

AMALFI



CARAVITA®

Assembly and operating instructions

1 Foreword

Foreword

We are pleased that you have chosen our product. By purchasing a CARAVITA product, you have chosen quality made from the best materials and designed to meet the highest standards.

Read the instructions in this document carefully to set up the product safely. Always observe the safety instructions listed and do not perform any unauthorised modifications to the product.

Imprint

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2 Introduction

2.1 Safety instructions

It is important for the safety of persons to follow the instructions. Failure to observe the instructions may result in personal injury and/or damage to property when using the product. Failure to do so releases the user from liability.



Warnings are labelled with this or a similar symbol in the instructions.



- Read the instructions before installing and using the product!
- Observe the safety, setting, operating and maintenance instructions!
- When passing on the product, give the instructions to the new owner!
- Keep the instructions until the product is disposed of!

2.2 Notes on the target group and use of the instructions

Target group

The instructions are intended for persons who install, operate, maintain and/or service the product.

Work relating to the electrical connection of the components may only be carried out by a qualified electrician.

For assembly, knowledge of occupational safety, accident prevention regulations, handling ladders, installation of fastening materials, commissioning and operation of the product must be available.

If one of these qualifications is not available, a specialised assembly company must be commissioned.

Contents

These instructions belong to the following product:

Caravita Amalfi with optional motor

2.3 Explanation of the signal words



DANGER

Indicates an imminent danger that will result in death or serious injury.



WARNING

Indicates a potentially imminent danger that could lead to death or serious injury.



CAUTION

Indicates a possible imminent danger that could lead to minor injuries.



NOTE

Indicates a potentially imminent situation that could lead to product or property damage.

2.4 Basic safety instructions

The safety instructions and warnings listed serve to protect your health and the product. The instructions must be read carefully and followed.

Damage caused by improper handling or failure to follow the instructions is not covered by the warranty. No liability is assumed for consequential damage!

General safety instructions



DANGER

Danger to life and limb if the sunshade falls over

The sunshade can tip and fall over due to weather conditions or mechanical impact with its heavy weight.

- Only use the sunshade for its intended purpose.
- In strong winds and thunderstorms, dismantle the sunshade or do not set it up.
- Do not climb on the sunshade.
- Do not leave children near the sunshade without supervision.
- Do not use the sunshade without a suitable stand.
- Do not leave the sunshade unattended.
- Only set up the sunshade when it is fully raised.

**DANGER**

Fire hazard due to flying sparks

The fabric of the sunshade is flammable.

**DANGER**

Danger to life and limb from lightning strikes The

sunshade can become a lightning conductor.

- Never seek shelter under a sunshade during thunderstorms.

**DANGER**

Choking hazard due to packaging material

Plastic films, polystyrene parts and small parts from the packaging can become dangerous toys for children.

- Keep children away from small parts.
- Do not leave packaging material lying around carelessly.

**CAUTION**

Risk of injury due to tipping

Carelessness can cause the sunshade to tip over with its heavy weight.

- Two people are always required for assembly.
- The base must be designed with sufficient ballast to prevent the closed sunshade from tipping over in strong winds.

**WARNING**

Risk of injury to uninvolved persons

If people are within the opening radius of the sunshade canopy, they may be injured if they are not careful when opening the canopy.

- Before opening the sunshade roof, ensure that no bystanders are within the opening radius of the sunshade roof.
- Always maintain visual contact with the sunshade as long as it is open.
- Only open the sunshade when there is no wind or the wind is only blowing lightly.
- The sunshade must not be opened by a higher-level controller.

Operation

Operating a defective product can injure people and/or damage neighbouring parts.

- The product may only be operated if it is in perfect technical condition.

Assembly preparation

Incorrect assembly can impair the safety, function and service life of the product. Persons may be injured and/or the product or neighbouring parts may be damaged.

- The specified assembly steps and their sequence must be observed.
- The product may only be installed if it is in perfect technical condition.
- The assembly substrate must be checked for load-bearing capacity before mounting.

3 Information about product

Product description

The Amalfi sunshade provides protection from direct sunlight and some protection from the weather. The product is installed in a stainless steel base and, depending on the version, is operated using a crank winch or conveniently with a motor. The inclination of the sunshade roof can be optionally levelled. The fabric of the sunshade roof is made of easy-care and washable material. The shape of the sunshade roof is available in different designs.

Technical data

The products are exclusively customised and made to measure. Dimensions and weight vary depending on the model version.

The exact weight and size of the product can be found on the order or delivery note.

3.1 Intended use

The following information applies to the following product:
Caravita Amalfi with optional motor

The product is an external sun shading system that is used to protect against heat and glare in summer. The product is free-standing and is used to shade open spaces.

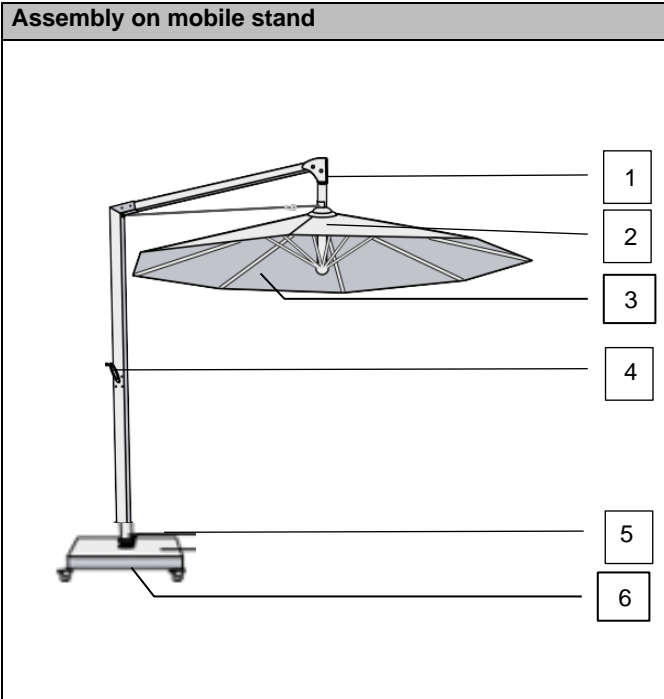
The product is to be used as sun protection and not as rain protection.

Misuse can result in considerable hazards.

Additional loads on the product due to suspended objects or cable tensioning can lead to damage or falling and are therefore not permitted. Caravita is not liable for any damage resulting from this.

Intended use also includes observing these instructions and complying with the maintenance specifications contained therein.

3.2 Part name



1	Pole with stainless steel pedal (optional) and crank gear
2	Cantilever with single head or levelling head Head (optional)
3	Sunshade roof
4	Cranks
5	Stainless steel sole
6	Mobile plate stand

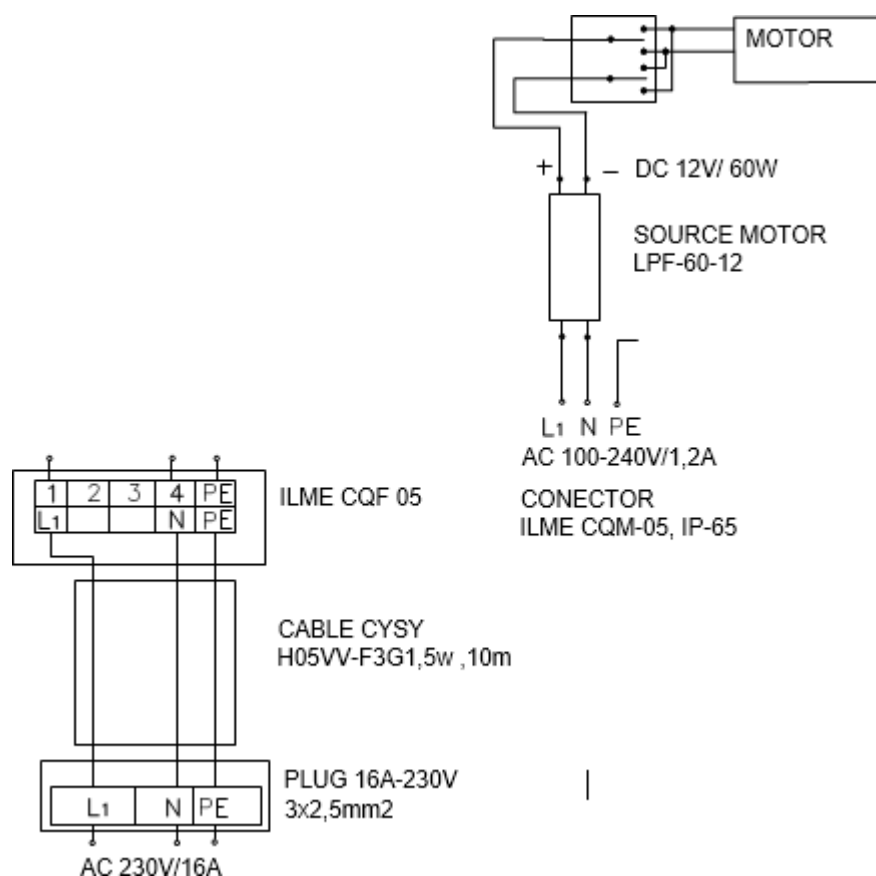
3.3 Data for electric drive

Parameters	Value
Power consumption	1.00 A
Nominal voltage	230 V/50 Hz
Protection type	IP 44
Short-term operation (S2)	6 Min
Emission sound pressure level	LpA ≤ 70 dB(A) *

* With standard assembly of the product on the test bench, the noise emission level is < 70 dB(A).
The value may vary due to assembly.

3.4 Electrical connection

Circuit diagram with motor operation



L ₁	Cable brown
N	Cable blue
PE	Earthing cable yellow-green
Motor	LPF-60-12
WMS	Receiver remote control
Conector	ILME CQM-05, IP 65

4 Assembly



CAUTION

Risk of injury due to tipping during assembly

Tipping or dropping the product can result in serious injuries.

