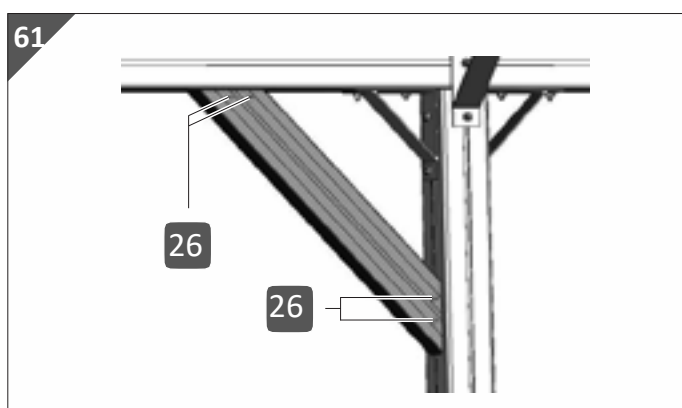
18. Align the post (1) exactly vertically. Use a spirit level (32).



19. Attach a headband (**11**) by hooking it into the headband holder (**12**) on the post and into the headband holder on the underside of the longitudinal support.

20. Align the headband. Ensure that the mitre is flush with the post and the longitudinal beam.

21. Screw the headband to the headband holders as shown. To do this, use two 4.8×13 mm self-tapping sheet metal screws (**26**).



Be sure to position the screws so that they screw into the headband mounts.

Before screwing, make absolutely sure that the post is aligned exactly vertically.

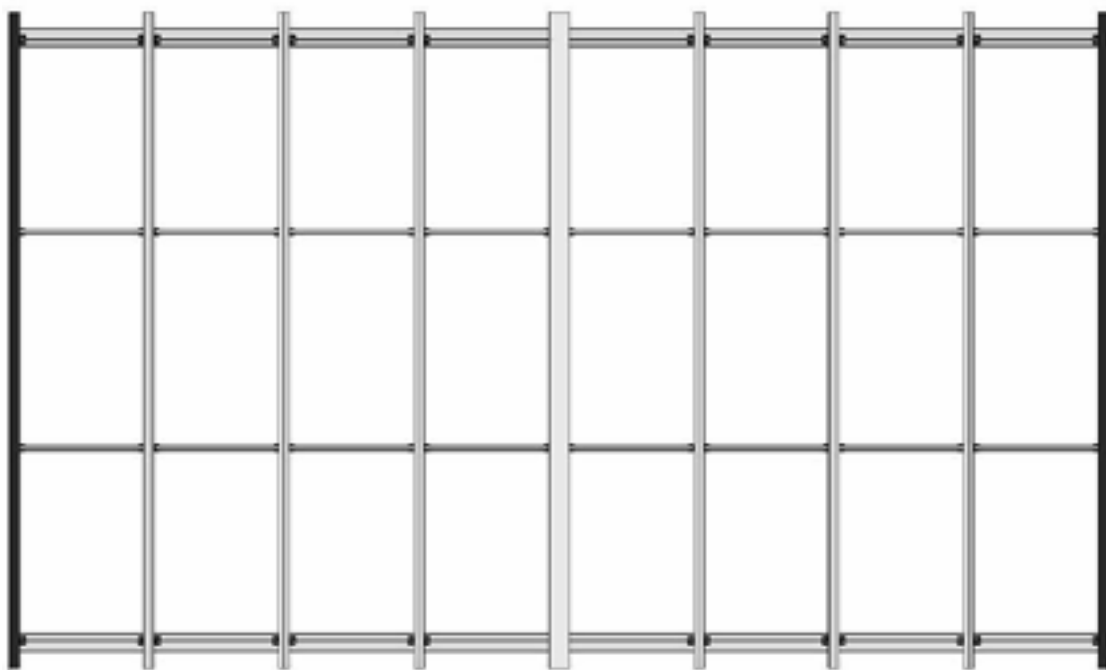
22. Attach the remaining headbands to the product, mounting two headbands offset by 90° on each of the four outer posts, while mounting a total of three headbands per post on the two middle posts (see **Fig. 51**).



Please note that the inward-facing headbands on the middle posts are mounted on the coupling beam.

10 Attaching the crossbeams to the crossbars

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In this section, the joists are attached, which run perpendicular to the double-web panels of the roof surface that will be installed later. The joists are designed to prevent the double-web panels from sagging under the weight of large amounts of snow.

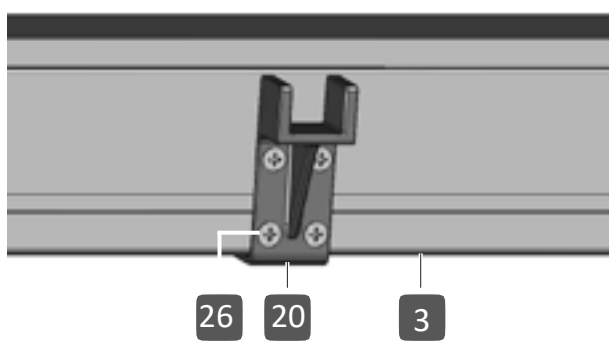
63



The plastic beams that support the joists are installed 990 mm away from the outer ends of each outer or inner crossbeam or coupling beam.

