

Nova Hüppe

Q.bus® | Q.bus® SZ

Installation

Nova Hüppe GmbH
awnings. nordic. genuine

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nova hüppe
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The awning may only be installed in accordance with these instructions and the associated documents. Steps which apply only for a certain type of awning are described or identified as such at the corresponding points.

Pass these instructions on to the user.



This symbol indicates hazards.



This symbol identifies important notes.

SAFETY INSTRUCTIONS

Awnings offer protection from the sun and can operate in wind up to strength 5 (8m/s). Retract awnings where the wind is stronger and during rain. Improper conversion or amendments are not permitted!

Store the awning components safely. Observe the manufacturer's directives regarding materials for wall plugs and fixings!

Installation may only be carried out by qualified personnel with relevant installation experience.

Observe the trade association directives on accident prevention! Ensure that existing electrical connections are disconnected from the mains power supply during installation! Block the installation site off generously!



Please note our accompanying document:

Nova Hüppe | Safety instructions for the installation and operation.

BEFORE INSTALLATION

Delivery does not include fixings!

Have the following ready for the installation:

- Checking cable for electric motor
- Tools including:
 - Allen key, size 4 mm
 - Open-ended wrench
 - Phillips screwdriver
 - Spirit level
 - Measuring tape

CHECK DELIVERY

Only remove protective sleeves and transport fixings at the relevant installation step! Dispose of packaging material in an appropriate manner. Check delivery for completeness. In the event of any transport damage, notify your retailer immediately!



Do not install damaged equipment!

CHECK THE INSTALLATION LOCATION

Does the information in the drawings for a property-based installation match the conditions on-site? Is there enough space on-site?



If you find any discrepancies, please contact your retailer.

CHECK THE INSTALLATION LOCATION (ELECTRICS)

Have the electrical connections been prepared? If the connection lines have not yet been fed to the outside, show the end-customer the position of the necessary connections.

➤ **Risk of fatal injury! 230V electrical connections may only be laid by specialist personnel!**

INSTALLATION

Follow these installation steps:

- Mark the position of the fixing points for wall assembly or base plate
- Mount the bearer profile
- Mount the horizontal awning and connect to the vertical awning

If necessary:

- Set the electrical motor

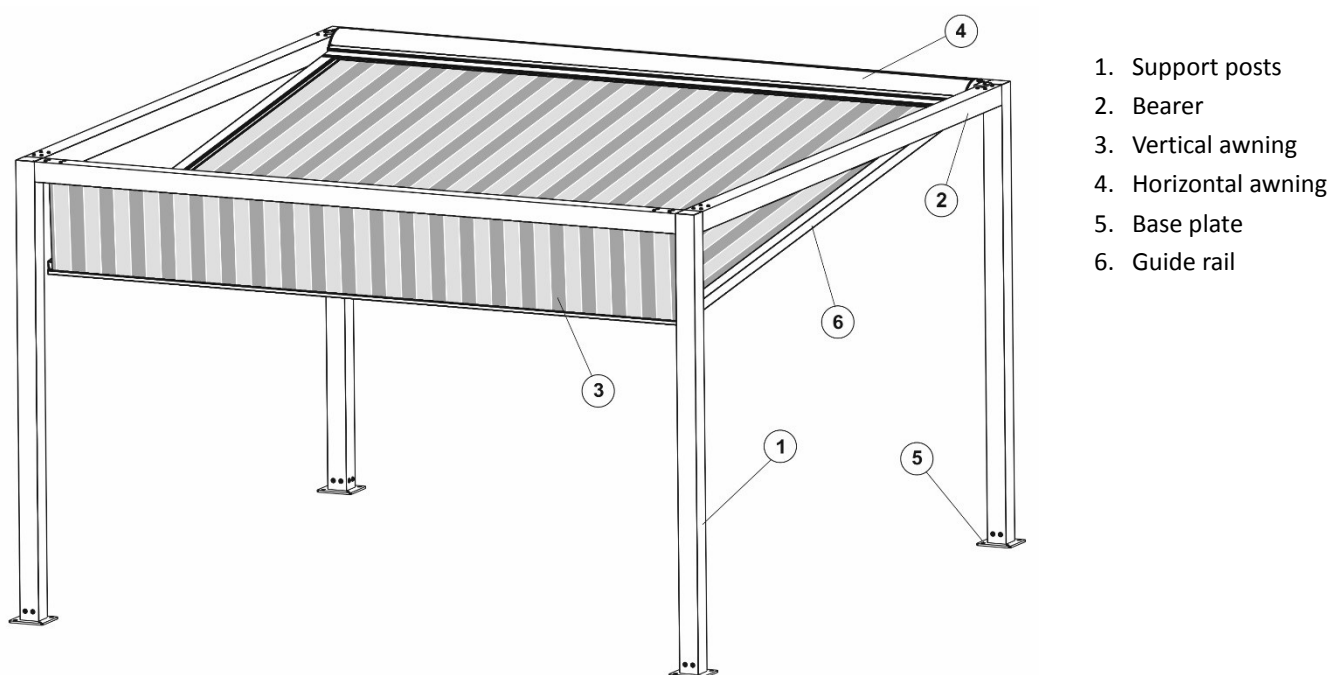
Check function:

- Carry out a test run
- Check function of operating elements or control unit

Installation is done principally in accordance with these steps.

Due to local conditions or property-related installation, deviation is possible when a different sequence of individual steps seems more favourable. The aim must always be to achieve a visually flawless impression.

COMPONENTS OVERVIEW



WALL FITTING

Before positioning the awning, check that the substrate is suitable for attaching the system. If required, ask a qualified builder to assess the situation. Ensure there is adequate fixing material to position on the ground, or that a foundation is available. Check local building regulations before installation.

