Mounting instructions SZ277

Free-standing base plate, upper anchor tube SZ150, for SCHATTELLO parasols. SZ273 can be used for parasols of up to 21 m² in size. For structural reasons, parasols exceeding a size of 21 m² must be set up with mounting component SZ275 or SZ277. In case of non-compliance, the MAY company cannot assume any liability.

The following instructions include all information necessary for the assembly and operation of this frame pedestal. To avoid any misunderstanding we advise you to read these instructions carefully and then keep them for later reference.

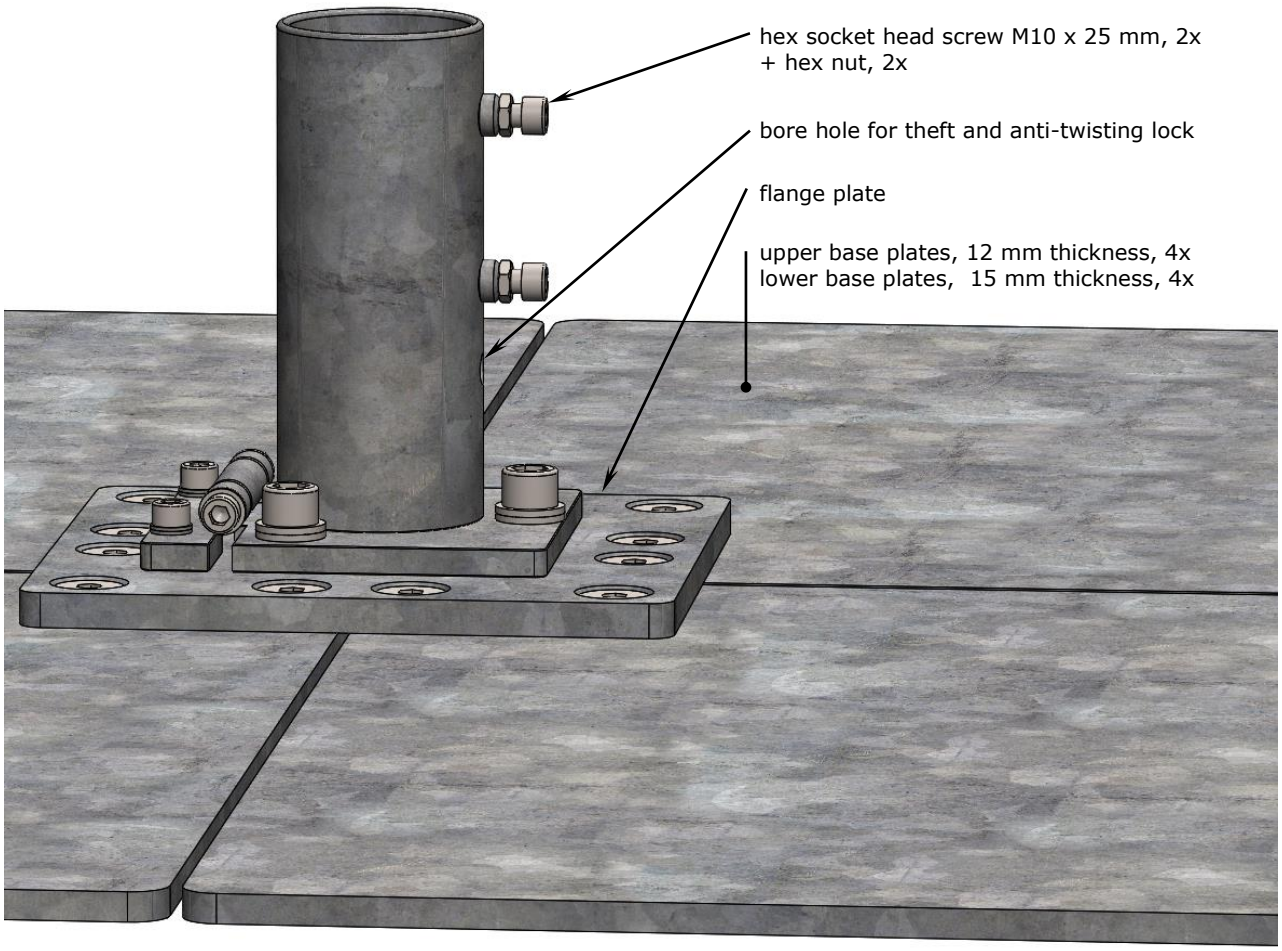
Caution

Non- observation of mounting instructions can result in personal injuries or damage to property.