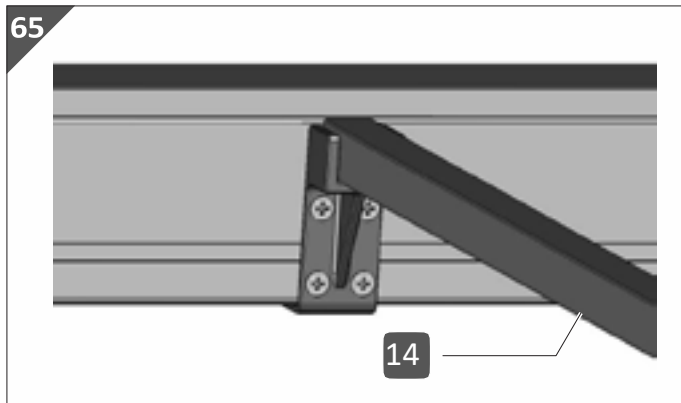
1. Place a tape measure **(31)** on the inward-facing side of one of the outer cross beams **(3)**. To do this, climb onto a ladder **(33)**.
2. Make a mark exactly 990 mm from the outer end of the outer cross member.
3. Hook a plastic bracket **(20)** into the screw channel of the outer bracket. Ensure that the plastic bracket is flush with the side of the mark facing the centre of the carport.
4. Screw the plastic bracket in place with four 4.8×13 mm self-tapping sheet metal screws **(26)**.
5. Attach the remaining plastic supports to the outer and inner cross members and to the coupling support as described above.

64





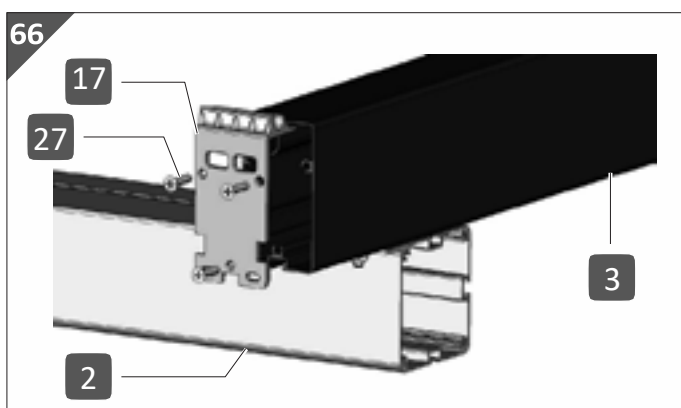
Please note that the outer cross beams are only fitted with plastic supports on the inward-facing side, while the inner cross beams and the coupling beam are fitted with plastic supports on both sides.



6. Insert the square profiles **(14)** into the plastic supports.

11 Attach cover caps to one end of the beams

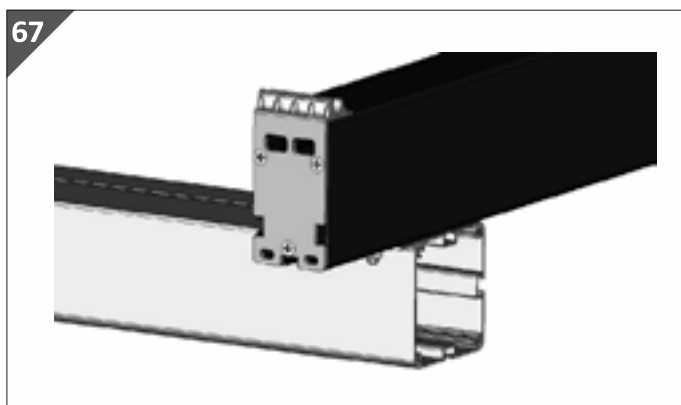
In this section, the outer and inner cross beams and the coupling beam are each fitted with the corresponding cover caps at one end.



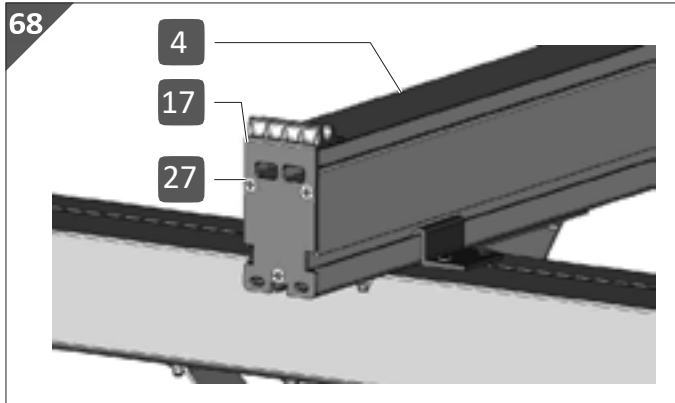
1. Place a cross member cover cap **(17)** on one end of an outer cross member **(3)**.