POSITION OF WALL INSTALLATION PLATES

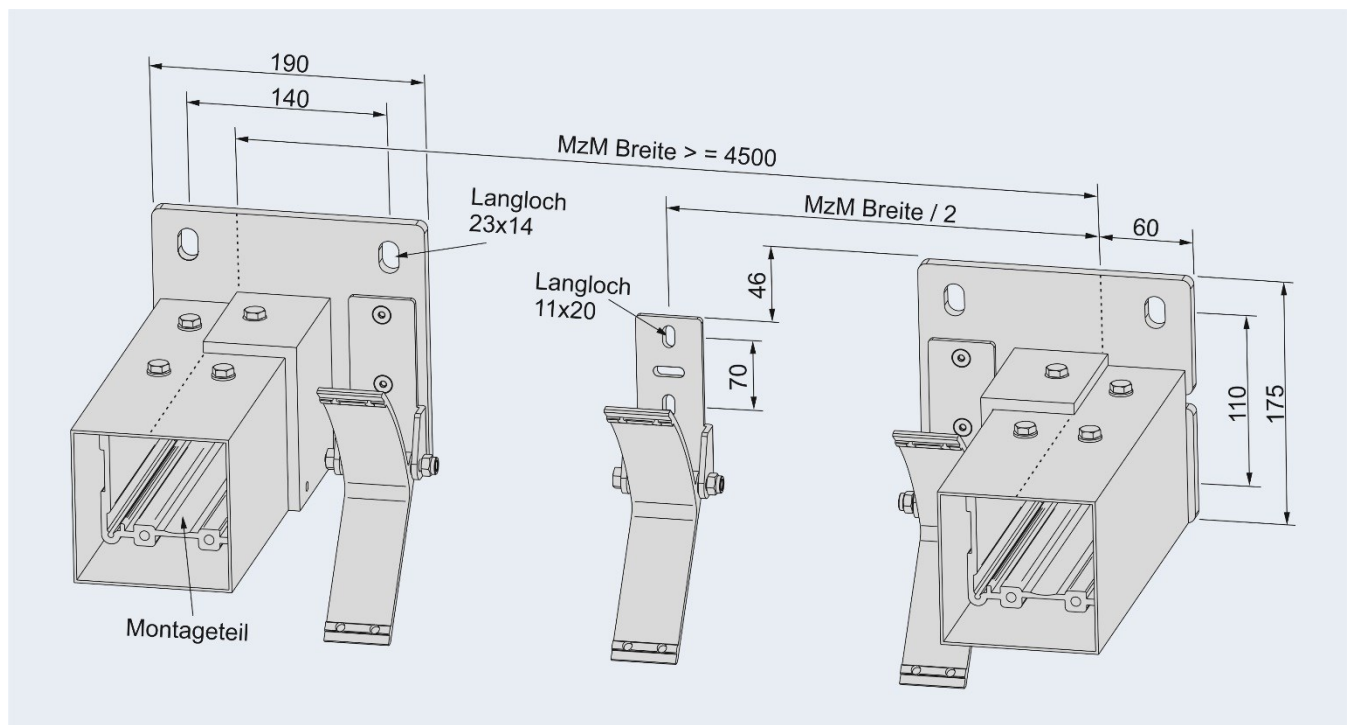
On the wall, measure out the positions of the wall installation plates as per the drawing (width MtoM = bearer middle to bearer middle) and drill holes for the fixings. Ensure that the protruding part of the installation plate is facing inwards.

The wall installation plates have long holes with 14 mm width. Attach the wall installation plates to the mounting parts with the M8 x 25 countersunk bolts. The mounting parts are screwed into the bearers. For this, unscrew the four countersunk screws and remove the installation component.

Note the position of the installation component, the relevant holes on the installation component are 50 mm from the outer edge (see also page 8)

Mount the wall mounting plates and the mounting bracket on the wall and align these with each other.

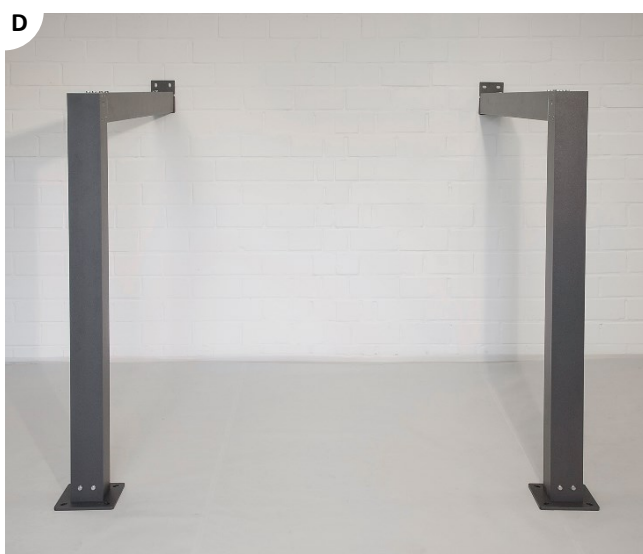
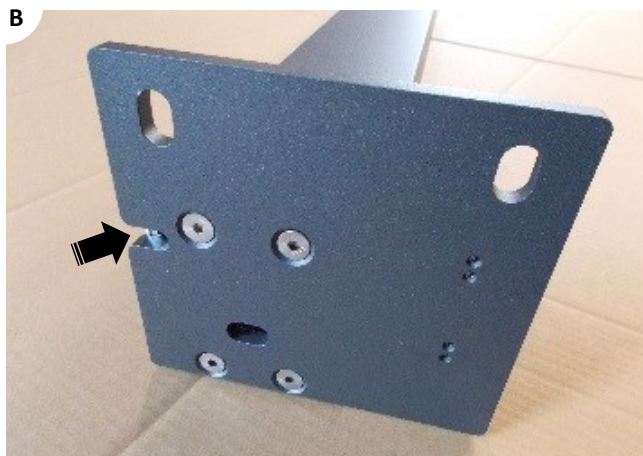
The position can be corrected slightly by moving within the long holes.



POSITION OF SUPPORT POSTS

Measure out the position of the support posts on the ground. Depending on the local situation, there are various options for installation on the ground. These instructions assume **installation on a foundation on-site**.

ASSEMBLY AND SETUP



Mount the base plates (Fig. A) each with 4 countersunk screws M8 x 25 to the front support posts left and right. The profiles have stickers to help orientation. Take the screws out of the screw box.

Push the bearers onto the mounting parts of the support posts to create a corner. Screw the connection together with hex bolts M8 x 20 (Fig. D).