Please note that if these instructions are not observed, the manufacturer cannot assume any liability or guarantee.

- Always follow the safety regulations.
- Should you not understand any part of these mounting instructions, please contact your MAY dealer.

Diagram showing mounting procedure and materials



Anti-slip protection

Danger

There is a risk of slipping on moist steel plates, which can cause personal injury.

Moist steel has a low coefficient of friction, shoe soles therefore a low grip. Walking on a moist steel plate may cause injuries by slipping. There are two options to lower this risk:

- Apply a slip resistant paint onto the steel plate surface, or
- Attach a slip resistant adhesive foil.

Manufacturers of slip resistant paint or foil are for example Mipa or 3M.

Anti-shift protection

The weight of the steel plates prevents the parasol from vertical lifting. However, if the wind is coming from the side the parasol base plate may slip on the terrace surface.

Danger

Base plates that are not secured against strong crosswinds may cause personal injuries and damage to property.

Some common floor coverings, such as wood or marble, reduce the coefficient of friction of galvanized steel. Moisture or smooth surfaces may reduce the grip additionally. Make sure to protect the base plates from slipping. Please note that if this instruction is not observed, the manufacturer cannot assume any liability or guarantee. There are two fixing options:

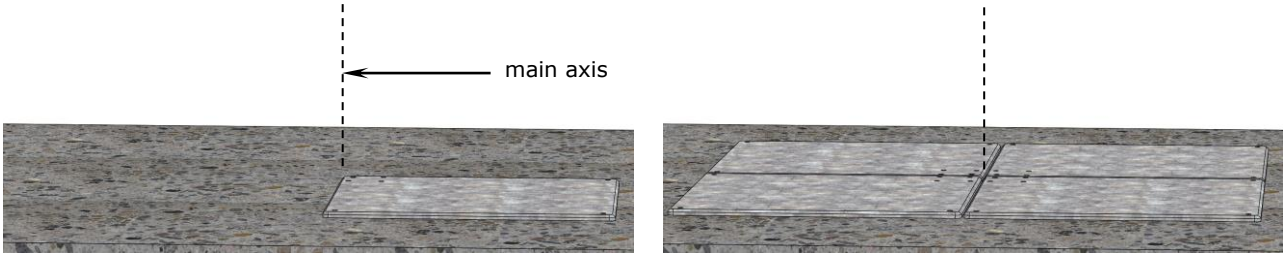
- Anti-slip lock: Fix the plates by screwing them to the floor.
- In case a screwed fixation is not possible, the friction must be increased. Put an anti-slip mat below the steel plates.

1. Increase friction:
   Outdoor rubber mats of the same size as the steel plates (approximately 730 x 730 mm) are needed. There is a MAY anti-slip mat available (art. no. 352791). Position the anti-slip mats according to the desired position of the parasol SCHATTELLO main axis, see following paragraph. Then put the steel plates onto the anti-slip mats.

2. Anti-slip lock:
   Please follow the instructions on the next page for correct mounting of the holding tube. Then use screws to fix the steel plates at the corner boreholes to the floor. In case of concrete floor dowels are needed, use heavy duty wood screws for wooden floors.

Screwing the base pedestal together

1. Centre the four 15 mm thick base plates around the spot determined for the main axis of your SCHATTELLO parasol. Each of the corners with three threads must point to the main axis.



2. Determine the correct position of SZ277 after careful calculation of the main axis of the parasol. Allow enough clearance between parasols or from walls.