- 2 people are required to assemble and set up the product.
- Mount the product on a level surface.



NOTE

When installing several sunshades, a distance of at least 20 cm must be maintained between the individual sunshades.

We are happy to answer questions about assembly by e-mail or via our service hotline. The contact details are listed on the first and last page of this document.

4.1 Unpacking the product



DANGER

Choking hazard due to packaging material

Plastic films, polystyrene parts and small parts from the packaging can become dangerous toys for children.

- Keep children away from small parts.
- Do not leave packaging material lying around carelessly.



NOTE

The cardboard box is reused as a space-saving storage box for storing the sunshade.

- Do not cut or tear the box when unpacking.

Remove the sunshade from the packaging

- 1 Check the packaging for damage.
- 2 Carefully cut the adhesive tapes and plastic straps with a knife without damaging the sunshade in the box.
- 3 Carefully unpack the sunshade and the individual parts.
- 4 Check the contents of the packaging for completeness and defects.



NOTE

In the event of obvious defects in the packaging or incompleteness of the delivery, the specialised dealer, forwarding agent or manufacturer must be informed immediately in order to assert claims for damages and compensation.

- 5 Properly dispose of the remaining packaging material (polystyrene, plastic).

4.2 Transporting the product

The product can be transported easily and without additional aids.

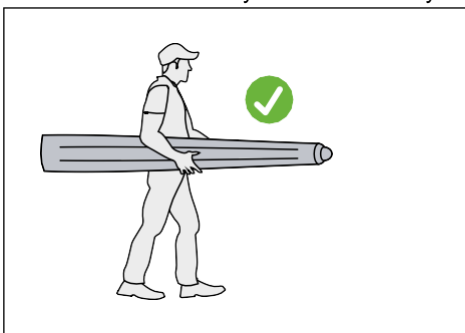


NOTE

Material damage due to cracks and bent struts

Careless transport can damage the sunshade roof.

- Do not pull the sunshade over the ground by the sunshade cover or the protective case.
- Do not carry the sunshade by individual sunshade struts.



Hold the sunshade with both hands during transport

4.3 Scope of delivery

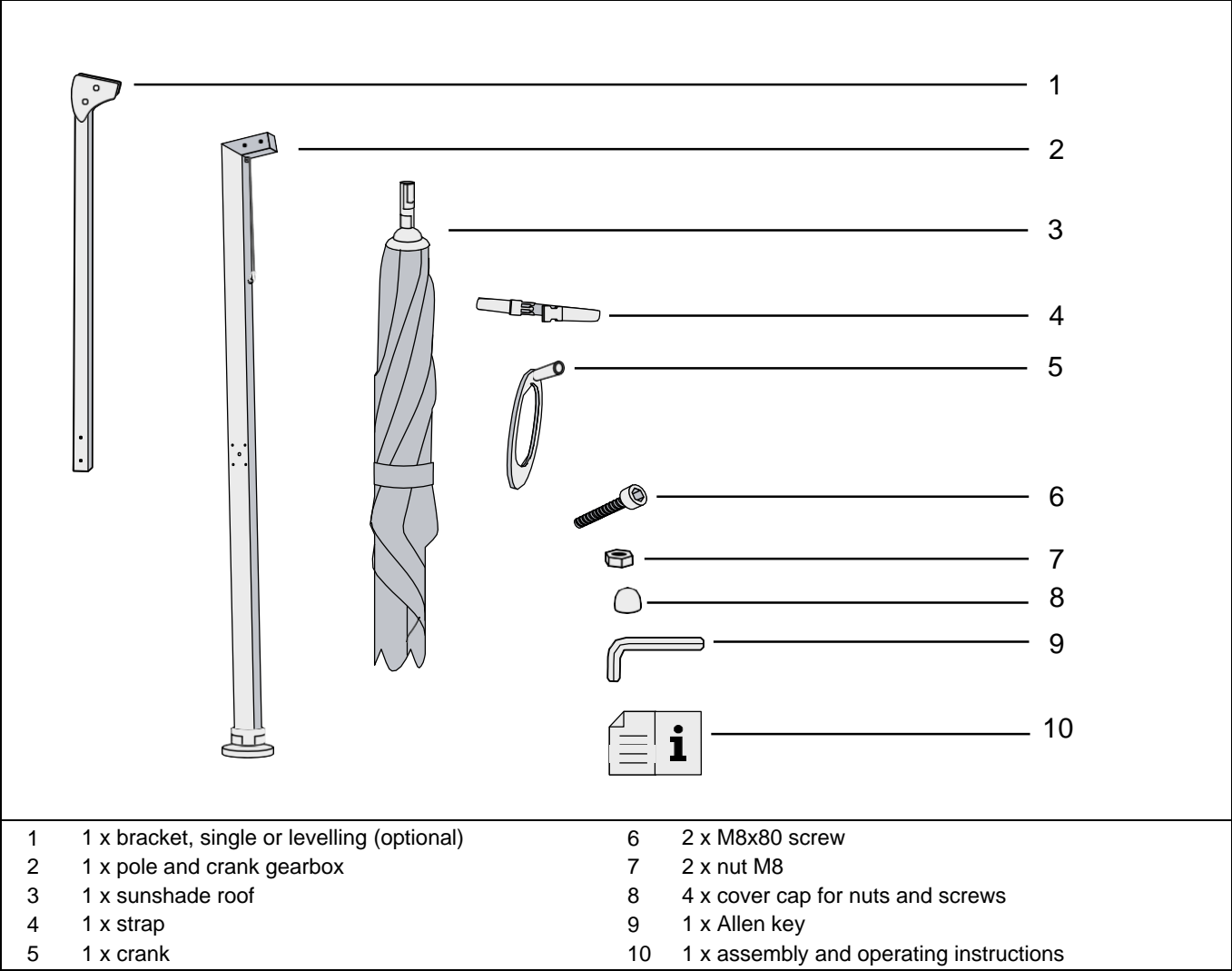


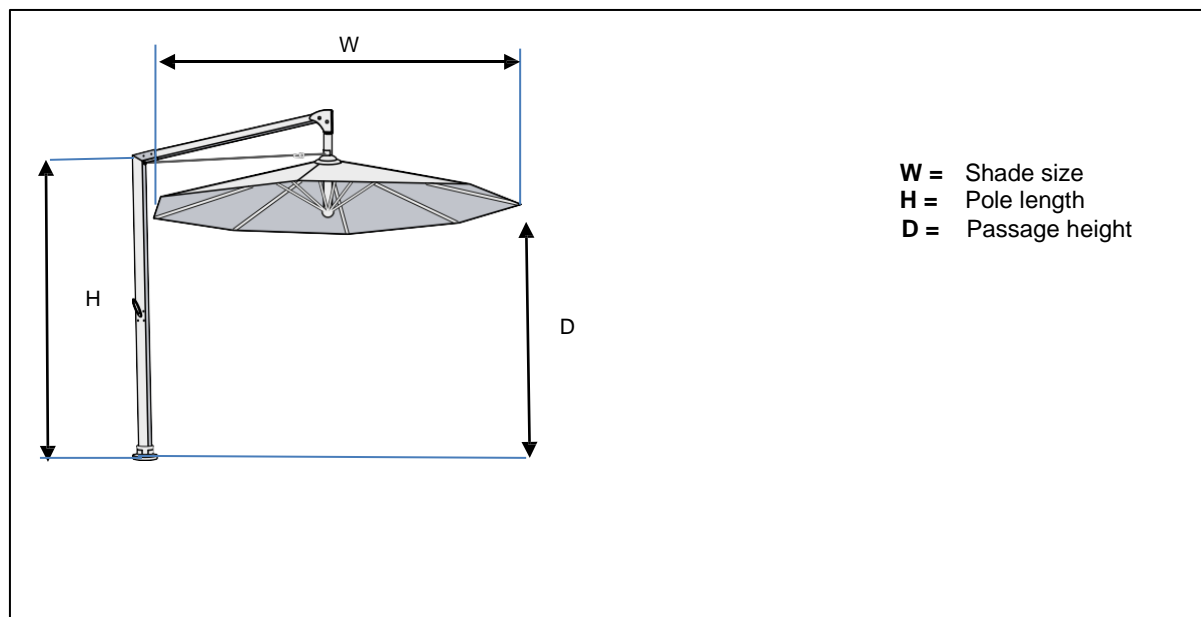
Fig. 1: Scope of delivery

i INFO

- Check scope of delivery according to delivery note!
- Check parts for intactness!
- Compare the situation on site with the order data!
- Interrupt assembly and contact CARAVITA if parts are damaged or if the specifications do not correspond to the order!

4.4 Position of the product

The figure shows an example of a sunshade with base sleeves and screw-on stand (optional):



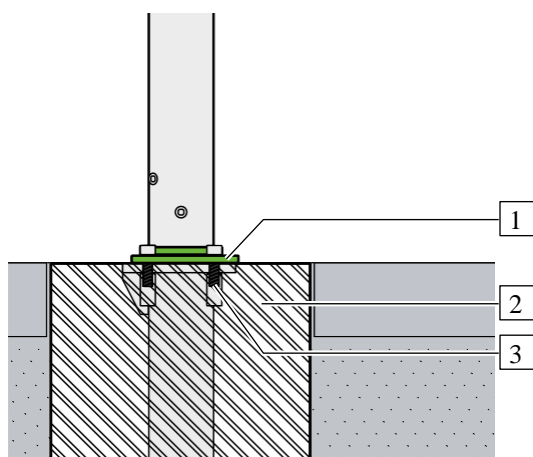
Post mounting types INFO

i Observe the special features of the fastening types of the listed components and arrange for any necessary preparatory work.