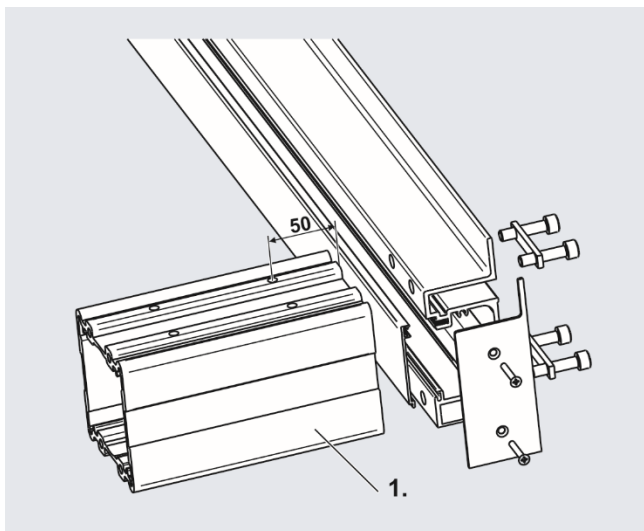
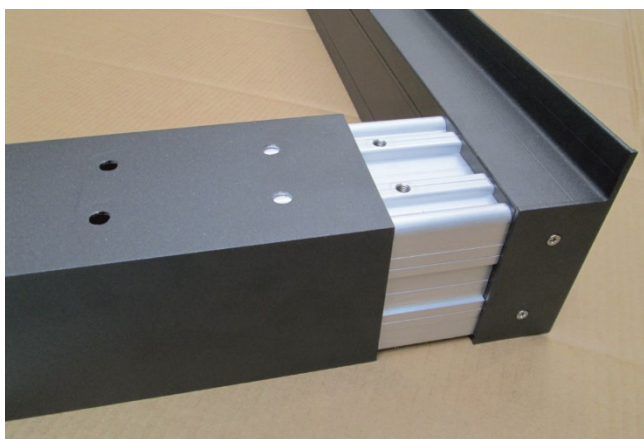
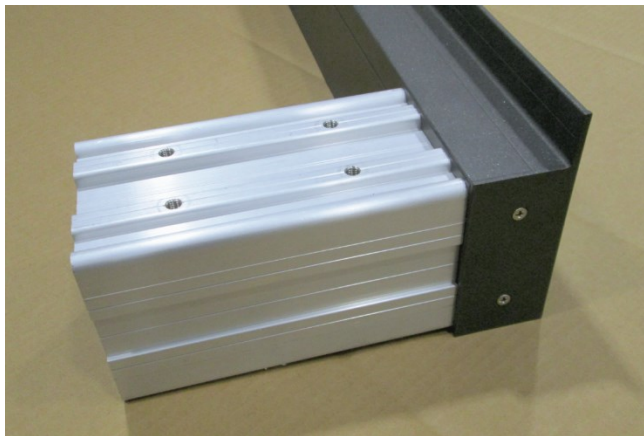
- **Ensure that an operating cable for the front vertical awning is pulled into one of the two bearers (Fig B).**

Push the assembled corner construction onto the wall mounting plate which is attached to the wall. Ensure that the operating cable is fed through the cutout in the wall mounting plate (Fig. B)

Attach the bearer profile to the upper side with the two outer hex bolts M8 v 20 and the front inner screw (Fig C). The other two (left and right) screws M8 x 30 are not fitted until the horizontal awning is mounted.

- **The base plates on the support posts are not yet screwed to the foundation socket (Fig D).**

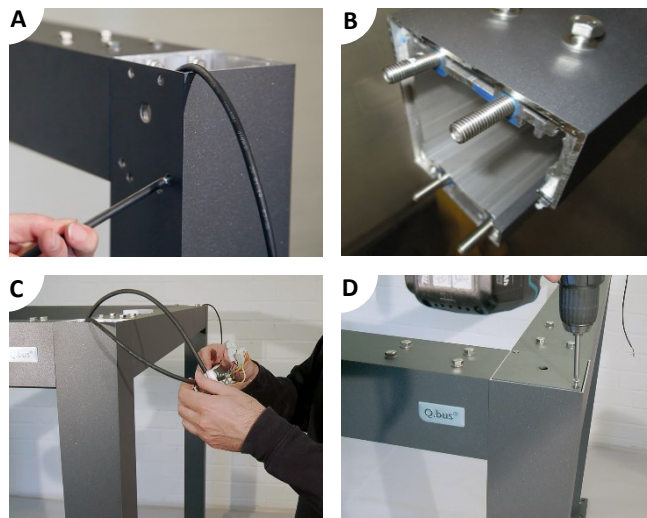
WALL INSTALLATION PROFILE (OPTIONAL)



Installation holes must be drilled on-site, 100 mm to max. 500 mm from each outer edge on the upper bar and in the middle area, other fixing points depending on the length of the awning. The full-length frame profile also acts a cable channel, which is closed off by a cover panel (included).

- **Ensure the profile lies flat against the wall.**
- **Attach the cover panel before installing the horizontal awning**
- **The holes on the mounting part (1.) are different distances from the outer edge.**
Ensure that the end where the holes are 50 mm apart is screwed to the wall mounting profile.

FITTING THE VERTICAL AWNING



Lift the front bearers between the two front support posts and insert the winding rod into the holes. Threaded pins fitted in the factory make installation easier!

The motor cable must be guided through the front hole in the support post (Fig. A).

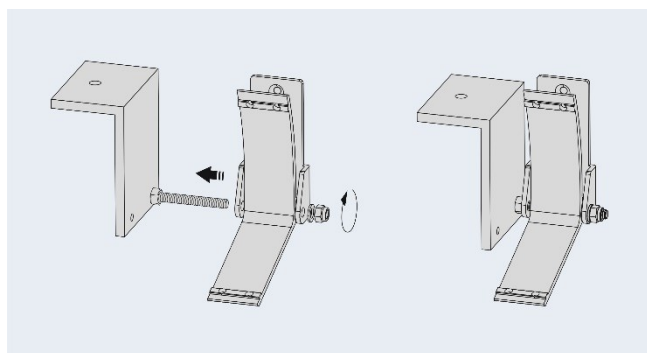
Finally, attach the front bearer with one M8 nut per threaded bolt (Fig. B).

Connect the cables with the junction box for the front motor and feed the cable into the support post (Fig. C). Mount the covers on the support posts with self-tapping screws 4.2 x 32 (Fig. D). Close off the holes not needed in the end cover with a blanking plug from the screw box.