Caution

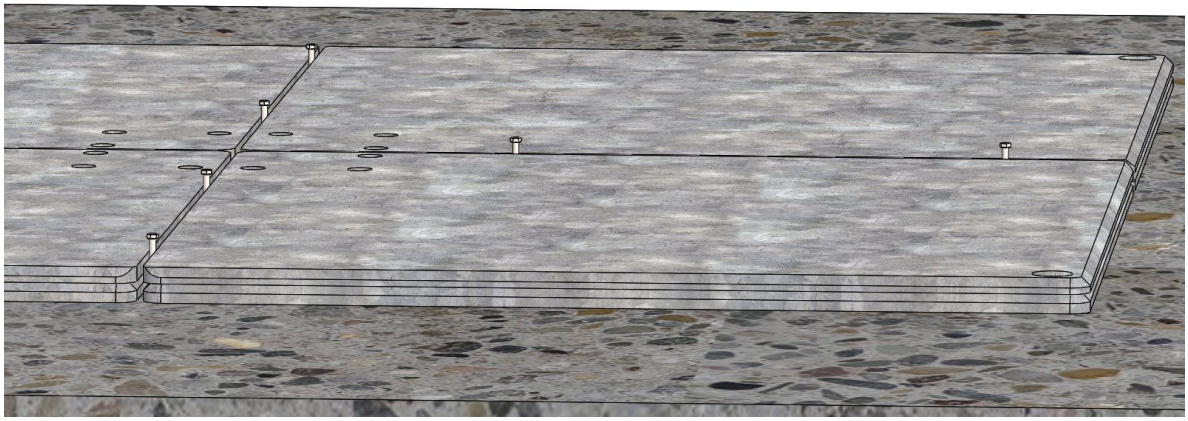
Parasols that are located too close together wear sooner.

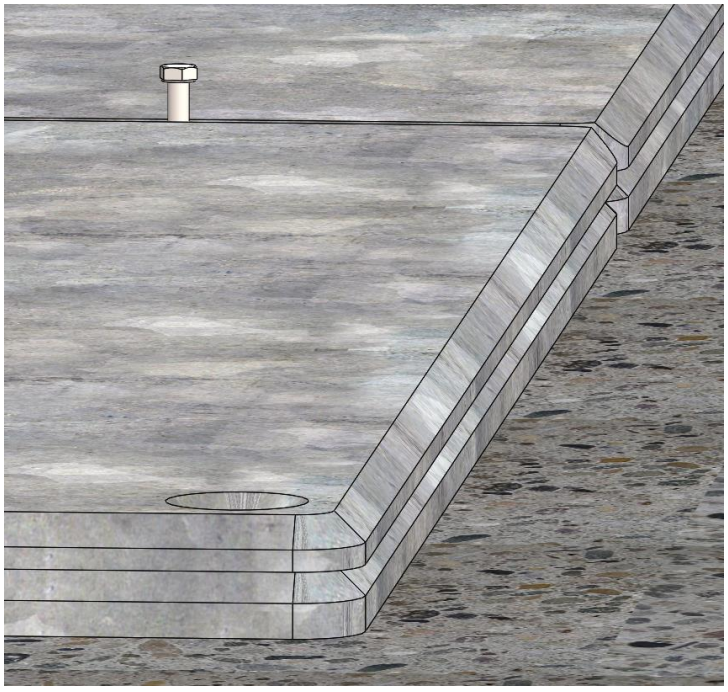
Parasols may sway slightly. If there is not enough space between them, they may touch and abrade or scour the canopy fabric at the spoke ends.

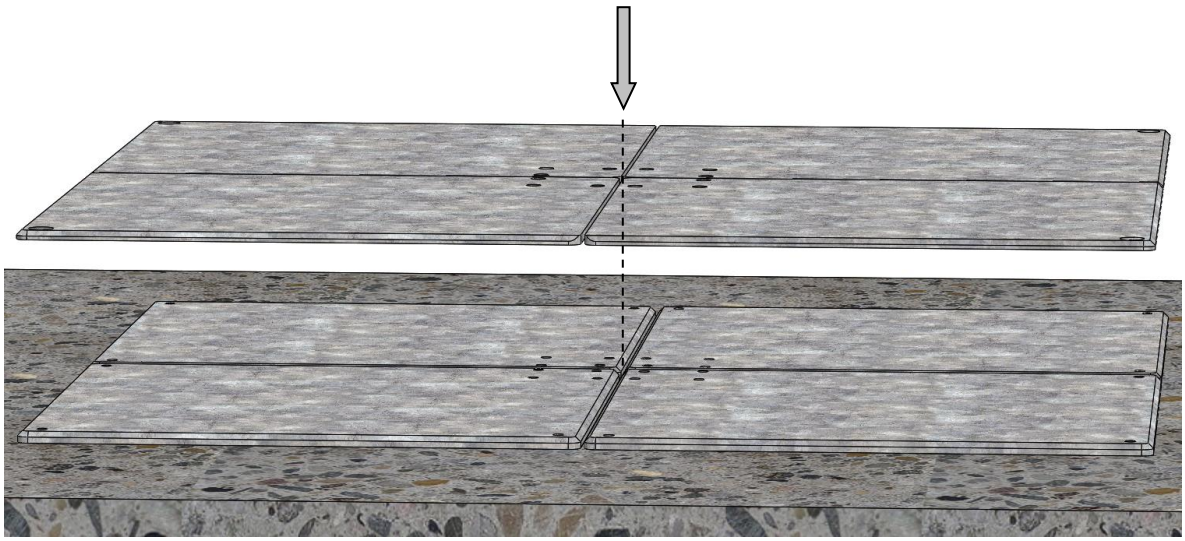
- Make sure that there is a clearance of approx. 20 cm between the parasols (or between parasol and the wall of the house).

