

Installation instructions AZ246, AZ247, AZ248 and AZ249

Free-standing base plate with upper anchor tube AZ120 for ALBATROS Parasols. Please refer to the MAY brochure „commercial parasols“ for the weights required per model. Go to “ALBATROS – Sizes and Technical Data” and look up the “Minimum-ballast”. 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 anchor plate. To avoid any misunderstanding, we advise you to read these instructions carefully and then keep them for later reference.



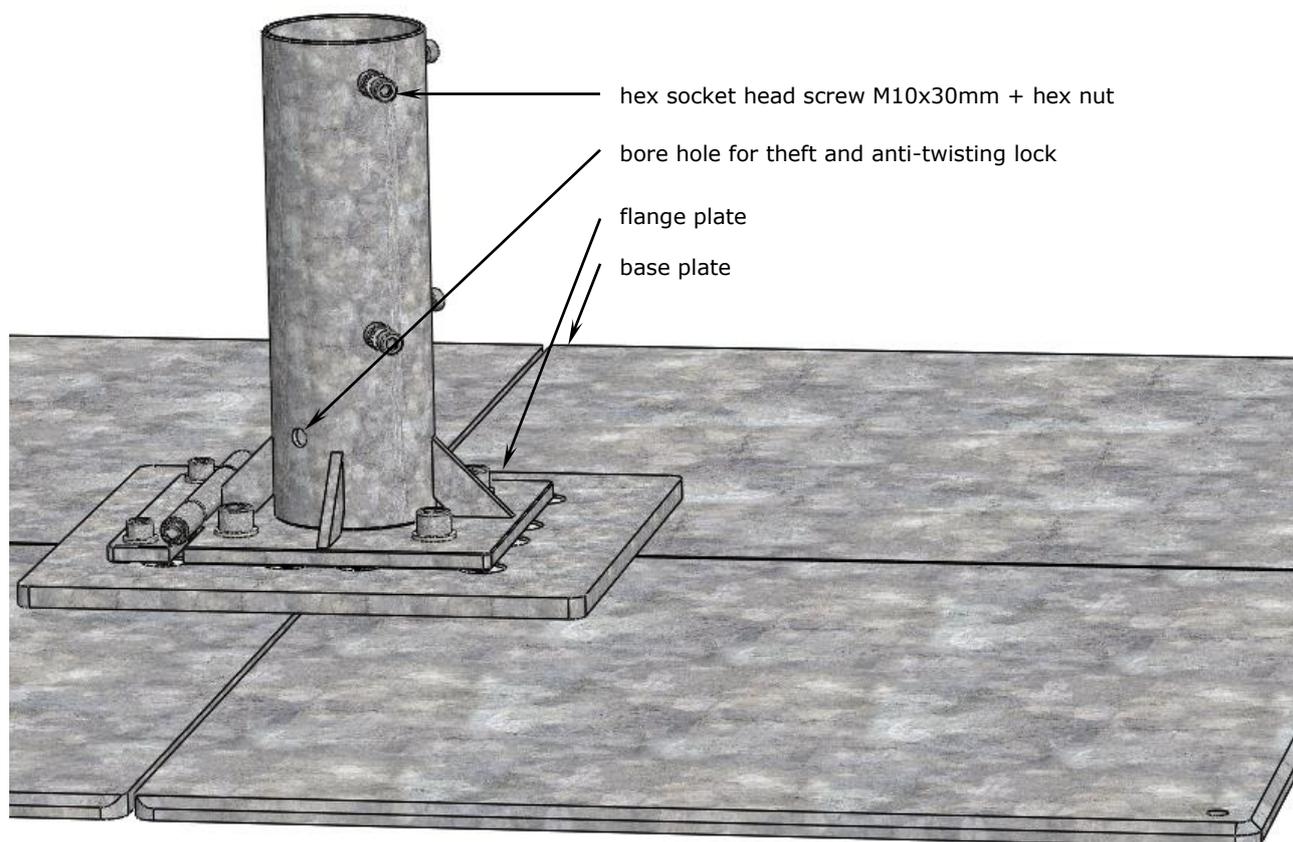
Caution

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.
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Diagram showing mounting procedure



Anti-slip protection



Gefahr

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-slip 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:

An outdoor rubber mat of the same size as the steel plate (approximately 730x730 mm) is needed. There are sets MAY anti-slip mats available (art. no. 352789). Put the anti-slip mats to the desired position of the parasol ALBATROS main axis, see following paragraph. Then put the steel plates onto the anti-slip mats.