Use a spirit level and measuring tape to ensure the Q.bus is **square and straight**. Then measure out the system diagonally. Set the exact height of the support posts.

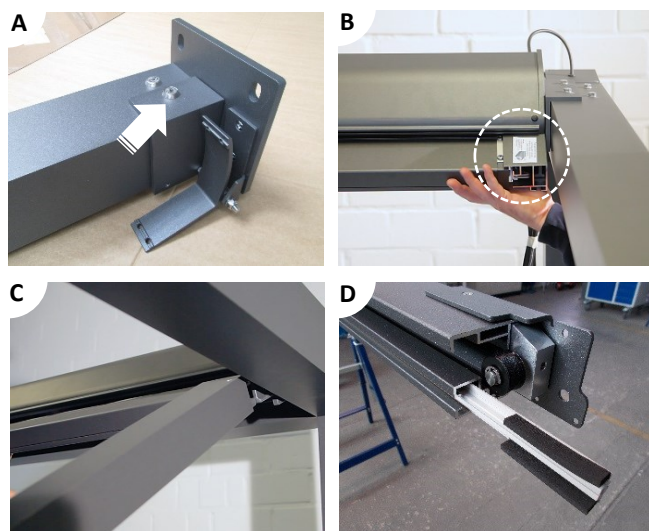
Then attach the base plates to the foundation sockets with suitable fixings.

FITTING THE FIXING CONSOLE WITH FITTING BRACKET



Now finish off the mounting bracket and the attachment console with the box clamp on the box. Secure the mounting bracket with a hex bolt M8 as per the drawing. The nut can now be hand tightened.

FITTING THE HORIZONTAL AWNING WITH SZ SYSTEM



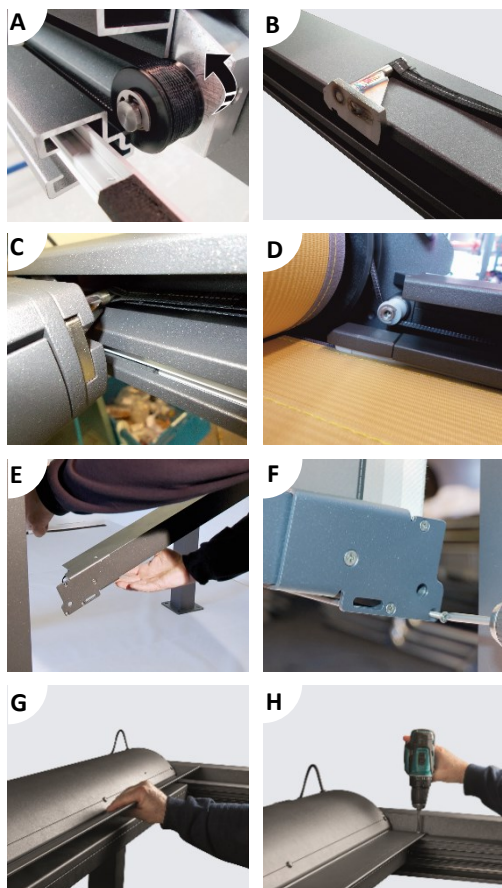
Then mount the horizontal awning on the bearers by screwing the hex bolts M8 x 30 on the inner side (Fig. A). Finally attach the mounting bracket on the wall mounting plate or the middle of the facade.

- From a width of 4500 mm, the mounting bracket must be positioned in the middle!
- Remove the short guide rail profiles. These are only needed to secure the system during transport. (Fig. B).

Push the guide rails onto the side bearings (Fig. C) and place these briefly onto a suitable surface (e.g. cardboard) on the ground. Ensure that the SZ system rails protrude around 100 mm before the system is tensioned (D), then feed these carefully into the guide rails and attach to the outer side of the horizontal awning with hex bolts M5 x 10. Bring the motor cable and the vertical awning cable inwards through the wall to the power supply on site.

- Ensure that the cable of the horizontal awning is long enough, determined by the depression.

PULL BELT GUIDE AND TENSIONING SYSTEM



Guide the pull belt inside the guide rails **from below** over the lower connecting roller back to the front profile (Fig. A) and place the eyelet over the pull hook (Fig. B). Push the pull hook into the intended channel on the front profile to the stop (Fig. C), the snap fastener here makes a clear snapping sound. Finally guide the SZ rail into the zip fastener on the curtain the pull belt tension should be approx 200 mm - 600 mm.

- It is important to tension both sides equally!
- Take care with the pull belt (not twisted or over the upper roller (Fig. D)!
- Make sure the pull hook cannot be released accidentally by screwing in the threaded pin.

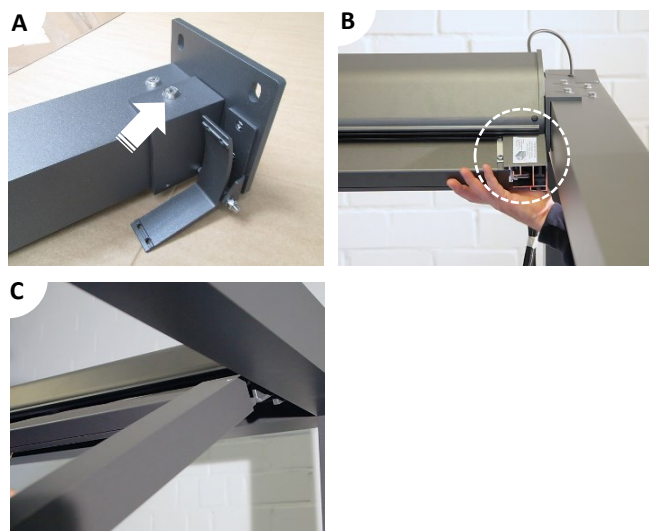
Extend the front vertical awning and lift the guide rails to the front profile (Fig. E). Attach the front profile to the end caps on the guide rails with three self-tapping screws 4.2 x 32 per side (Fig. F).

- **Caution: Take care when retracting the vertical awning. Note the distance on the sides to the support posts - danger of collision!**

Then mount the roof extension to the box roof on the horizontal awning (Fig. G+H).