Please note that in this step, only one end of the outer and inner cross beams and the connecting beam is fitted with cover caps. The other ends are only fitted with cover caps after the double-web panels have been inserted.

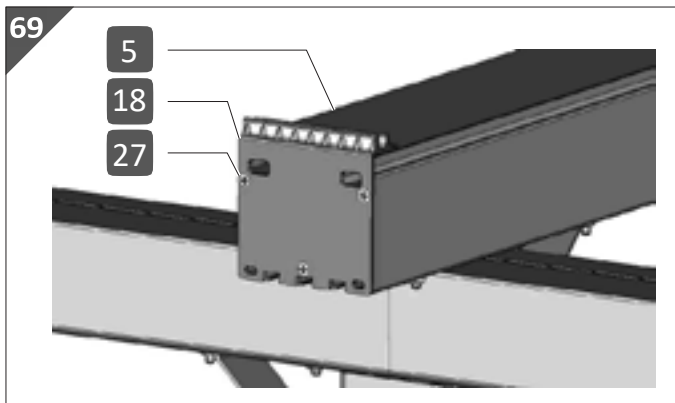


2. Screw the cross-beam cover cap and the outer cross-beam together using three 4.2x22 mm sheet metal screws **(27)**. Use a Phillips screwdriver **(28)**.
3. Fit another cross member cover cap to one end of the second outer cross member. Ensure that you fit both cover caps on the same side of the product.



4. Place one cross-member cover cap **(17)** on each end of each inner cross-member **(4)**. Ensure that all cover caps are fitted on the same side of the product.

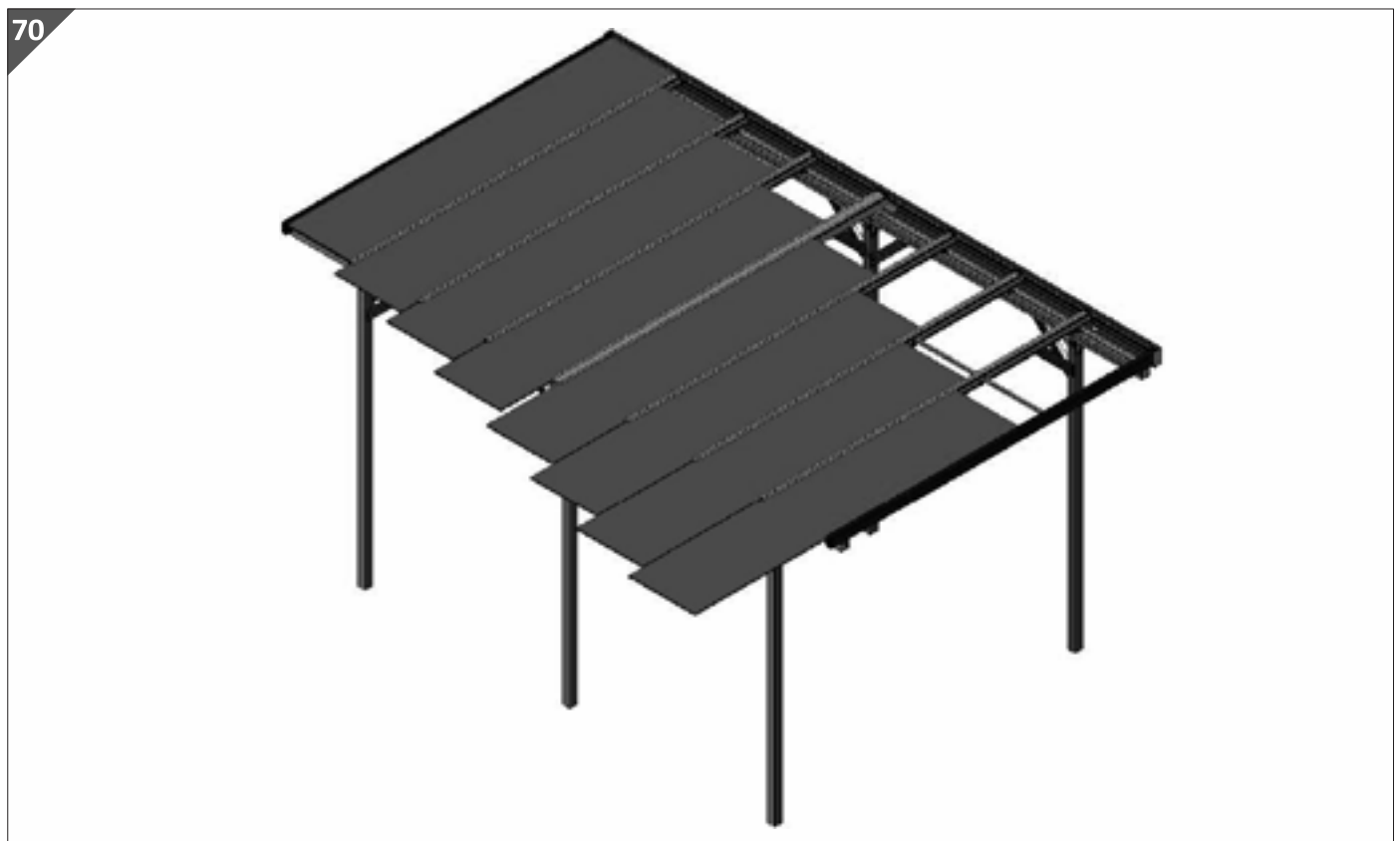
5. Screw the cross member cover caps and the inner cross members together using three 4.2×22 mm sheet metal screws **(27)**.