3. Put the flange plate in a position that will allow enough space for the parasol to be erected and dismounted.

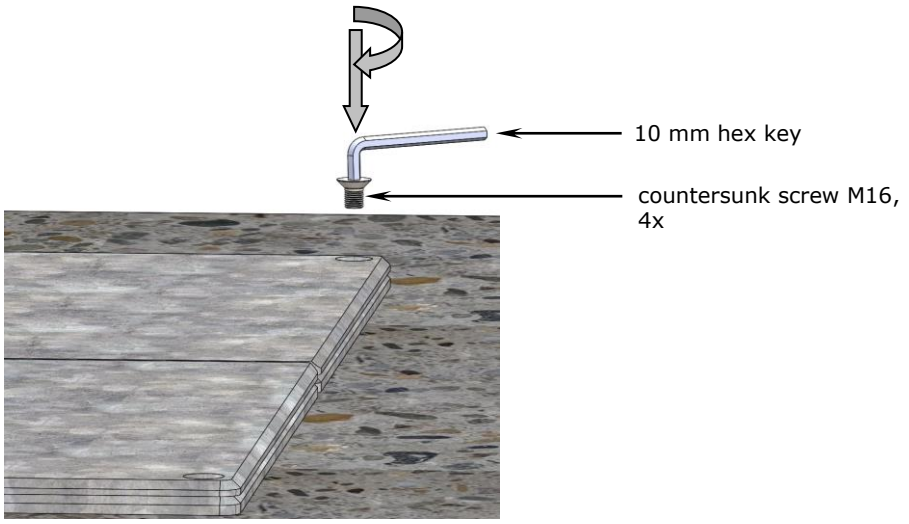
4. Place the 12 mm thick steel plates on top of the 15 mm thick steel plates so that they align perfectly. Use the enclosed hexagonal screws M5 x 60 mm as spacers (and for assembly) between the individual steel plates to ensure precise positioning.