- **Caution: 4.2 x 19 drill screws are used for attachment, which may be screwed in a maximum of 10 mm from the outer side of the end cap. Otherwise the pull belt can be damaged under certain circumstances!**

FITTING THE HORIZONTAL AWNING WITHOUT SZ SYSTEM



Then mount the horizontal awning on the bearers by screwing the hex bolts M8 x 30 on the inner side (Fig. A). Finally attach the mounting bracket on the wall mounting plate or the middle of the facade.

- **From a width of 4500 mm, the mounting bracket must be positioned in the middle!**
- **Remove the short guide rail profiles. These are only needed to secure the system during transport. (Fig. B).**

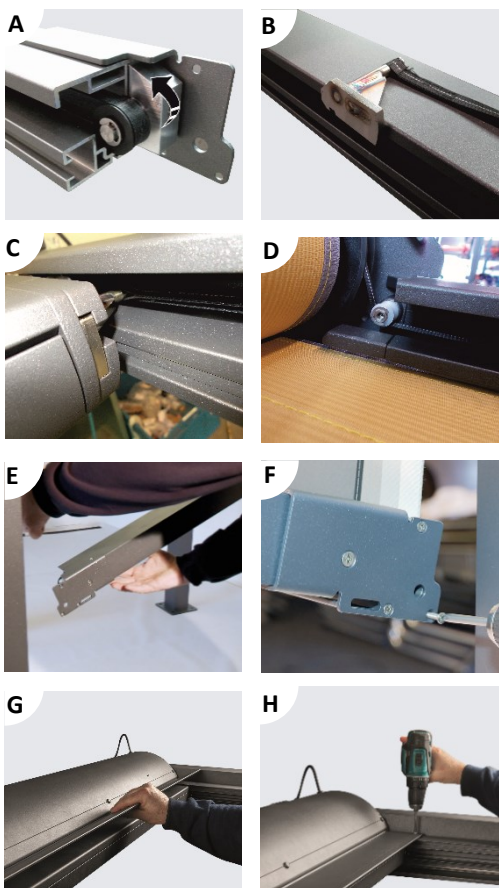
Push the guide rails onto the side bearings (Fig. C) and place these briefly onto a suitable surface (e.g. cardboard) on the ground.

Attach the guide rails to the outer side of the horizontal awning with countersunk screws M5 x 10.

Bring the motor cable and the vertical awning cable inwards through the wall to the power supply on site.

- **Ensure that the cable of the . horizontal awning is long enough, determined by the depression.**

PULL BELT GUIDE AND TENSIONING SYSTEM



Guide the pull belt inside the guide rails **from below** over the lower connecting roller back to the front profile (Fig. A) and place the eyelet over the pull hook (Fig. B). Push the pull hook into the intended channel on the front profile to the stop (Fig. C), the snap fastener here makes a clear snapping sound. The pull belt tension should be approx 200 mm - 600 mm.

- **It is important to tension both sides equally!**
- **Take care with the pull belt (not twisted or over the upper roller (Fig. D)!**
- **Make sure the pull hook cannot be released accidentally by screwing in the threaded pin.**

Extend the front vertical awning and lift the guide rails to the front profile (Fig. E). Attach the front profile to the end caps on the guide rails with three self-tapping screws 4.2 x 32 per side (Fig. F).

- **Caution: Take care when retracting the vertical awning. Note the distance on the sides to the support posts - danger of collision!**

Then mount the roof extension to the box roof on the horizontal awning (Fig. G+H).

- **Caution: 4.2 x 19 drill screws are used for attachment, which may be screwed in a maximum of 10 mm from the outer side of the end cap. Otherwise the pull belt can be damaged under certain circumstances!**

FUNCTIONAL TEST

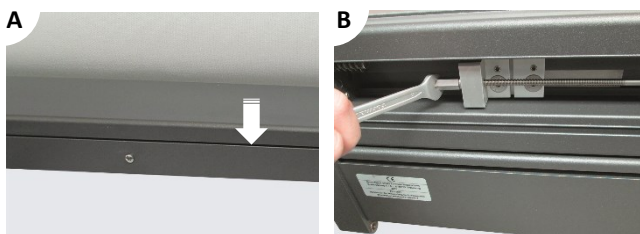
The motor end points are already set in the factory. If required, these can be changed using a motor setting cable (see separate instructions for motors) or using a handheld radio transmitter as per the setting instructions.

Check that all screws on the Q.bus® or Q.bus SZ are tight.

Check the pull belt tension again, and also that the motors switch off properly, and the curtains hang and run properly. The Q.bus® or the Q.bus SZ is now ready for operation.

- **Give the final user the accompanying operating instructions (document pack with all documents, including handover log).**
Give a full explanation of all safety and usage instructions for awnings and sun protection systems.

TENSION SYSTEM IN FRONT PROFILE (WHERE REQUIRED) (FROM MTOM > 4500 MM)



In the factory, the front profile on the horizontal awning is set with the ideal tension system to prevent warping. If required, warping of the profile can be re-adjusted on-site. The following steps are required:

Dismantle the cover profile. To do this, unscrew the self-tapping screws on the end, left and right. Then lift the cover profile out of the front profile using an appropriate tool - ensure it does not fall out! (Fig. A)

Now relieve the front profile by lifting it slightly. Turn the tensioning nut clockwise to increase the tension in the system. (Fig. B). Relieve the system and check whether the front profile has practically no warping.