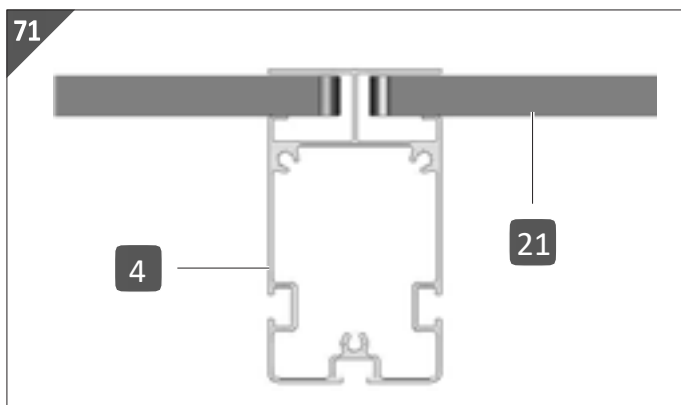
6. Place a coupling beam cover cap **(18)** on one end of the coupling bracket.

7. Screw the coupling bracket cover cap and the coupling bracket together using three 4.2×22 mm sheet metal screws **(27)**.

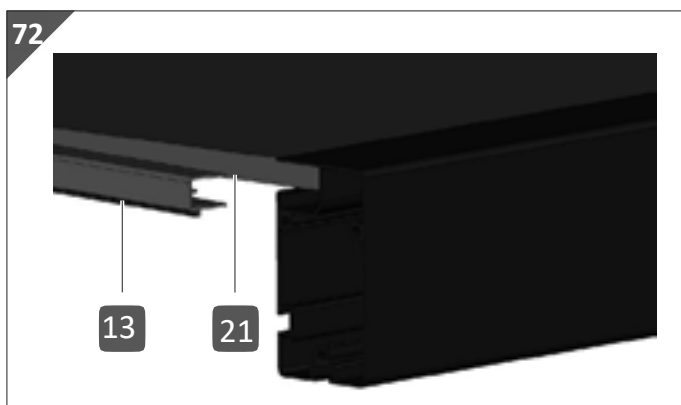
12 Inserting the double-web panels



In this step, the double-web panels are inserted into the corresponding grooves of the outer and inner cross beams and the coupling beam. The double-web panels will later form the roof of the product.



1. Insert the first double-web plate **(21)** between the front outer cross member **(3)** and the inner cross member **(4)**. Insert the double-web panel into the corresponding grooves of both cross beams, pushing the double-web panel in as far as it will go.
2. Repeat the above step with the remaining double-web panels, inserting panels between the following inner cross members, between the coupling beam and the surrounding inner cross members, and between the second outer cross member and the inner cross member in front of it (see **Fig. 71**).



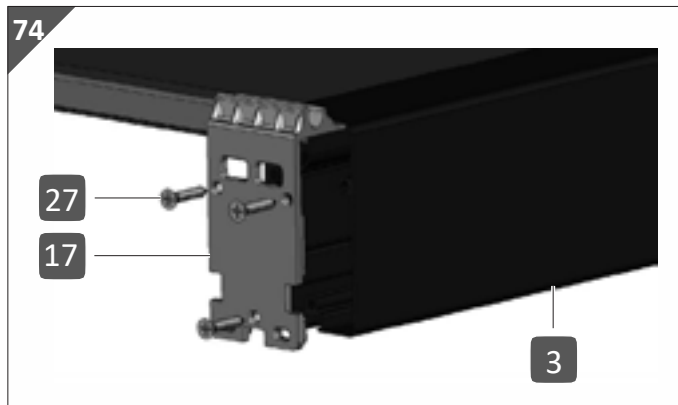
3. Insert a U-profile (13) onto each double-web panel on both long sides of the product. Ensure that the tongue of the U-profile is facing downwards.



The double-web panels are approximately 20 mm shorter than the cross beams, which gives the panels the necessary clearance for thermal expansion.