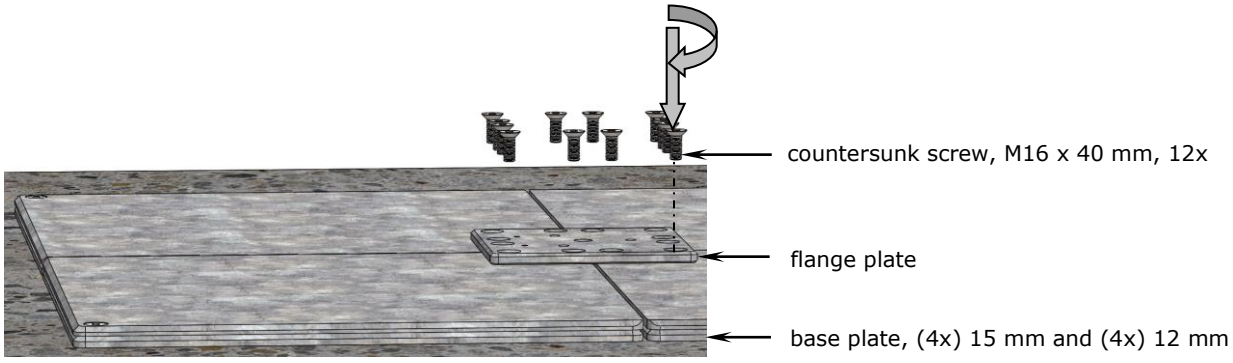


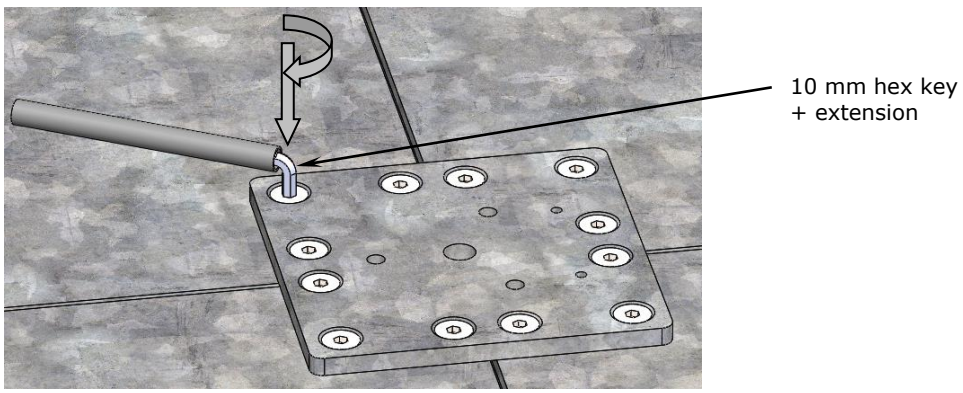


5. Secure the two layers of steel plates at the corners using the countersunk screws. Use the 10 mm Allen key provided. Do this with all four M16 x 25 mm countersunk screws.



6. Screw the flange plate onto the base plates by inserting the M16 countersunk screws into the counter bores and tightening them with the 10 mm hex key and extension provided. Do this with all the 12 countersunk screws. Mind the position of the hinge.





Caution

Screws that are not tightened correctly will work loose.

If screws are not tightened firmly enough, there will not be sufficient tensile force to trigger self-locking. If the screws are tightened too firmly and over-stressed, the screw connection may slacken.

- Tighten the screw manually using the enclosed hex key and extension. Exert as much force as possible. With the enclosed tools there is virtually no risk of over-stressing.
- The correct torque for a torque wrench is 150 Nm.

Caution

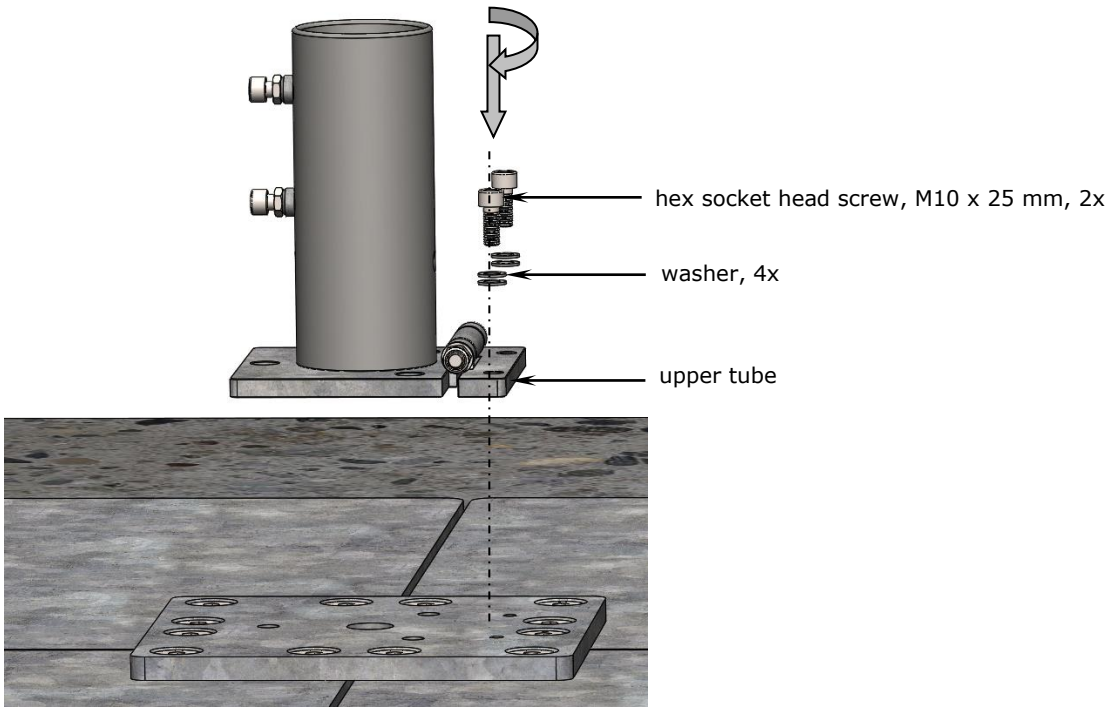
Risk of damaging threads.