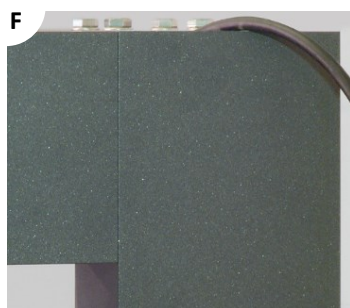
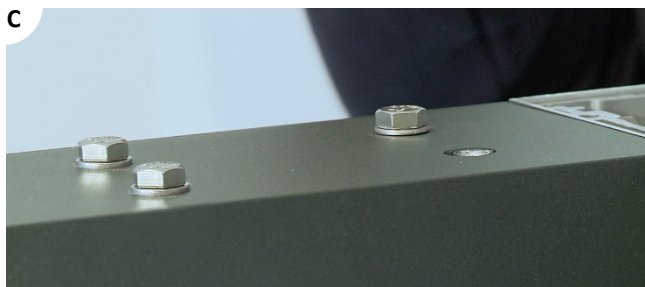
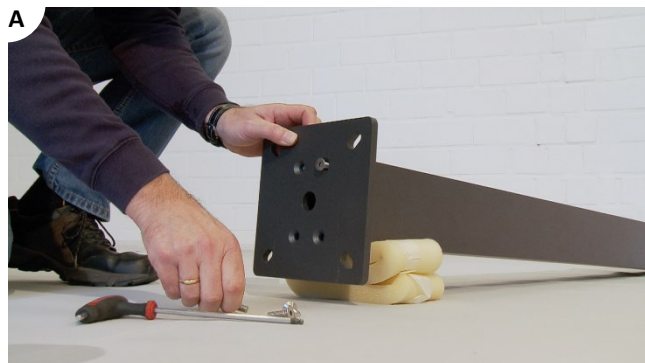
- **Ensure that the front profile is not warped upwards after the tensioning process, otherwise it may collide with the box roof.**

Then re-mount the cover profile.

FREESTANDING INSTALLATION

These instructions assume **installation on a foundation on-site**.

ASSEMBLY AND SETUP



Attach the base plates (included) to all support posts with 4 countersunk screws M8 x 25 each. Take the screws out of the screw box (Fig. A).

Mount the two rear support posts with the cross bearer to a gate element (Fig. B). Now place the right or left bearer (depending on the operational side of the vertical awning) on the mounting parts and screw it in tightly with the two outer screws and the front inner screw M8 x 20 (fig. C). The inner screw hole is for the horizontal awning.

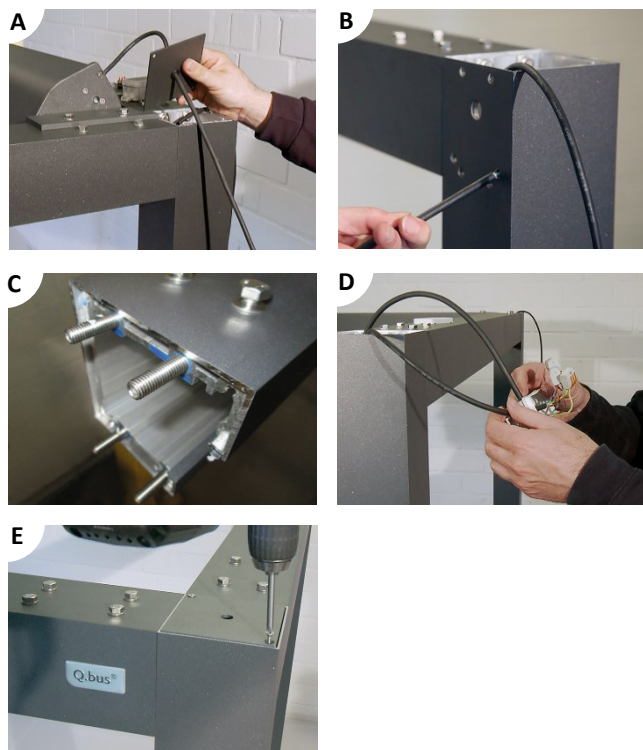
➤ **Ensure that the operating cable for the front vertical awning is pulled into a bearer (Fig D).**

Erect the element using two people, and mount the front support.

Then assemble the last bearer and support posts to make a corner and mount it on the upper mounting part (Fig. E).

Hold the profiles flat together so there is not a gap between the profiles! (Fig. F).

FITTING THE VERTICAL AWNING



Depending on the motor position, a junction box has to be fitted in one of the rear support posts for connection to the power supply on site (Fig. A). The cable can be fed through the support post from below or directly from above through the cover plate.

Position the frame on the corresponding foundation socket and align it with itself.

➤ **Do not attach the support posts to the foundation sockets yet.**

Lift the front bearers between the two front support posts and insert the winding rod into the holes. Threaded pins fitted in the factory make installation easier!

The motor cable must be guided through the front hole in the support post (Fig. B).

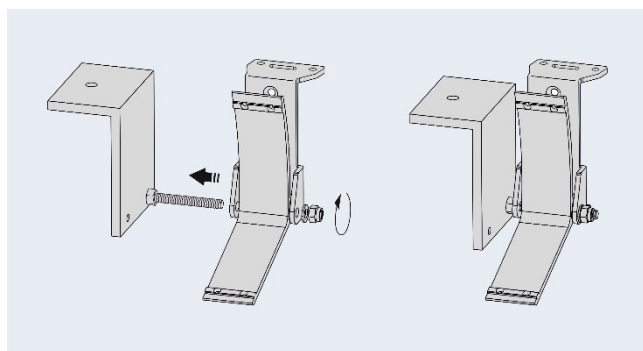
Finally, attach the front bearer with one M8 nut per threaded bolt (Fig. C).

Connect the two cables and guide these into the support posts (Fig. D).

Use a spirit level and measuring tape to ensure the Q.bus is square and straight. Then measure out the system diagonally. Set the exact height of the support posts.

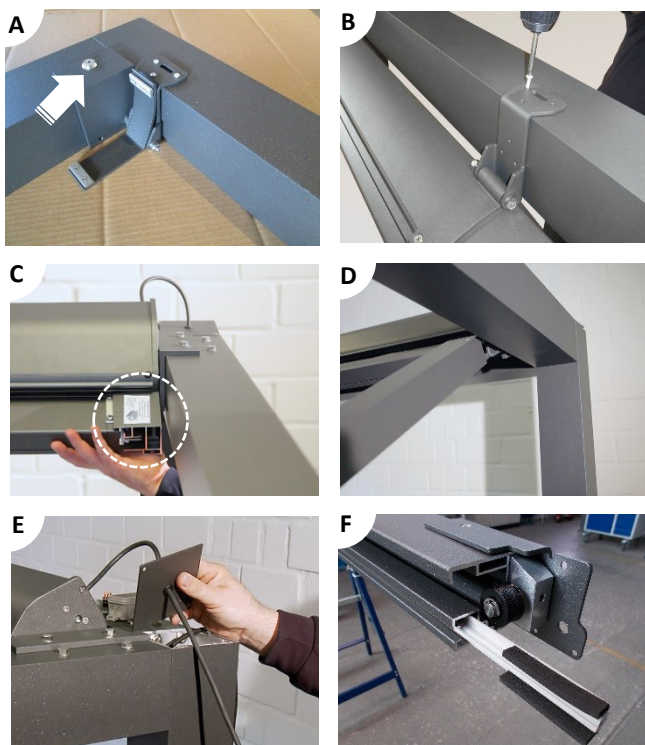
Then attach the base plates to the foundation sockets with suitable fixings. Mount the cover caps on the support posts with the self-tapping screws 4.2 x 32 (Fig. E). **Leave the post with the junction box open so the horizontal awning can be attached to it.**

FITTING THE FIXING CONSOLE WITH FITTING BRACKET



Now finish off the mounting bracket and the attachment console with the box clamp on the box. Secure the mounting bracket with a hex bolt M8 as per the drawing. The nut can now be hand tightened.