13 Attach cover caps to the other end of the beams

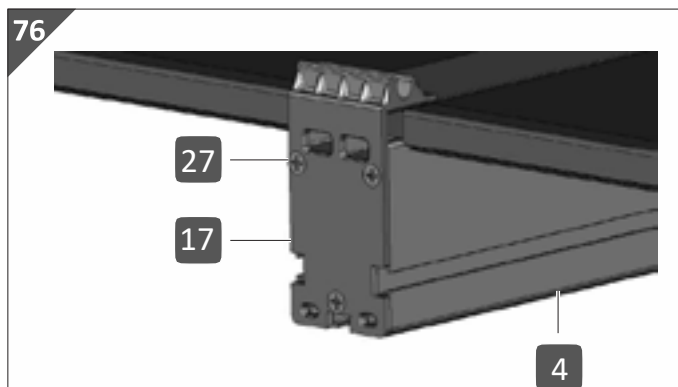
In this section, cover caps are fitted to the other end of the outer and inner cross beams and to the coupling beam.



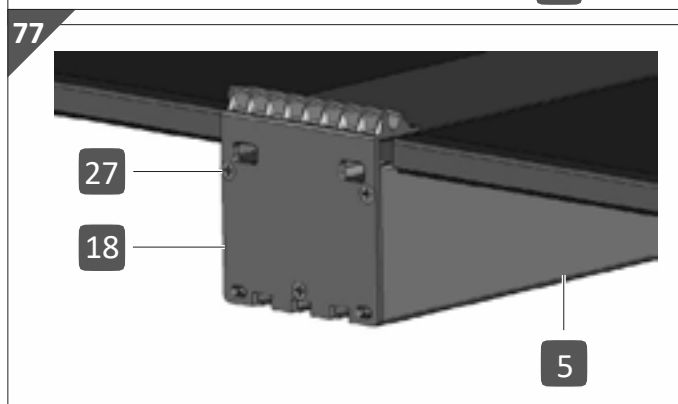
1. Place a cross beam cover cap **(17)** on the end of one of the outer cross beams **(3)** that does not yet have a cross beam cover cap.



2. Screw the cross-beam cover cap and the outer cross-beam together using three 4.2×22 mm sheet metal screws **(27)**.



3. Place a cross member cover cap **(17)** on the end of one of the inner cross members **(4)** that does not yet have a cross member cover cap.
4. Screw the cross member cover cap and the inner cross member together using three 4.2×22 mm sheet metal screws **(27)**.
5. Repeat the above steps for all remaining inner cross members.



6. Place the second coupling beam cover cap **(18)** on the end of the coupling beam **(5)** that does not yet have a coupling beam cover cap.
7. Screw the coupling beam cover cap and the coupling beam together using three 4.2×22 mm sheet metal screws **(27)**.

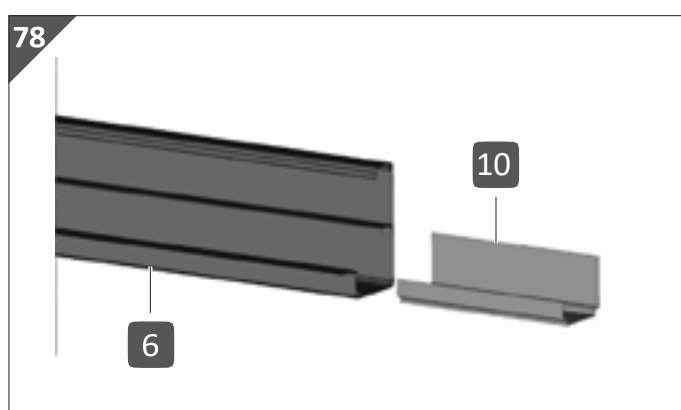
14 Assemble the rain gutters

In this section, the two rain gutters are assembled, with two rain gutter halves being connected to each other.

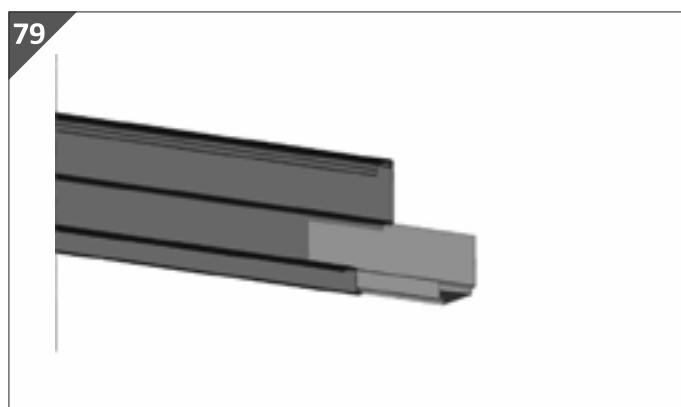
Before connecting the rain gutter halves, you must determine on which side of the product the respective rain gutter is to be mounted. The manufacturer recommends positioning the product so that it is slightly inclined towards one of the long sides to create a slope, allowing rainwater and condensation to run off to the side.