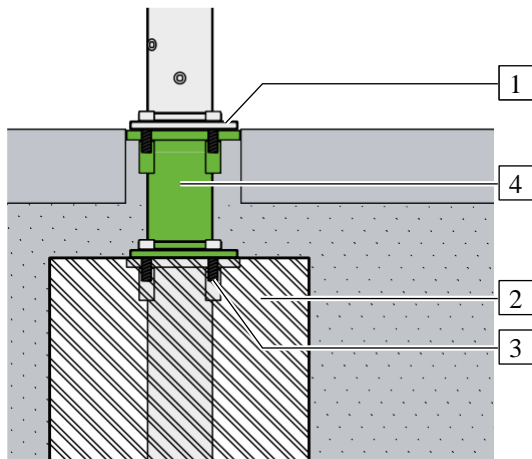
- Pole
- Base sleeve if necessary
- Electrical connections, if applicable

Base assembly directly on foundation

[2]



The base plate [1] is fastened directly to the foundation [2] using suitable fastening material [3].



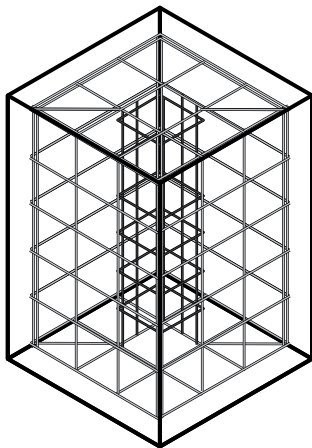
Fasten the distance extension [4] to the foundation [2] using suitable fastening material [3]. Attach the base plate [1] to the distance extension [4].



INFO

- ▶ DIN 1045 and a frost-free foundation must be observed for the foundation. The edge distances of the fixing points must be taken into account.
- ▶ The foundation for fixing the base plate or the distance extension must have been poured in compliance with the processing guidelines.

4.5 Types of base connection



INFO

- ▶ DIN 1045 and a frost-free foundation must be observed for the foundation. The edge distances of the fixing points must be taken into account.
- ▶ The foundation for fixing the base plate must have been poured in compliance with the processing guidelines.
- ▶ The crank is always located opposite the electrical connection.

4.6 Installing the base sleeve with base tank

i The procedure for the floor connection used must be observed

Binding reinforcement

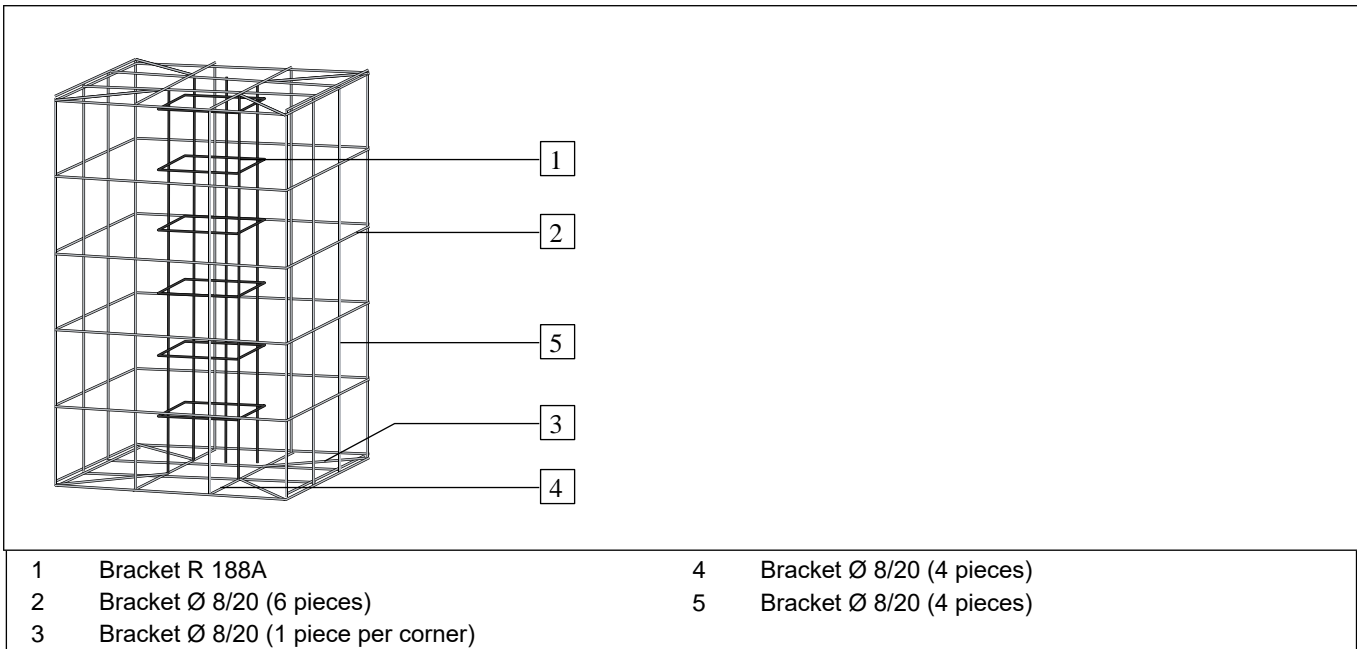
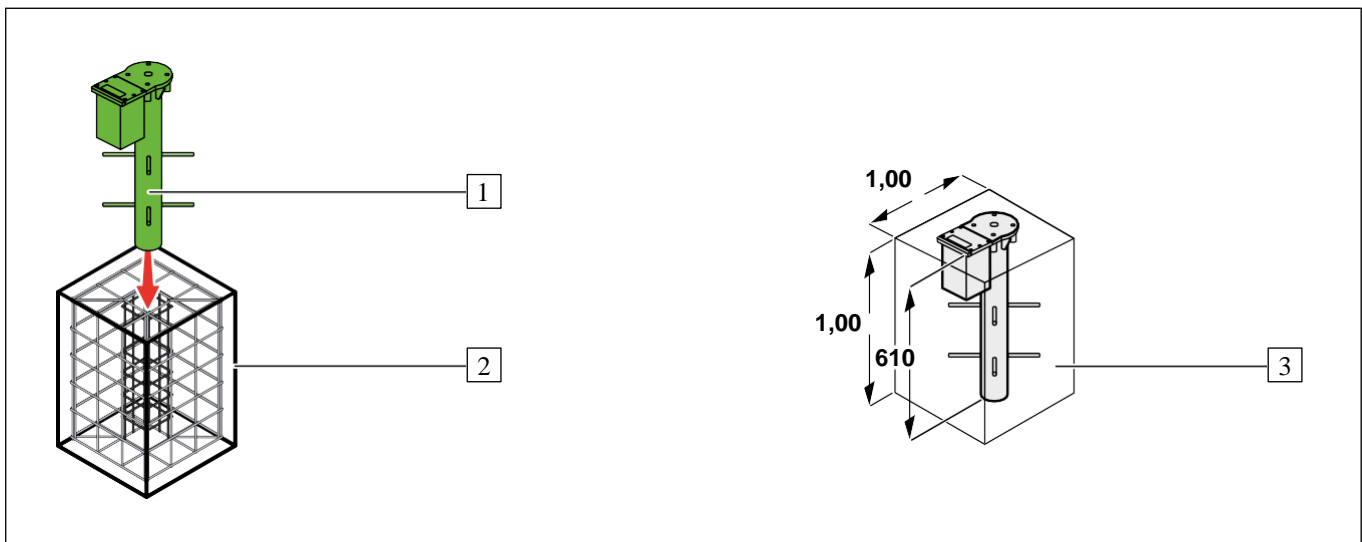


Fig. 2: Binding reinforcement

Embed base sleeve with base tank in concrete **INFO**

i Foundations for loose sand or gravel-sand soils: for sandy soils, further verifications and possibly larger foundations are required.

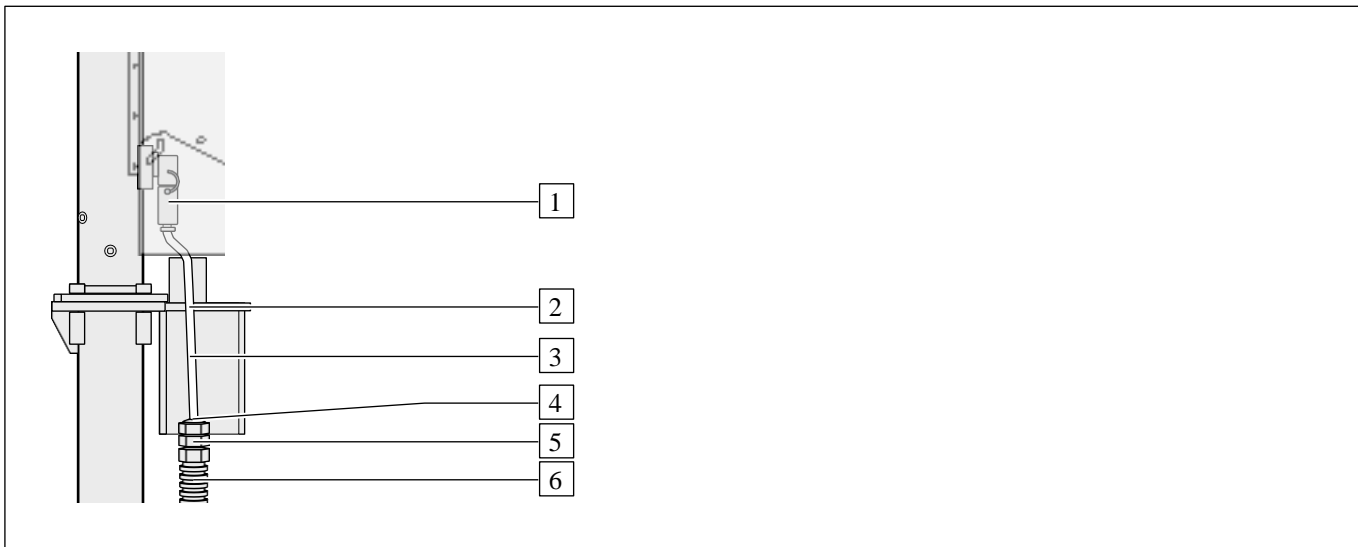


- 1 Base sleeve
- 2 Reinforcement
- 3 Foundation hole

- Excavate the foundation hole [3]!
- Insert the reinforcement [2] into the foundation hole [3]!
- Insert base sleeve [1] into foundation hole [3]. The specified depth (800 mm) must be observed.
- Pour the foundation using at least C20/25 concrete and in compliance with the processing guidelines!
- Allow the foundation to set before further processing!