FITTING THE HORIZONTAL AWNING WITH SZ SYSTEM



Then mount the horizontal awning on the bearers by screwing the hex bolts M8 x 30 on the inner side (Fig. A). Now attach the fitting bracket, whereby the middle fitting bracket is screwed to the rear bearer with to drill screws 4.2 x 19 (Fig. B).

➤ **Remove the short guide rail profiles. These are only needed to secure the system during transport. (Fig. C).**

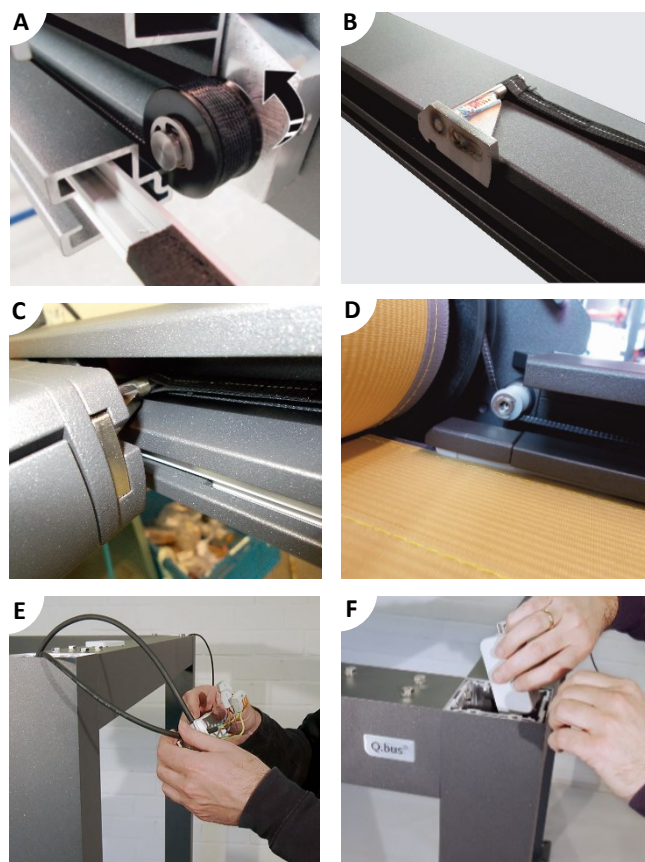
Push the guide rails onto the side bearings (Fig. D) and place these briefly onto a suitable surface (e.g. cardboard) on the ground.

Guide the motor cable through the hole with a protective sleeve (Fig. E).

Ensure that the SZ system rails protrude around 100 mm before the system is tensioned (Fig. F), then guide these carefully into the guide rails, and attach to the outer side of the horizontal awning with countersunk screws M5 x 10.

➤ **Ensure that the cable of the horizontal awning is long enough, determined by the depression.**

PULL BELT GUIDE AND TENSIONING SYSTEM



Guide the pull belt inside the guide rails **from below** over the lower connecting roller back to the front profile (Fig. A) and place the eyelet over the pull hook (Fig. B). Push the pull hook into the intended channel on the front profile to the stop (Fig. C), the snap fastener here makes a clear snapping sound. Ensure that the curtain zip edge is fed through evenly. The pull belt tension should be approx 200 mm to 600 mm.

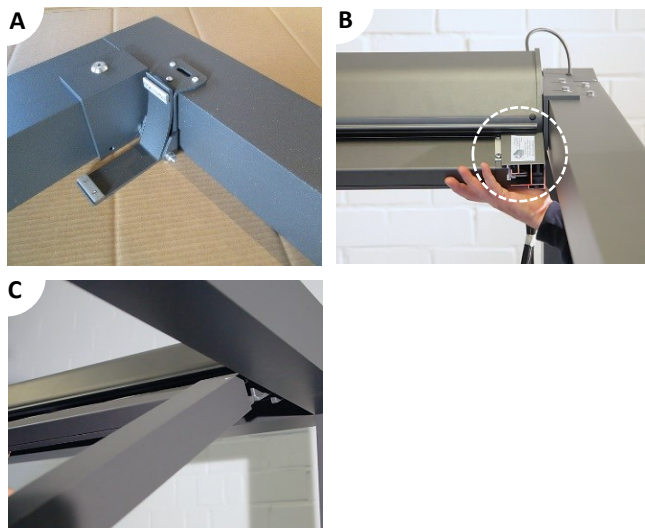
➤ **It is important to tension both sides equally!**

➤ **Ensure that the pull belt always runs evenly over the guide rollers (not twisted) - (Fig. D)!**

Then clamp the cable to the cable on the front vertical awning, or to the power supply in the junction box (Fig. E). Put the junction box into the support box and attach the cover flap onto the support post (Fig. F).

Continues on page 16

FITTING THE HORIZONTAL AWNING WITHOUT SZ SYSTEM



Then mount the horizontal awning on the bearers by screwing the hex bolts M8 x 30 on the inner side (Fig. A). Finally attach the mounting bracket on the wall mounting plate or the middle of the facade.