2. Anti-slip lock:

Please follow the instructions below 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 terrace floors.

Screwing the base pedestal together

1. Centre the 4 base plates around the spot determined for the main axis of your ALBATROS parasol. The corners with the three threads must point to the main axis. For the bottom layer, make sure to use only steel plates with 3 threads.



2. Determine the correct position of AZ246 / AZ247 / AZ248 / AZ249 after careful calculation of the main axis of the parasol. Allow enough clearance between parasols or from walls.



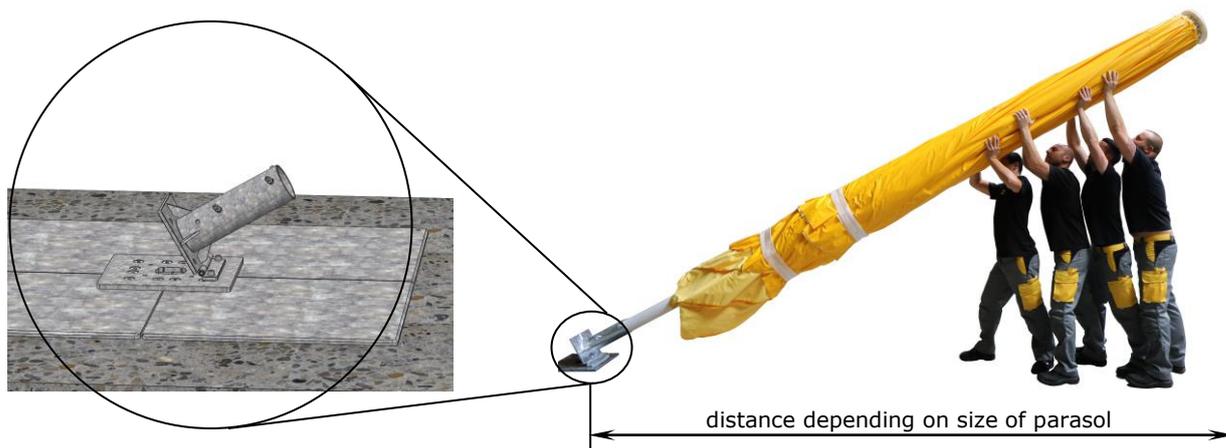
Caution

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.

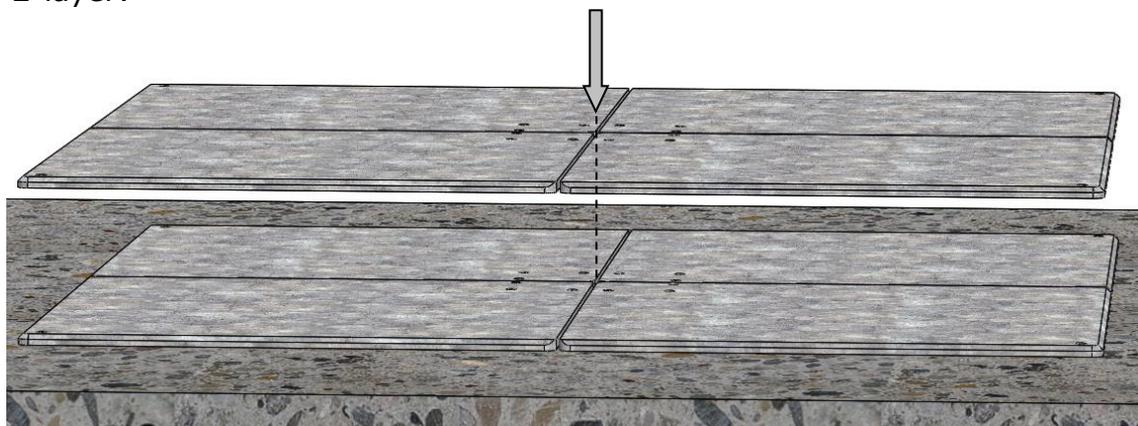
- Make sure that there is a clearance of approx. 20-30 cm between the parasols (or between parasol and the wall of the house).