4.7 Lay underground cable for power supply

The following diagram shows the connection of the underground cable for the power supply to the base tank:



- 1 ILME plug
- 2 Cover with seal
- 3 Earth cable, not included in the scope of delivery NYY-J 230 V / 3 x 2.5 mm² NYY-J 400 V / 5 x 2.5 mm²
- 4 Gasket NG PGS 25M, not included in the scope of delivery
- 5 End cover SFD 25M/21, not included in the scope of delivery
- 6 Cable protection conduit WP (IP-67), not included in the scope of delivery

4.8 Installing mobile stands

The product is difficult to move without additional aids due to the weights. Roller sets can be fitted or the product can be moved with a pallet truck for relocation.

Fitting the panel support Dublin



DANGER FROM ELECTRICITY

Electric shock due to damaged cables

When moving the plate stand with the power cable connected, these can be run over and damaged.

- Only use cables suitable for damp rooms.
- Protect cables from damage and crushing using protective devices.
- Disconnect the plug from all poles before moving the stand.
- Disconnect unused extension cables from the power supply.
- Keep cables away from children.
- Keep cables away from animals, liquids and snow.
- Do not overheat the cable.
- Do not use cables if they are wet.
- Do not wind, bend or pull-on cables when they are in use.
- Only fasten cables with suitable fastening material.

WARNING



Crushing due to falling plates.

Fingers or feet can be crushed by heavy stone slabs, e.g. when tilting the sunshade stand.

- Always secure the sunshade stand when moving it.
- Do not reach under or into open spaces while moving.
- Do not place any limbs under the sunshade stand.
- Observe the weight limit for roller assembly of max. 320 kg total weight for stand and sunshade.

- Weight limit for assembly with floor levelling feet of max. 550 kg total weight for uprights, screen support. Observe additional weights.
- Ensure that the route is free of obstacles.



WARNING

Crushing of limbs in sunshade parts.

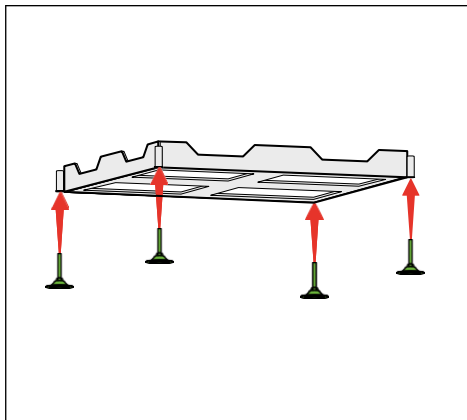
Fingers or feet can be crushed if they are trapped between the roller and the stand or floor.

- As soon as the mobile stand has reached its final position, press in the castor lock.
- Observe the weight limit for roller assembly of max. 320 kg total weight for stand and sunshade.
- Observe the weight limit for assembly with floor levelling feet of max. 550 kg total weight for upright, sunshade and additional weights.
- Ensure that the route is free of obstacles.

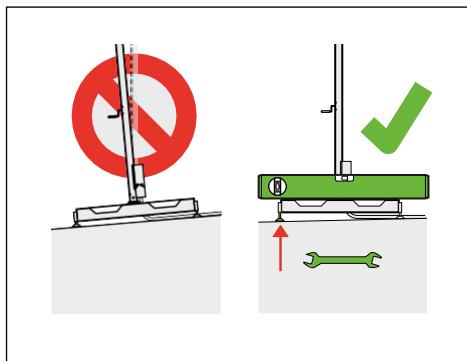


WARNING

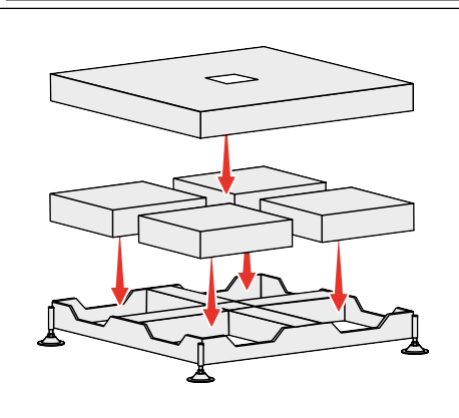
If mobile stands are connected and operated with a mobile cable, the cable must be suitable for damp rooms and permanently protected against damage and crushing. In any case, the power supply must be disconnected at all poles by pulling out the plug before moving the mobile stand.



- 1 Place the plate stand at the desired installation location and align it.
- 2 Screw in the 4 rollers* or the 4 floor levelling feet and tighten with the screws supplied.



- 3 If floor levelling feet have been fitted, use them to level the plate stand.



- 4 Insert the concrete slabs (to be provided by the customer) into the openings provided.
- 5 Fit the cover for Dublin. (optional)

4.9 Set up and attach the sunshade

Preparation

- For safety reasons, set up the sunshade with at least 2 people.
- Prepare the mobile stand or base sleeve according to the manufacturer's instructions.
- The mobile stand must be designed with sufficient ballast.
- Provide a stepladder.
- Have the stainless steel screws and the Allen key included in the scope of delivery ready.



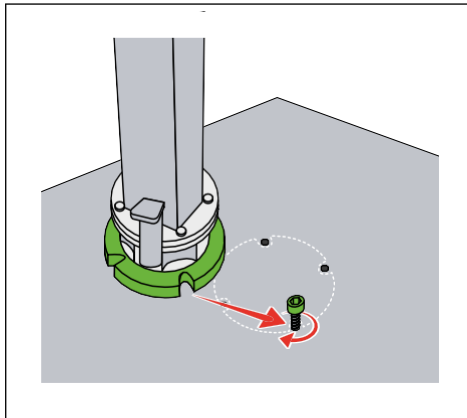
CAUTION

Personal injury or property damage due to swaying sunshade

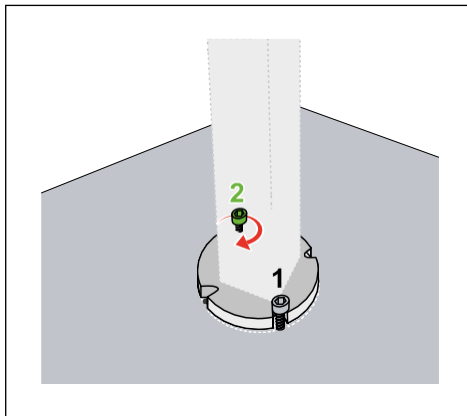
The sunshade is very large and therefore difficult to balance. This can cause injury to persons or damage to objects.

Ensure that the assembly environment is free of people and objects.

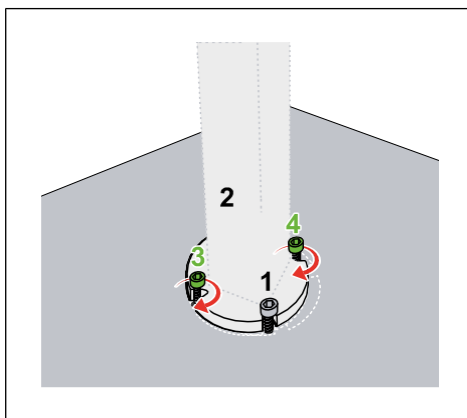
Assemble the pole on the base



- 1 Screw the M10x30 screw into the stand (12-15 mm).
- 2 Set the pole upright.
- 3 Slide the eyelet on the stainless steel base into the screw.
 - The sunshade gains a slight hold.



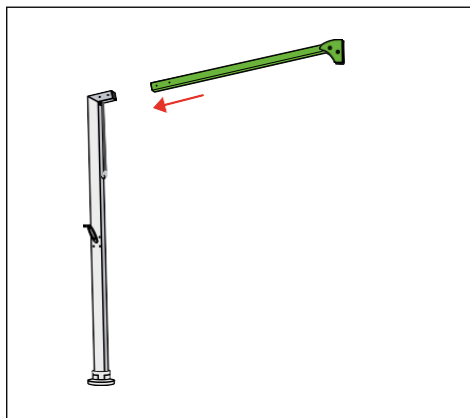
- 4 1 person fastens the 2nd M10x30 screw while the 2nd person holds the pole.
 - The sunshade has sufficient stability for further assembly.



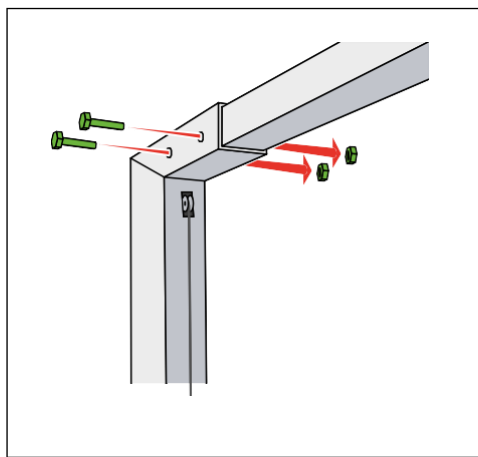
- 5 Screw the remaining screws into the remaining eyelets.
- 6 Tighten all 4 screws with the Allen key.