The left and right gutter halves each have an opening where the drain outlets are installed in step 17. These two halves are combined to form one of the rain gutters. It will later be attached to the lower side of the product so that rainwater or condensation running off the side, which flows into the rain gutter due to the side slope, can escape via the drain outlets.

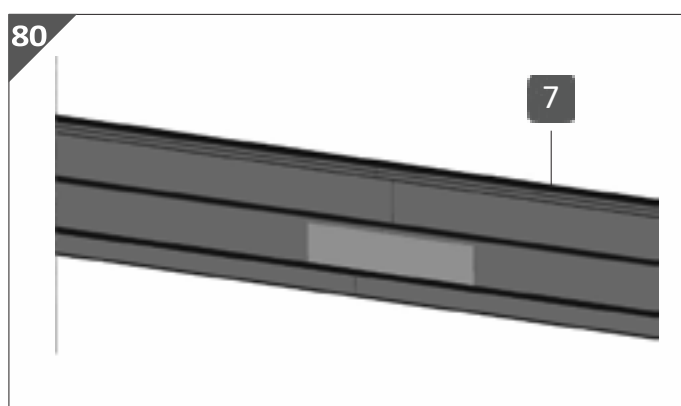
The second rain gutter is assembled from the two closed rain gutter halves. It will later be mounted on the slightly higher side of the product.



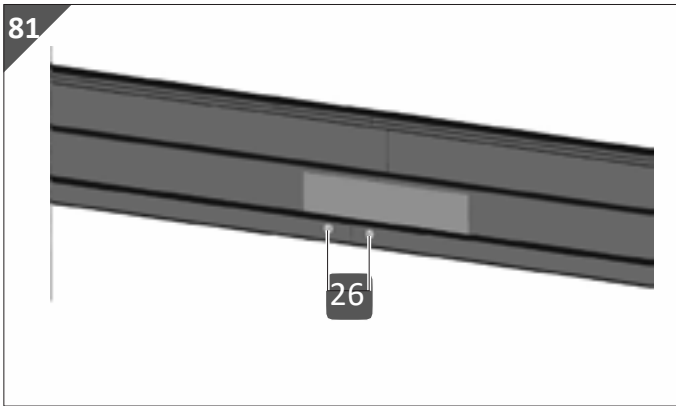
1. Have the left gutter half **(6)** and one of the gutter connectors **(10)** ready.



2. Push the gutter connector halfway into the left gutter half.



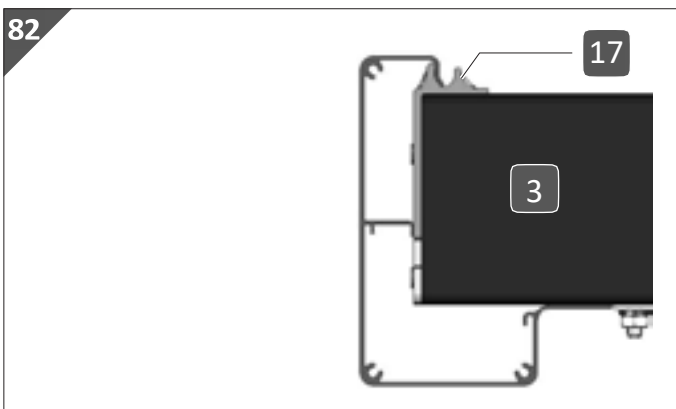
3. Next, slide the right-hand half of the rain gutter **(7)** onto the gutter connector.



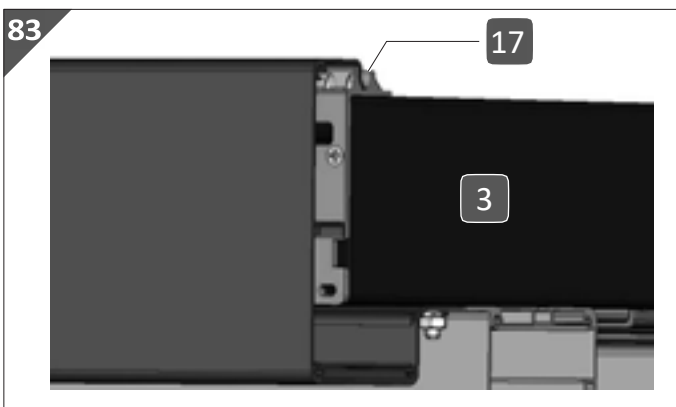
4. Screw the two gutter halves and the gutter connector together using two 4.8×13 mm self-tapping sheet metal screws **(26)**.
5. Repeat the above steps with the two closed gutter halves. **(6)/(7)** and the second gutter connector **(10)**.

15 Hanging and screwing the rain gutters

In this section, the rain gutters are hooked into the cover caps of the outer and inner cross beams and the coupling beam and screwed to the beams.