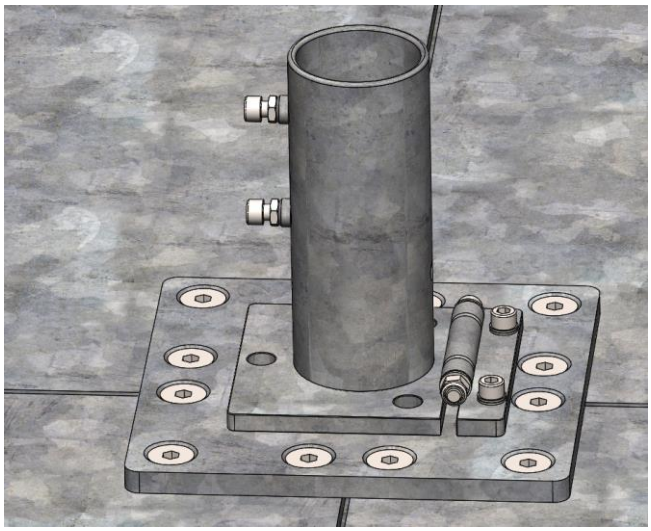
Sand is harder than steel. Driving sand-covered screws may damage the threads.

- It is advisable to clean and grease screws and thread holes.

7. Note that uneven patios are no problem. We are able to compensate any unevenness of the ground by adjusting the height of each individual parasol. Extra-length upper tubes are available at 10 cm gradation. These can be adjusted in height on location with the help of inside spacers. Instructions: may.ag/extralength.pdf

8. Screw the upper tube onto the flange plate (cf. illustration). To do so, slip the 10 mm washer on the M10 hex socket head screw and tighten, using the 8 mm hex key provided.





Caution

Screws that are not tightened correctly will work loose.

If screws are not tightened firmly enough, there will not be sufficient tensile force to trigger self-locking. If the screws are tightened too firmly and over-stressed, the screw connection may slacken.

- Tighten the screw manually using the enclosed hex key. Exert as much force as possible. With the enclosed tool there is virtually no risk of over-stressing.
- The correct torque for a torque wrench is 49 Nm.

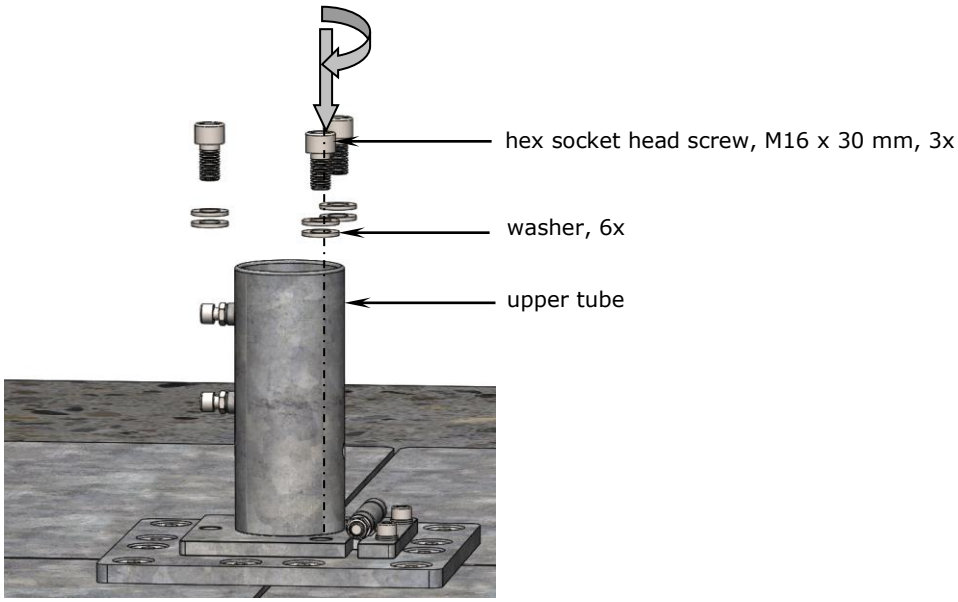
Caution

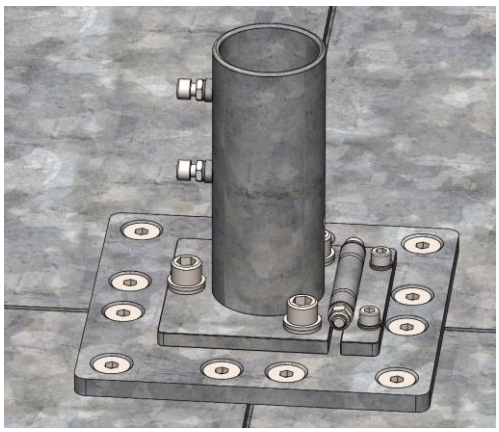
Risk of damaging threads.