Assemble the bracket

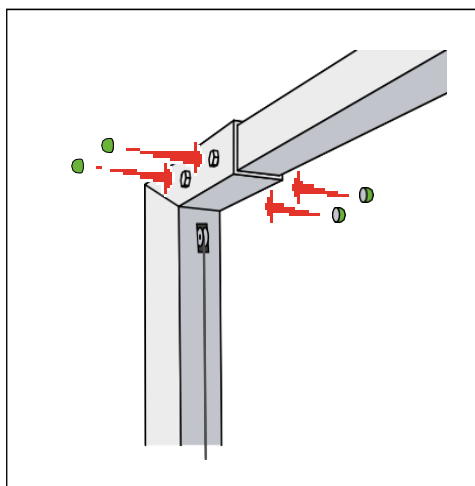
- The pole is assembled in the base sleeve or in the mobile stand.



- 1 Set up and climb the ladder frame.
- 2 Slide the bracket into the pole.



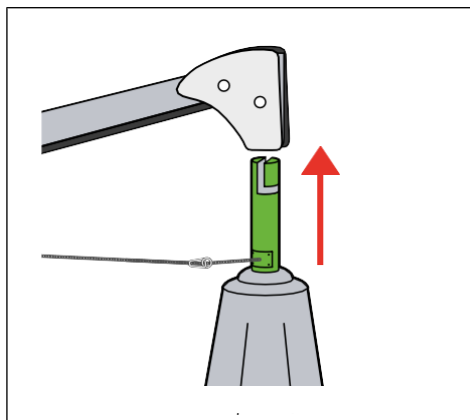
- 3 Insert the supplied M8x80 screws through the holes and tighten them firmly.



- 4 Place the protective caps over the nuts and screw heads.

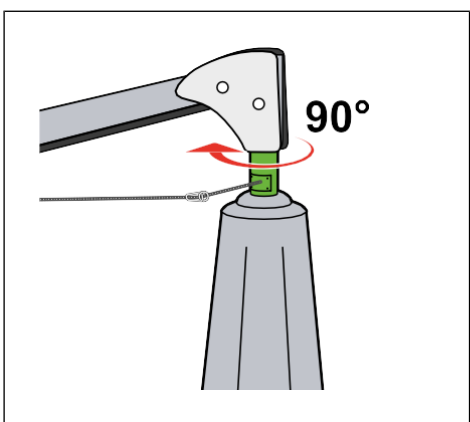
Attach the sunshade roof

- The jib and pole are assembled to be stable.

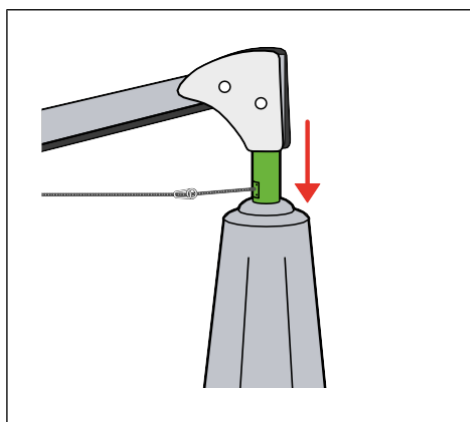


- 1 Lift the sunshade roof with both hands at the bottom.

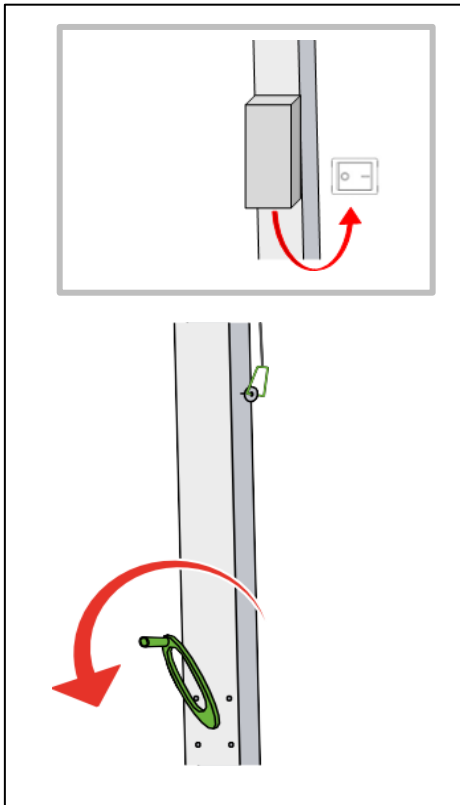
- 2 Insert the sunshade roof into the bracket using the bayonet adapter.



- 3 Rotate the sunshade roof by 90°.



- 4 Lower the sunshade roof. The bayonet adapter snaps into place.



- 5 Turn the crank slightly anti-clockwise.



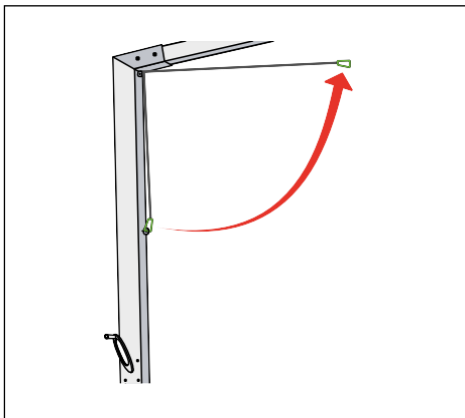
INFO

If the crank is turned too much, the steel cable can become entangled in the gearbox housing.

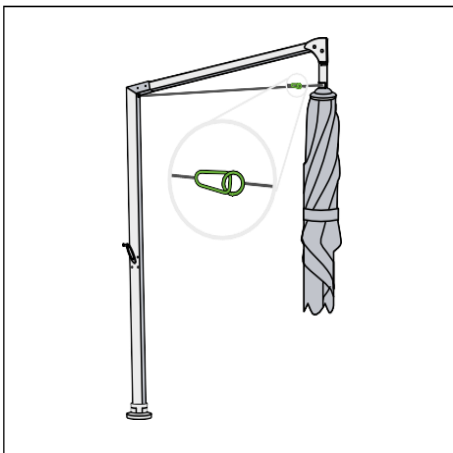
OR

If present, press the switch at the bottom of the box to start the electric motor.

- The steel cable is loosened.



- 6 Release the carabiner from the cable anchorage on the gearbox.



- 7 Attach the carabiner to the rope of the sunshade.

5 Putting into use



WARNING

Risk of injury due to improper use of the sunshade. Improper use can result in personal injury.

- Do not reach into openings on the product during commissioning.
- Do not hang any foreign objects on the sunshade that are not expressly mentioned in the instructions.
- Remove snow or other external contamination.
- Close the sunshade in case of high wind loads.
- Before opening the sunshade roof, ensure that there are no bystanders within the opening radius of the sunshade roof.
- Keep children away from the controls.

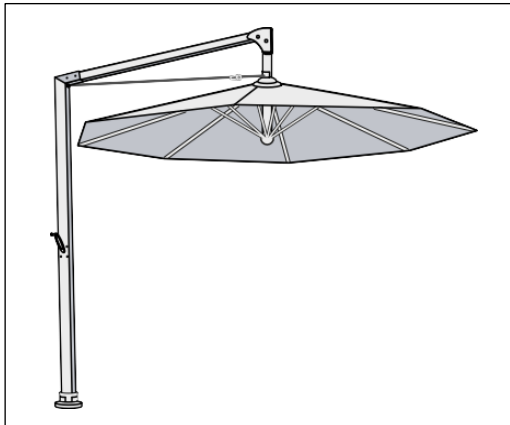


CAUTION

Material damage due to improper use of the sunshade.

Improper use can damage the sunshade.

- Do not light an open fire under the sunshade.
- Remove snow or other external contamination.
- Close the sunshade in case of high wind loads.
- Do not hang on the sunshade or other components.
- Sunshade can tip over if you are not careful.
- Do not hang any foreign objects on the sunshade that are not expressly mentioned in the instructions.
- Remove obstacles from the travelling area.
- Do not force the sunshade open.



- 1 Remove the protective case.
- 2 Assemble the bracket.
- 3 Attach the sunshade roof.
- 4 Open the sunshade, see chapter [„Opening the sunshade roof“, page 22](#)
- 5 Levelling the sunshade roof (optional).
- 6 Close the sunshade.
- 7 Remove the sunshade roof.
- 8 Attach the protective case.

6 Operation

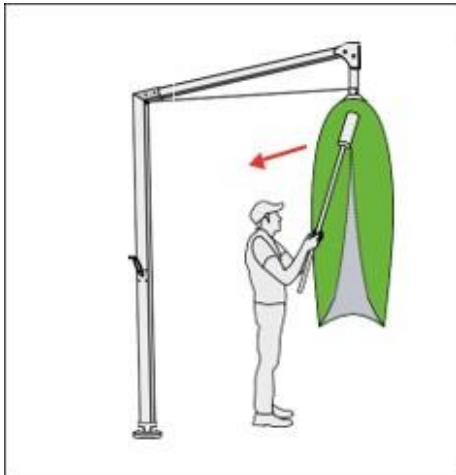


CAUTION

Risk of crushing due to carelessness when operating!

Persons in the travelling area may be injured.

- Keep travelling area clear of people!
- Keep children away from the controls!



Remove the protective case.

- Using the telescopic push bar, see chapter: [Using the telescopic push bar \(optional\)](#).

6.1 Open the sunshade roof

The plastic nets attached to the struts serve as protection against transport damage. If the sunshade roof is open, these can be carefully removed with a knife or scissors.



WARNING

Risk of injury to uninvolved persons

If people are within the opening radius of the sunshade canopy, they may be injured if they are not careful when opening the canopy.

- Before opening the sunshade roof, ensure that no bystanders are within the opening radius of the sunshade roof.
- Always maintain visual contact with the sunshade as long as it is open.
- Only open the sunshade when there is no wind or the wind is only blowing lightly.
- The sunshade must not be opened by a higher-level controller.