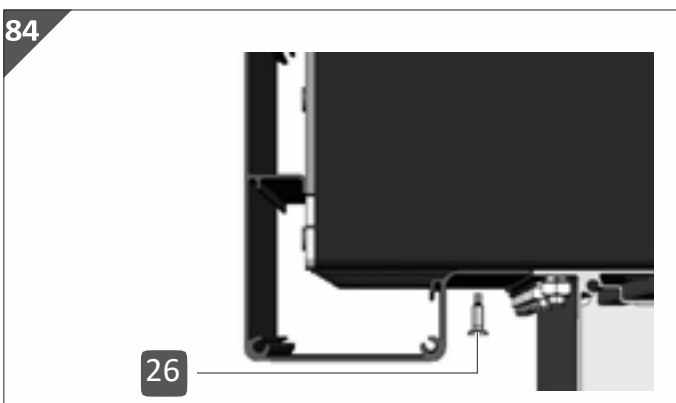
1. Hook the gutters into the cross-beam cover caps **(17)** and the coupling beam cover caps **(18)** as shown. When doing so, make sure that you hook the rain gutter with the openings for inserting the drain connections on the side of the product that will later be the slightly lower side. Also ensure that the rain gutters are correctly hooked into each cover cap and positioned correctly.



2. Align the rain gutters so that they are exactly flush with the outer cross members **(3)** and the cross-beam cover caps **(17)**.

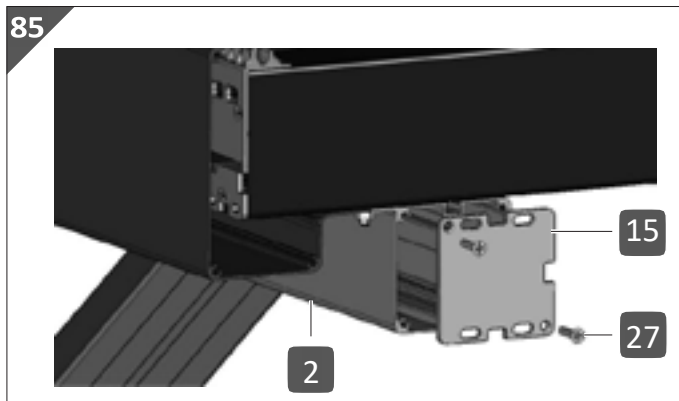


Ensure that the rain gutters are positioned exactly as described, as end caps will be fitted to the outer ends of the rain gutters later on.

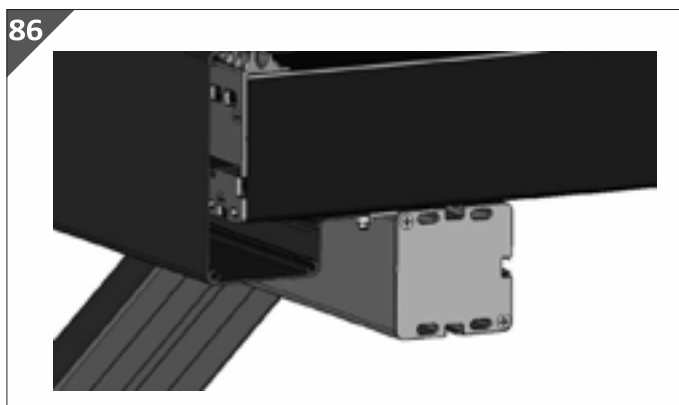


3. Press the first of the two rain gutters inwards and screw it to the first outer cross member. Use a 4.8×13 mm self-tapping sheet metal screw **(26)**.
4. Repeat the above step on each inner cross member, on the coupling beam and on the second outer cross member.
5. Secure the second rain gutter. Proceed as described in steps 3 and 4.

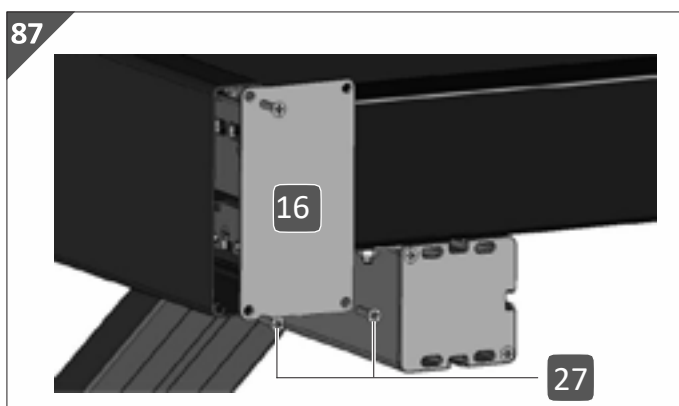
16 Attach the covers to the side rails and rain gutters