Sand is harder than steel. Driving sand-covered screws may damage the threads.

- It is advisable to clean and grease screws and thread holes.

9. Screw the upper tube onto the flange plate (cf. illustration). To do so, slip two of the 16 mm washers on each of the M16 hex socket head screws and tighten, using the 14 mm hex key and extension provided.





Caution

Screws that are not tightened correctly will work loose.

If screws are not tightened firmly enough, there will not be sufficient tensile force to trigger self-locking. If the screws are tightened too firmly and over-stressed, the screw connection may slacken.

- Tighten the screw manually using the enclosed hex key and extension. Exert as much force as possible. With the enclosed tools there is virtually no risk of over-stressing.
- The correct torque for a torque wrench is 210 Nm.

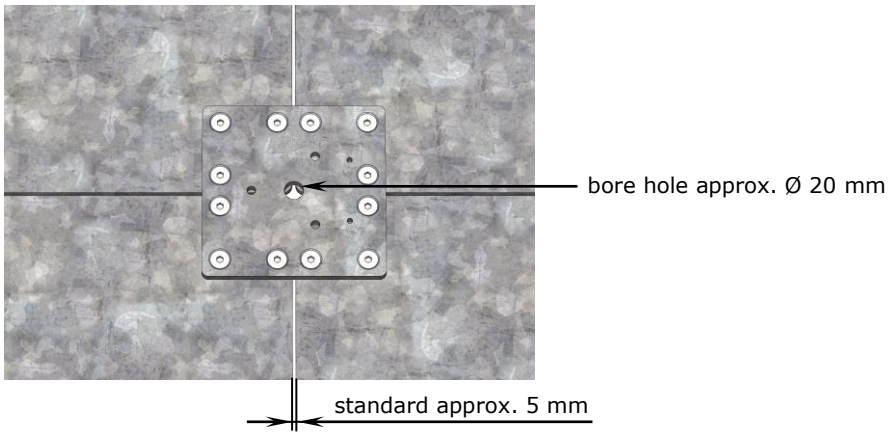
Caution

The thread can get damaged.

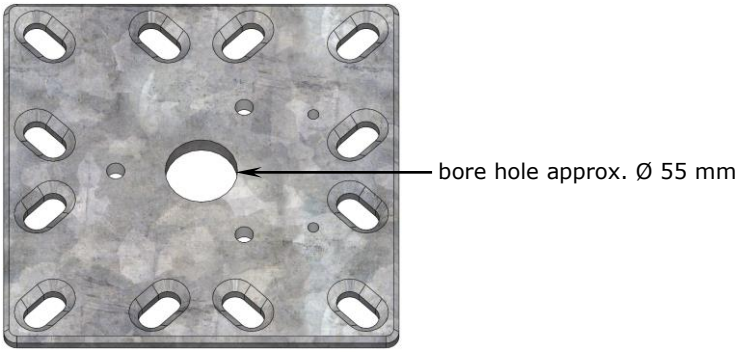
When the top plate is not on the lower anchor tube, sand may get washed into the flanks of the thread. As sand is harder than steel, the thread may get damaged when the screw is turned.

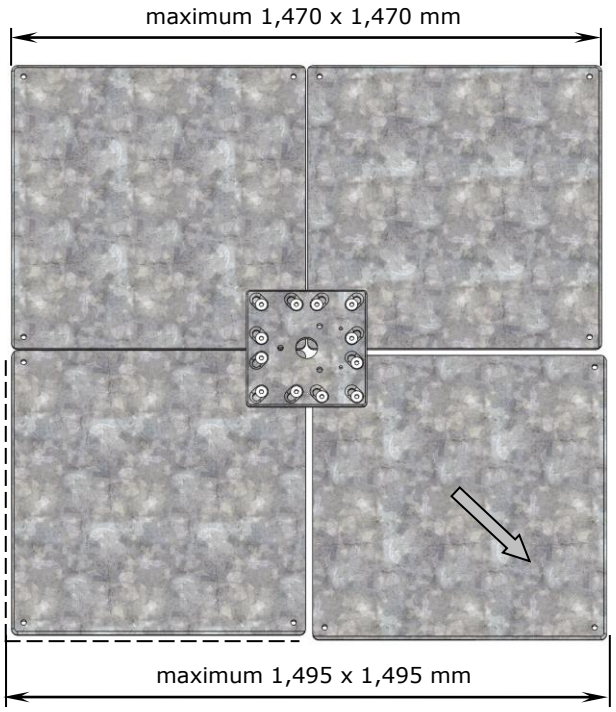
Power supply (optional)