INFO

When removing the plastic nets with scissors or a knife, do not damage the fabric of the sunshade roof.

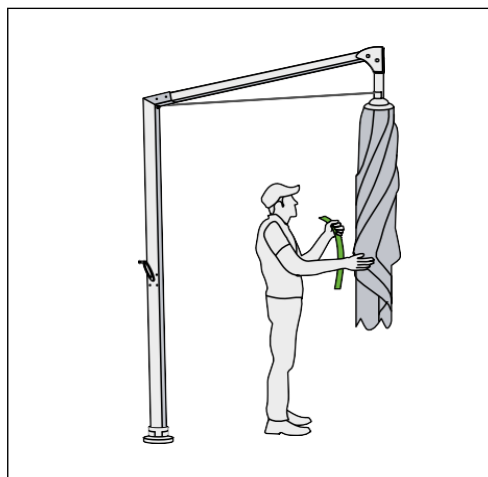


NOTE

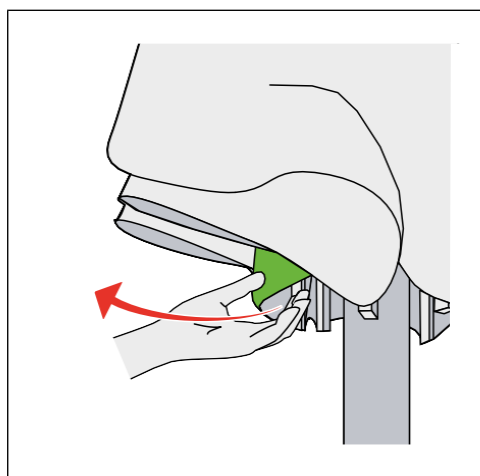
Material damage due to incorrect pulling apart of the struts

- If the sunshade does not open or close easily, call our service hotline or rectify the problem via the chapter [see chapter 9/page 24](#).

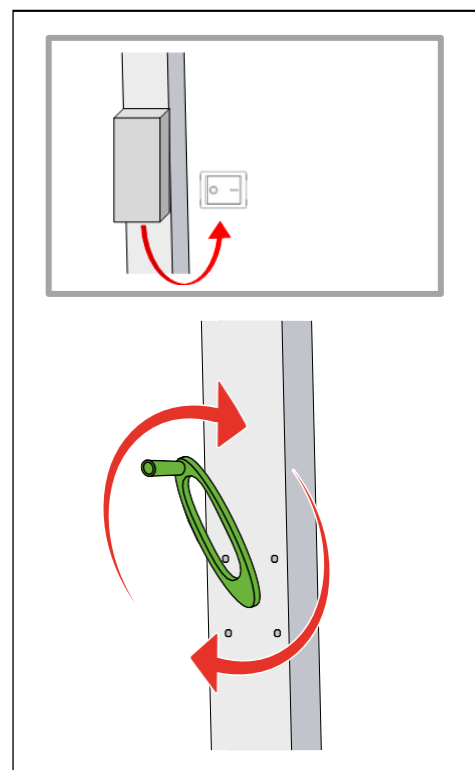
- The sunshade is securely fastened in the base sleeve or mobile stand.



- 1 Remove the strap from the sunshade roof.



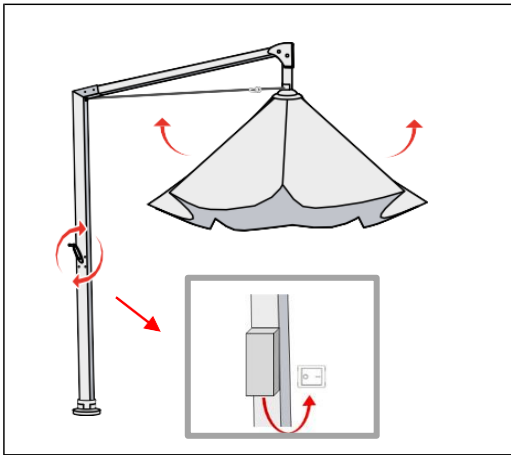
- 2 Pull the struts slightly outwards.
 - The struts are loosened.



- 3 Insert the crank into the device on the pole.

OR

If available, press the switch at the bottom of the box to close the sunshade roof.

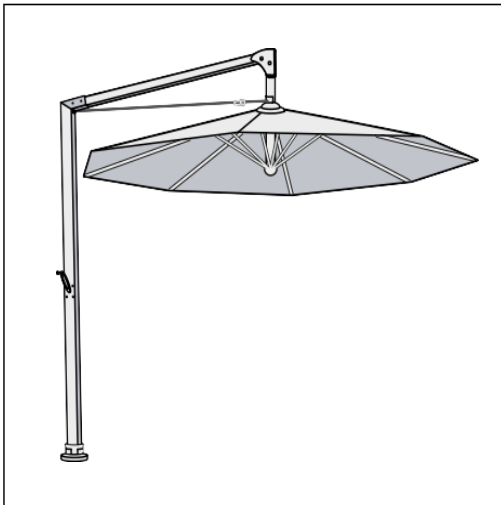


- 4 Turn the crank clockwise until the fabric is slightly taut.

■ The sunshade roof opens.

OR

Hold the switch on the box until the sunshade roof is open.



- 5 Turn the crank handle as far as it will go.



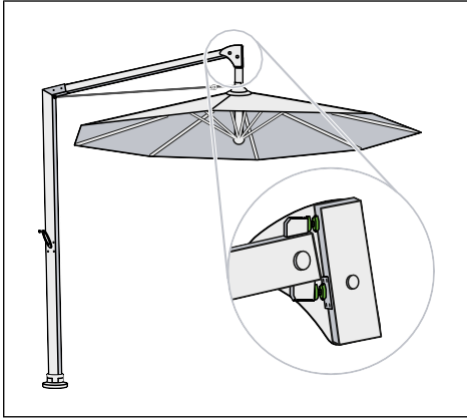
INFO

If the crank is turned beyond the stop, the gearbox may be damaged.

- 6 Remove the crank from the pole and store it in a safe place.

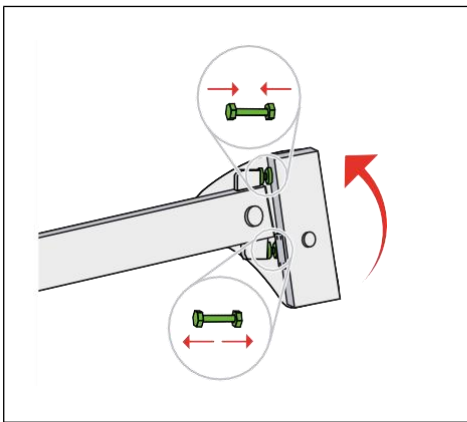
6.2 Levelling the sunshade roof (optional)

The sunshade roof can be levelled. The mechanism is not intended for tilting the roof. The roof pitch is regulated using two adjusting screws, which are located behind the panels at the upper end of the bracket.



- The sunshade roof is hooked in.

Tilt the sunshade roof outwards



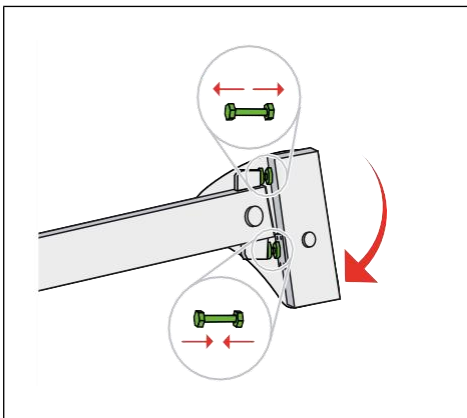
- 1 Loosen the lock nut of the upper screw.
- 2 Tighten the upper screw until the desired inclination is reached.
 - The upper screw rests on the pole head.
- 3 Tighten the loosened lock nut.
 - The upper screw is fixed.
- 4 Unscrew the lower screw until it rests against the bracket.



INFO

Both screws must be in contact with the bracket. The mechanism must no longer wobble.

Tilt the sunshade roof inwards



- 1 Loosen the lock nut of the lower screw.
- 2 Tighten the upper screw until the desired inclination is reached. ► The lower screw rests against the pole head.
- 3 Tighten the loosened lock nut.
 - The lower screw is fixed.
- 4 Unscrew the upper screw until it rests against the bracket.



INFO

Both screws must be in contact with the bracket. The mechanism must no longer wobble.

6.3 Close sunshade roof



CAUTION

Risk of injury due to tipping

Carelessness can cause the sunshade to tip over with its heavy weight.

- Two people are always required for assembly.
- The base must be designed with sufficient ballast to prevent the closed sunshade from tipping over in strong winds.

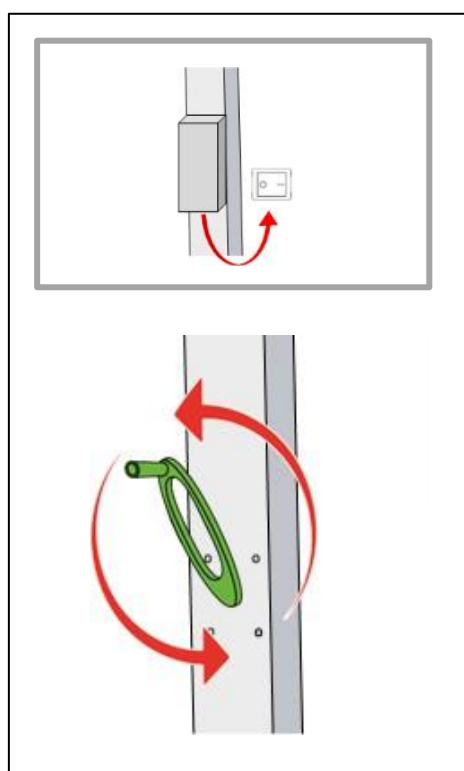


NOTE

Material damage due to abrasion of the sunshade fabric

Permanent flapping in the wind can damage the sunshade fabric by rubbing against the struts. No claims for damages can be asserted for this.