1. Place one of the longitudinal beam cover caps **(15)** on one end of one of the longitudinal beams **(2)**.



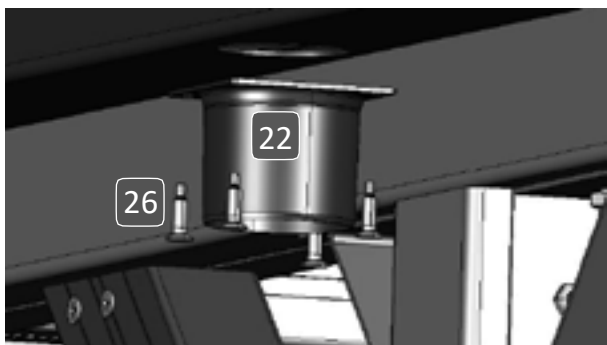
2. Screw the longitudinal beam cover to the longitudinal beam. Use two 4.2×22 mm sheet metal screws **(27)**.
3. Fit the remaining three side member covers to the other side member ends.



4. Fit a rain gutter cap **(16)** on one end of a rain gutter.
5. Screw the rain gutter cap to the rain gutter. Use three 4.2×22 mm sheet metal screws **(27)** for this.
6. Fit the remaining gutter caps to the other gutter ends.

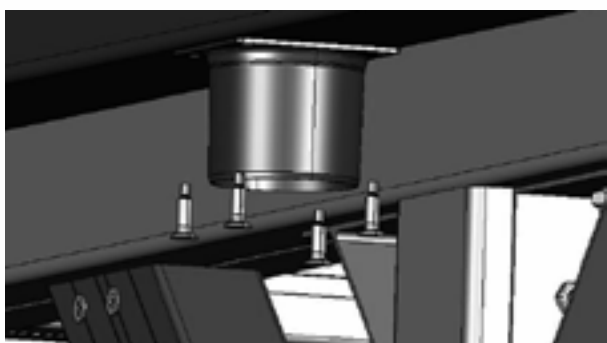
17 Attaching the drain outlets to the rain gutters

88



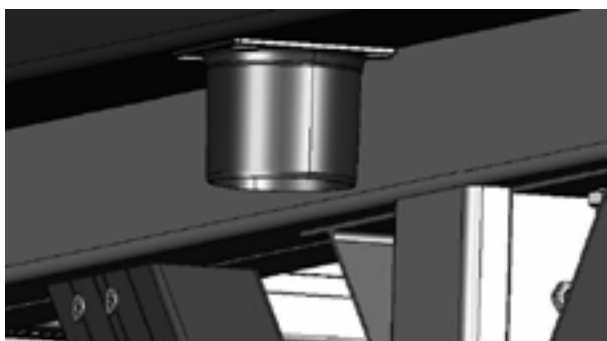
1. Take one of the drain outlets **(22)** and four 4.8×13 mm self-tapping sheet metal screws **(26)**.

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2. Place the drain connector on the designated outlet opening of one of the rain gutters. Make sure that the outlet of the drain connector is exactly flush with the opening of the rain gutter.

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3. Screw the drain connector to the rain gutter. Use the 4.8×13 mm self-tapping sheet metal screws for this.
4. When screwing, make sure that the drain connector does not slip.
5. Repeat the above steps with the second drain connector on the opening of the other gutter.



Drain pipes can be attached to the drain connections. These are not included in the scope of delivery.

The product is now fully assembled.

Cleaning

NOTE!

Risk of damage!

Improper handling of the product may result in damage to the product.

- Do not use aggressive cleaning agents, brushes with metal or nylon bristles, or sharp or metallic cleaning tools such as knives, hard spatulas and the like. These can damage the surfaces.
 - Do not use steam or high-pressure cleaners for cleaning. Otherwise, the product may be damaged.
1. Remove dirt with a slightly damp cloth and, if necessary, a mild cleaning agent.
 2. Then wipe the product dry with a lint-free cloth.

Maintenance

NOTE!

Risk of damage!

The product offers a large surface area for wind and storms to attack. Screw connections can quickly become loose as a result.

- After strong winds or storms, check that the multi-wall sheets are secure and that the screw connections are tight.
- Check every three to four months whether the screw connections of the product are still tight.
- After strong winds or storms, check that the multi-wall sheets are still in place and that the screw connections are secure.
- Do not strike the multi-wall sheets with hard objects when temperatures are below freezing.
- Clear snow and ice from the roof of the product during the winter months. (Caution! - The roof is not accessible!)
- Observe the building regulations applicable in your country.

Technical data

Model:	Carport Aluminium
Weight:	127 kg
Dimensions (H × W × D):	230 × 305 × 504 cm
Passage width:	267 cm
Clearance height:	220 cm
Max. roof load:	up to 200 kg/m ²
Item number aluminium natural:	701204
Item number anthracite:	701205

Disposal

Dispose of packaging



Dispose of the packaging separately. Dispose of cardboard and paper in the waste paper bin, and plastic film in the recycling bin.

Dispose of product

- Dispose of the product in accordance with the laws and regulations applicable in your country.

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