- **From a width of 4500 mm, the mounting bracket must be positioned in the middle!**
- **Remove the short guide rail profiles. These are only needed to secure the system during transport. (Fig. B).**

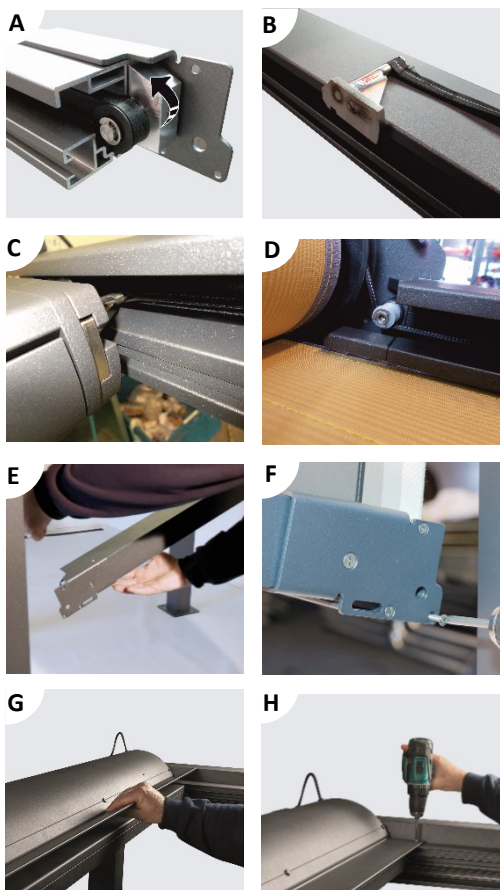
Push the guide rails onto the side bearings (Fig. C) and place these briefly onto a suitable surface (e.g. cardboard) on the ground.

Attach the guide rails to the outer side of the horizontal awning with countersunk screws M5 x 10.

Bring the motor cable and the vertical awning cable inwards through the wall to the power supply on site.

- **Ensure that the cable of the . horizontal awning is long enough, determined by the depression.**

PULL BELT GUIDE AND TENSIONING SYSTEM



Guide the pull belt inside the guide rails **from below** over the lower connecting roller back to the front profile (Fig. A) and place the eyelet over the pull hook (Fig. B). Push the pull hook into the intended channel on the front profile to the stop (Fig. C), the snap fastener here makes a clear snapping sound. The pull belt tension should be approx 200 mm - 600 mm.

- **It is important to tension both sides equally!**
- **Take care with the pull belt (not twisted or over the upper roller (Fig. D)!**
- **Make sure the pull hook cannot be released accidentally by screwing in the threaded pin.**

Extend the front vertical awning and lift the guide rails to the front profile (Fig. E). Attach the front profile to the end caps on the guide rails with three self-tapping screws 4.2 x 32 per side (Fig. F).

- **Caution: Take care when retracting the vertical awning. Note the distance on the sides to the support posts - danger of collision!**

Then mount the roof extension to the box roof on the horizontal awning (Fig. G+H).

- **Caution: 4.2 x 19 drill screws are used for attachment, which may be screwed in a maximum of 10 mm from the outer side of the end cap. Otherwise the pull belt can be damaged under certain circumstances!**

FUNCTIONAL TEST

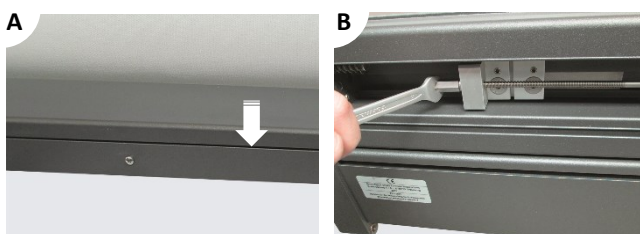
The motor end points are already set in the factory. If required, these can be changed using a motor setting cable (see separate instructions for motors) or using a handheld radio transmitter as per the setting instructions.

Check that all screws on the Q.bus® or Q.bus SZ are tight.

Check the pull belt tension again, and also that the motors switch off properly, and the curtains hang and run properly. The Q.bus® or the Q.bus SZ is now ready for operation.

- **Give the final user the accompanying operating instructions (document pack with all documents, including handover log).**
Give a full explanation of all safety and usage instructions for awnings and sun protection systems.

TENSION SYSTEM IN FRONT PROFILE (WHERE REQUIRED) (FROM MTOM > 4500 MM)



In the factory, the front profile on the horizontal awning is set with the ideal tension system to prevent warping. If required, warping of the profile can be re-adjusted on-site. The following steps are required:

Dismantle the cover profile. To do this, unscrew the self-tapping screws on the end, left and right. Then lift the cover profile out of the front profile using an appropriate tool - ensure it does not fall out! (Fig. A)

Now relieve the front profile by lifting it slightly. Turn the tensioning nut clockwise to increase the tension in the system. (Fig. B). Relieve the system and check whether the front profile has practically no warping.

- **Ensure that the front profile is not warped upwards after the tensioning process, otherwise it may collide with the box roof.**

Then re-mount the cover profile.

ADDITIONS / EXTENSIONS

MULTIPLE UNIT SYSTEM, ADDITION RIGHT / LEFT



With a multiple unit system, setup is the same as a single unit system, however, some differences should be noted:

The middle support posts should be fitted with punched holes on three sides. The middle punch hole must always face inwards (front support / rear support).

A mounting part is fitted to the middle of the front support. Two are built onto the rear support mounting part, whereby the third mounting part has to be screwed on afterwards.

The wall mounting plate (Fig. A) is placed in the middle with multiple unit systems (only for wall mounting).

➤ **Caution: It is imperative that the power supply for the vertical awning is laid through the bearer or support posts.**

TROUBLESHOOTING

PROBLEM	CAUSE	RESOLUTION
... the front profile of the horizontal awning does not run straight into the awning box	The awning was not adjusted diagonally during installation.	Measure the width and diagonal and align the frame accordingly.
... the front profile of the horizontal awning does not run straight into the awning box on the right	The pull belt on the right hand side is too tight.	Check the pull belt tension. Unwind the pull belt from the belt disc by one turn.
	The tension on the left hand side is too low.	Check the pull belt tension. Wind the pull strap on the belt disc one more turn.
... the curtain on the horizontal awning is sagging	The pull belt tension is too low on one or both sides.	Check the pull belt tension. Wind the pull straps on the belt discs one more turn.
	The end point of the motor is not set correctly, the front profile extends out too far.	Readjust the end point of the motor as per the supplied adjustment instructions.

FOR YOUR NOTES

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