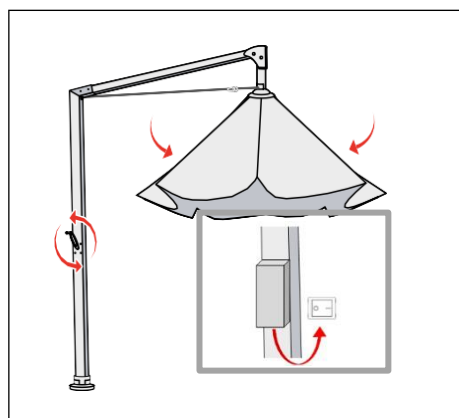
- Always secure the closed sunshade roof with the strap.



- 1 Insert the crank into the device on the pole.

OR

If present, press the switch at the bottom of the box to start the electric motor.



- 2 Turn the crank anti-clockwise until the sunshade is almost closed.

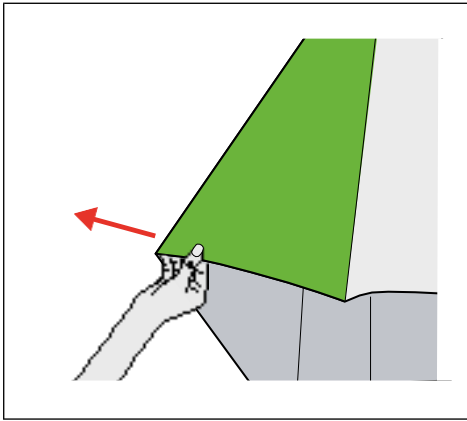


INFO

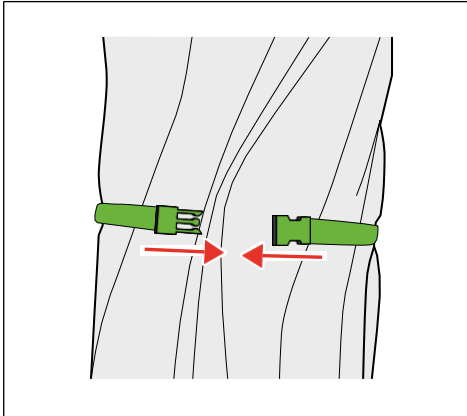
The crank can only be turned when the cable is under tension.

OR

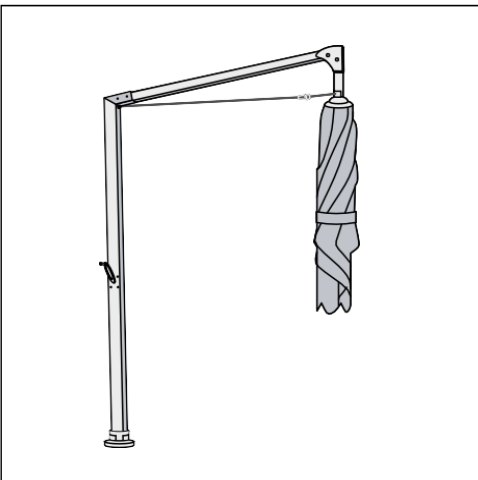
Hold the switch on the box until the sunshade roof is closed.



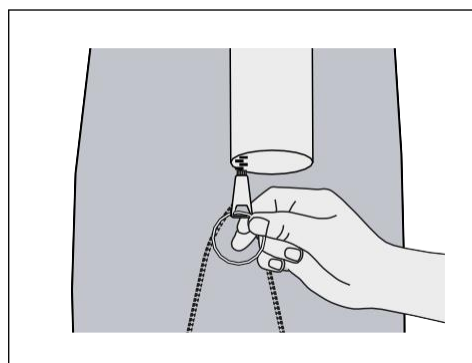
- 3 Pull the fabric out from between the struts to prevent it from being pinched or damaged.



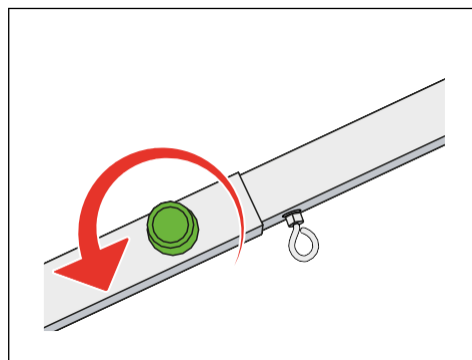
- 4 Secure the closed sunshade roof with the strap.



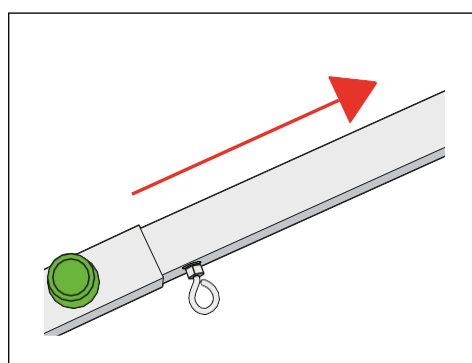
6.4 Using the telescopic push rod (optional)



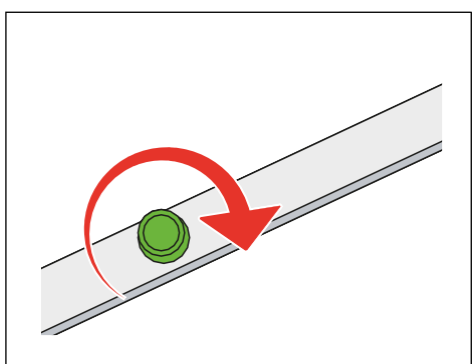
- 1 Attach the key ring to the zip of the protective case.



- 2 Open the knurled screw on the telescopic push rod.

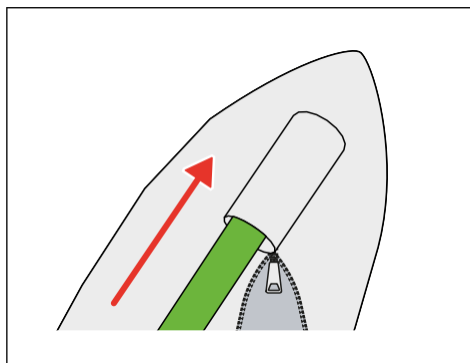


- 3 Pull the telescopic push rod to the required length.

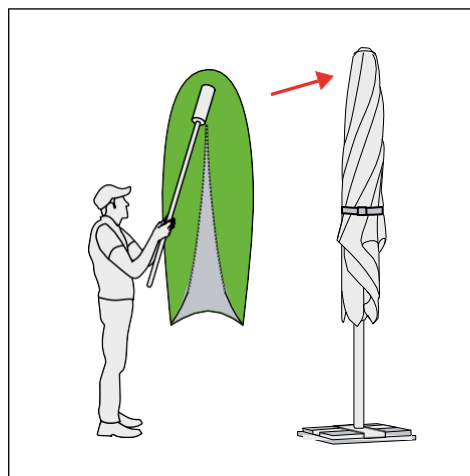


- 4 Tighten the knurled screw on the telescopic push rod.

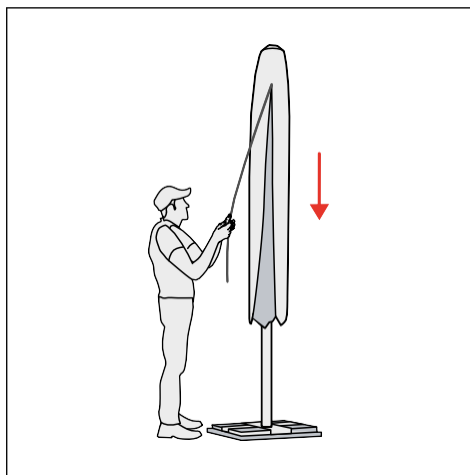
- 5 Insert the telescopic push rod into the pocket of the protective case.



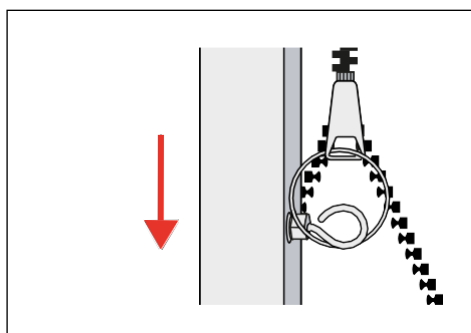
- 6 Lift the protective case over the sunshade using the telescopic push rod.



- 7 Close zip.



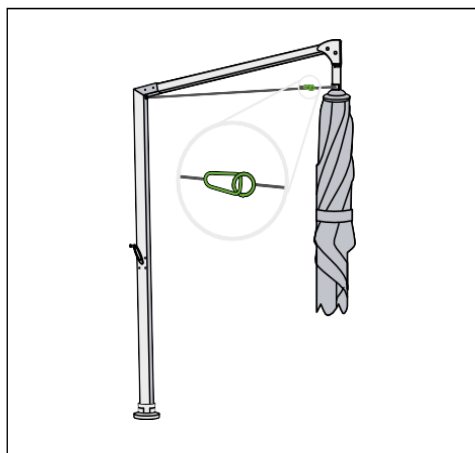
- 8 Loosen the eyebolt of the telescopic push rod in the key ring on the zip of the protective case.



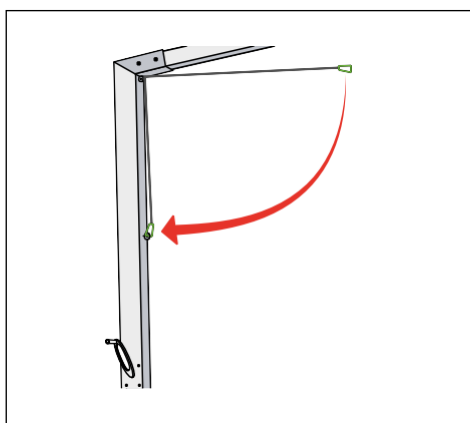
6.5 Remove the sunshade roof

- The sunshade roof is closed and secured with the strap.