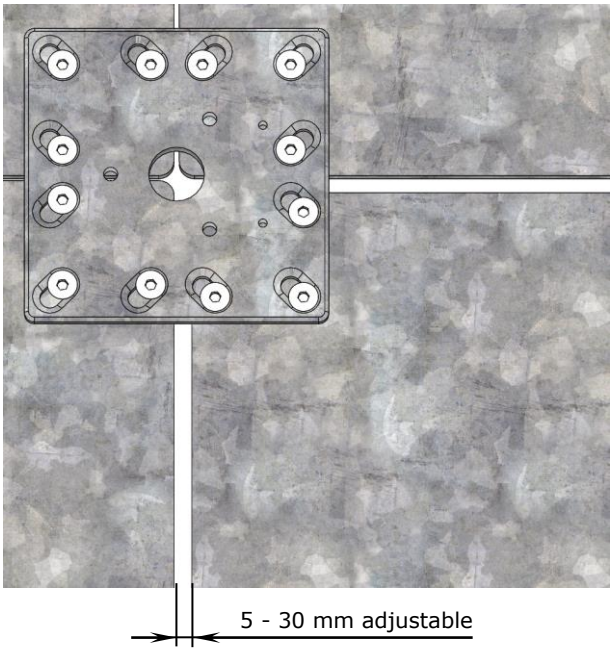
1. Use the centric bore hole at the flange plate for the electric connection.



2. If a bigger centre bore hole or a larger distance between the steel plates is required, a flange plate with long holes can be ordered optionally (art. no. 357172). This allows to move a single base plate or all 4 base plates, which is not related with any restrictions in mechanical capacity. All instructions of this manual remain applicable.







3. Connect the flexible rubber lead (certified approval for outdoor use necessary) and the parasol power-supply. The connection must be absolutely watertight. The ground cable should be installed by a qualified electrician and should be appropriate for the designated consumers and length of the lead.

    - power supply for heaters: 5-pole, min. 4 mm² cable cross section
    - power supply for light: 230 V, 3-pole, min. 1.5 mm² cable cross section; or for 12 V, lay out individually

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Danger

Electric installation work must be carried out solely by a certified electrician. Disregarding this warning may result in serious personal injuries.

Danger

To avoid personal injury in case of faults.

Water in the plug connector can lead to a short circuit. Protect the connector against any water.

- Secure parasol with a 30 mA RCBO protective switch.
- According to law, the functioning of protective switches must be checked at least every six months.

Caution

Danger of short circuit.

Water in the plug connector can lead to a short circuit. Protect the connector against any water.

- Make sure that the plug connector remains above the ground when the parasol is erected, or seal the connector with silicon (or the like) to make it 100% waterproof.

Caution

Fire hazard.

Do not use a dimmer switch. Otherwise the parasol may catch fire. If the parasol is equipped with a timer switch or automatic switch off, a dimmer will interfere with the electrical system.

4. Wire assignment, at the bottom of the mast:

   The assignment of the individual wires can be found in the circuit diagram. The wires are also labelled with stickers.

   The number of wires depends on the installed consumers. Here is an example with five wires.

Storage / Dismounting

1.

Caution

Tripping hazards may cause damage to property or personal injury.

If only the upper anchor tube is dismounted for winter storage, you may be left with a tripping hazard.

- To avoid a tripping hazard, dismount the complete base pedestal.

2. If you have two or more parasols, it is advisable to mark them and their accessories (e.g. with metal-stamped numerals or using a waterproof marker) as soon as they have been dismounted (e.g. for winter storage).

Tip

Marking saves a lot of time and helps to keep things in order.

If clearly marked, each parasol can easily be assigned to its proper location and re-erected parallel to the wall of the house or next to the others.

- For clear and easy later assignment use the same number to mark the centre pole, the upper anchor tube and the lower anchor tube. For example, for parasol No. 1, all three parts should carry number 1, all three parts of parasol No. 2 should be marked with a 2, etc.

3. It is advisable to make a note of the exact position of the flange plate.

4. Grease the screws regularly to prevent them from rusting.