- 1 Detach the rope from the sunshade roof using the snap hook.



- 2 Attach the cable to the eyebolt of the gearbox housing.



- 3 Wind the rope.

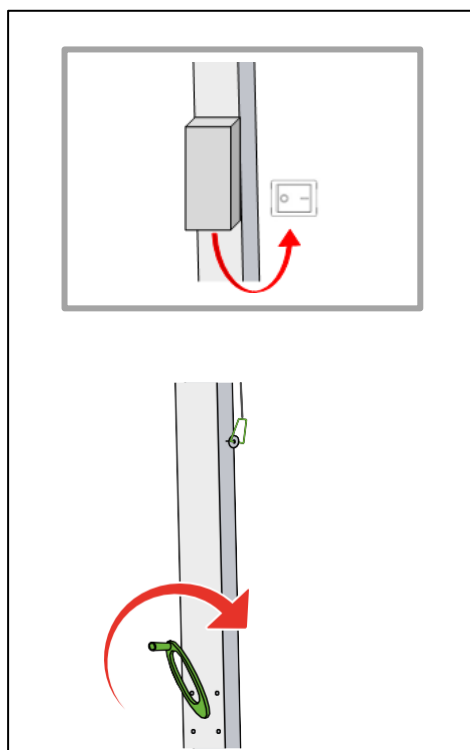


INFO

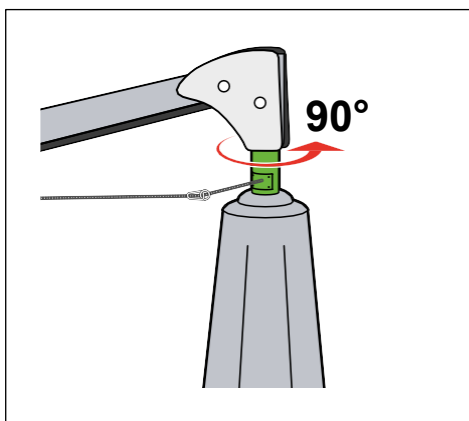
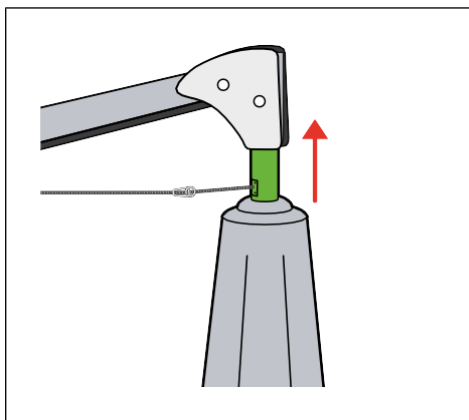
The crank can only be turned when the cable is under tension

OR

If present, press the switch at the bottom of the box to start the electric motor.



- 4 Lift the sunshade roof and turn it 90° anti-clockwise.

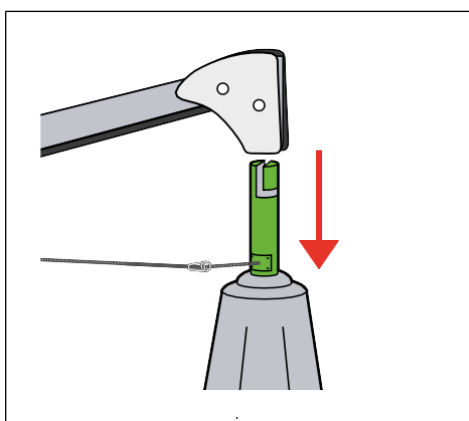


- 5 Remove the sunshade roof from the lift using the bayonet adapters.



INFO

The rope must be tensioned.



- 6 Attach the cable to the eyebolt of the gearbox housing.
- 7 Wind the rope.

Disassembly

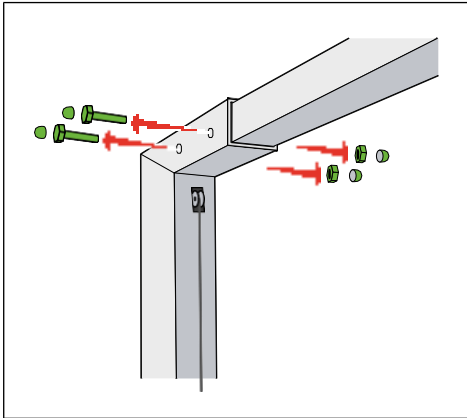
7 Disassembly

During the season, the bracket with the pole can remain installed outdoors without hesitation. At the end of the season or when required, the pole and bracket are dismantled and stored. Disassembly is carried out in the reverse order to assembly.

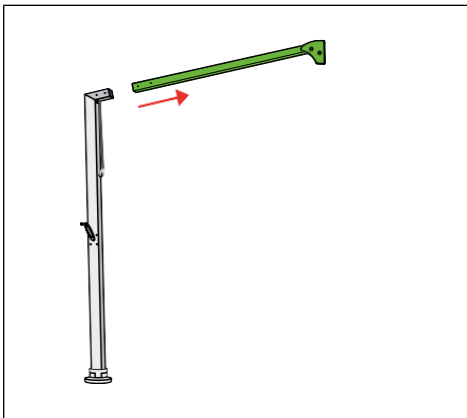


INFO

It is recommended not to leave the pole without the bracket in the base or base sleeve. Water can get into the gearbox through the opening in the mast tube.



- 1 Loosen the screws and store in a container.



- 2 Pull out the bracket.
- 3 Pull the pole out of the base or base sleeve.
- 4 Store the pole and bracket in a safe, protected place.

8 Maintenance and care

Sunshade fabric



NOTE

Material damage to the sunshade fabric due to incorrect cleaning and cleaning agents

The acrylic fabric of the sunshade roof is impregnated and requires special cleaning and cleaning agents.

- Always wash the sunshade fabric in cold water.
- Do not use a high-pressure cleaner to clean the sunshade fabric.
- Avoid strong friction during cleaning, e.g. with hard brushes or sponges.

Cleaning the sunshade fabric

- If possible, remove fallen leaves (foliage) immediately (starting point for microbial infestation).
- Dry-brush out the dirt at regular intervals.
- Treat light stains with lukewarm water and a soft brush.
- Treat stubborn stains by hand washing with a little commercial mild detergent, rinse well with clear water, leave to dry and treat with impregnating agent.

Bracket and pole

Clean and maintain bracket and pole

- Wash the surfaces with a gentle cleaning agent.
- Refresh the stainless steel parts with commercially available stainless steel polish.
- Use spray oil or silicone spray at regular intervals to protect joints and rollers against corrosion

9 Storage

**NOTE**

Material damage due to abrasion of the sunshade fabric

Permanent flapping in the wind can damage the sunshade fabric by rubbing against the struts. No claims for damages can be asserted for this.

- Always secure the closed sunshade roof with the strap.

**NOTE**

Material damage due to mould

If the protective case is pulled over the damp fabric, mould will form.

- Only cover the protective case when the fabric is completely dry.

The sunshade can be stored outdoors and in a protected, dry room. For both options:

- Secure the sunshade roof with straps.
- Allow the fabric to dry completely before storing.
- Put the protective case on.

Outdoor storage**CAUTION**

Risk of injury due to tipping

Carelessness and strong winds can cause the sunshade to tip over with its heavy weight.

- The mobile stand must be designed with sufficient ballast to prevent the closed sunshade from tipping over.

Storage in a dry room

The following applies to storage in a dry room:

- Pack the sunshade in the box in which it was delivered.
- Store the sunshade horizontally in a dry room.

10 Troubleshooting

If the sunshade malfunctions and cannot be rectified with the help of the following instructions, please contact us via our service hotline. You will find the contact details on the first and last page of these instructions.

The following malfunctions can occur when using the sunshade:

Problem	Cause	Rectification
The sunshade roof can no longer be opened or closed.	The rope is loose and has become knotted in the housing.	<ul style="list-style-type: none"> ■ Pull out the rope by hand in one strong pull and at the same time turn the crank to the left. Do not turn the crank with too much force. ■ If the rope knot cannot be loosened, remove the gearbox. ■ With the sunshade roof open: Close the sunshade roof and loosen the sunshade struts. The struts must not be directed inwards. Loosen the sunshade struts again.
The crank cannot be turned.	The rope is too loose and without tension.	<ul style="list-style-type: none"> ■ Grasp the rope with one hand above the gearbox and pull it out while turning the crank with the other hand.
An initial resistance when turning the crank (left).	The drive is blocked.	<ul style="list-style-type: none"> ■ Keep turning the crank vigorously.
The sunshade roof springs down slightly when opened.	Tangles of the rope lie on top of each other in the drive and slip off.	<ul style="list-style-type: none"> ■ This cause has no effect on the function of the sunshade.
Motor does not start (230 V).	<ul style="list-style-type: none"> ■ Hand-held transmitter battery is too weak. ■ Connections are not optimal. ■ Thermal protection motor too warm. 	<ul style="list-style-type: none"> ■ Change the hand-held transmitter battery. ■ Check plug connectors. ■ Wait 20 min. ■ Checking the locking device.



NOTE

If a fault is not included in the list or if you are unsure, contact a specialist dealer.

11 **Warranty conditions**

The following warranty conditions apply:

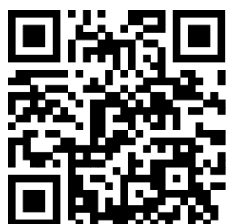
www.caravita.de/garantie



12 **Other notes**

Please observe the general safety instructions:

www.caravita.de/hinweise





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