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

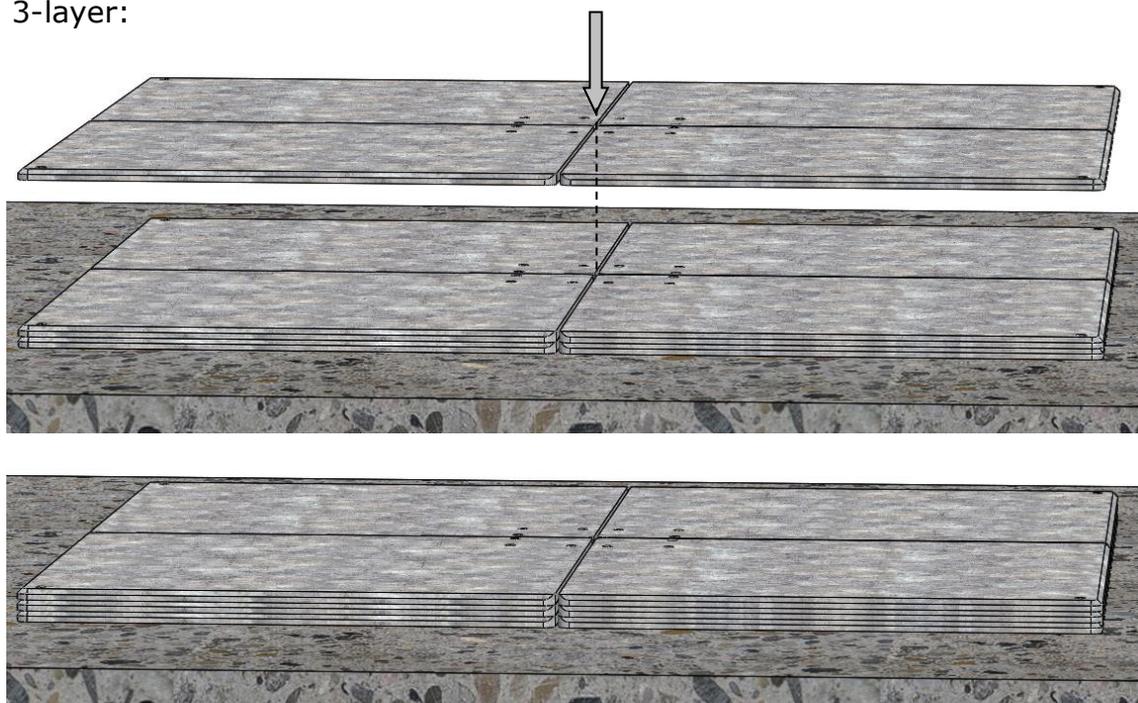


4. For AZ247, AZ248 and AZ249, add the additional layers of steel plates:

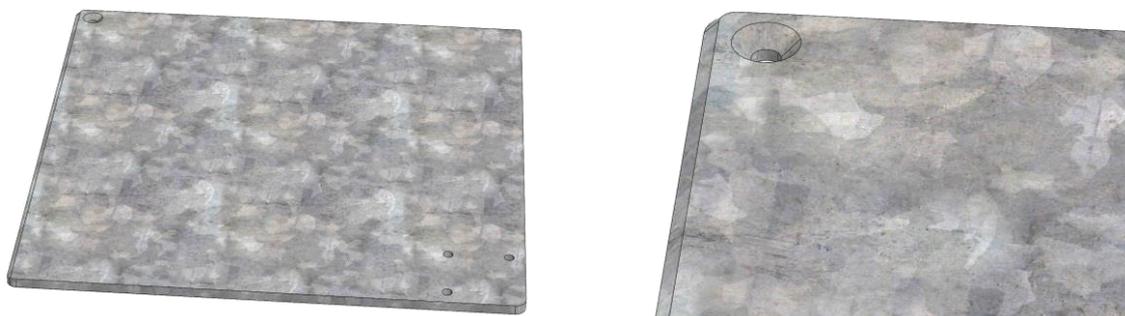
AZ247, 2-layer:



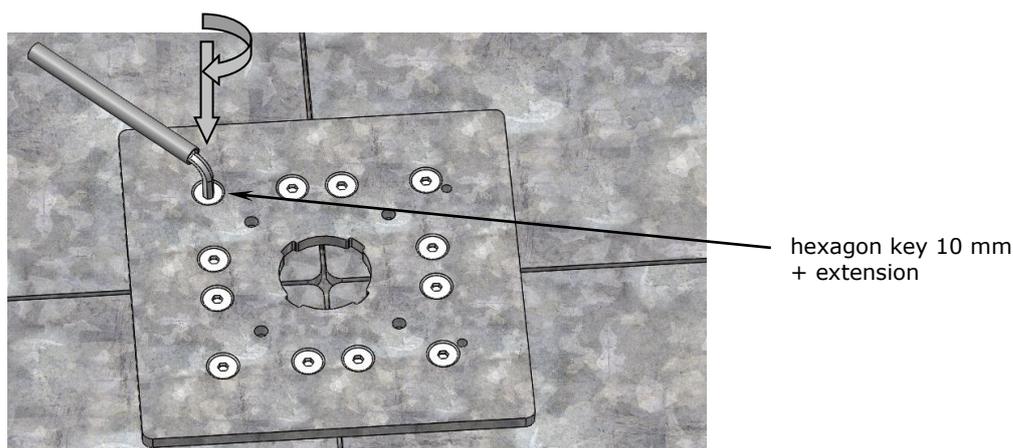
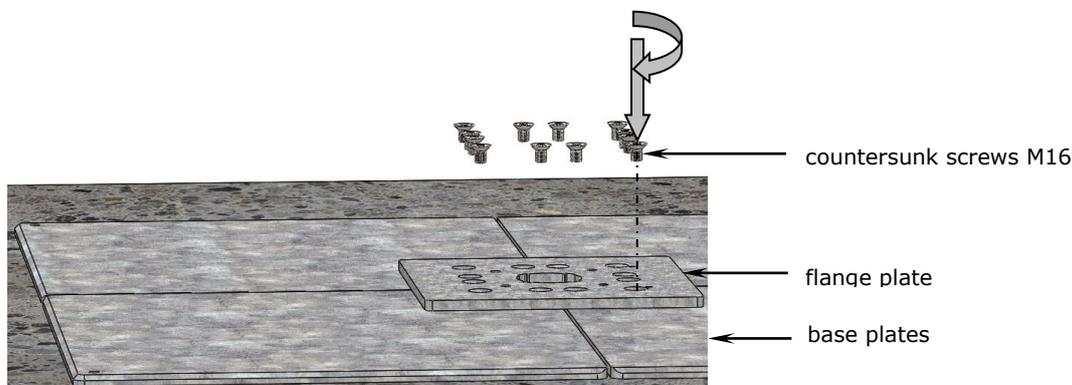
AZ248, 3-layer:



5. Place the top layer of steel plates with the countersinking at the edges facing up.



6. Screw the flange plate onto the base plates by inserting the M16 countersunk screws into the counterbores 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 210 Nm.



Caution

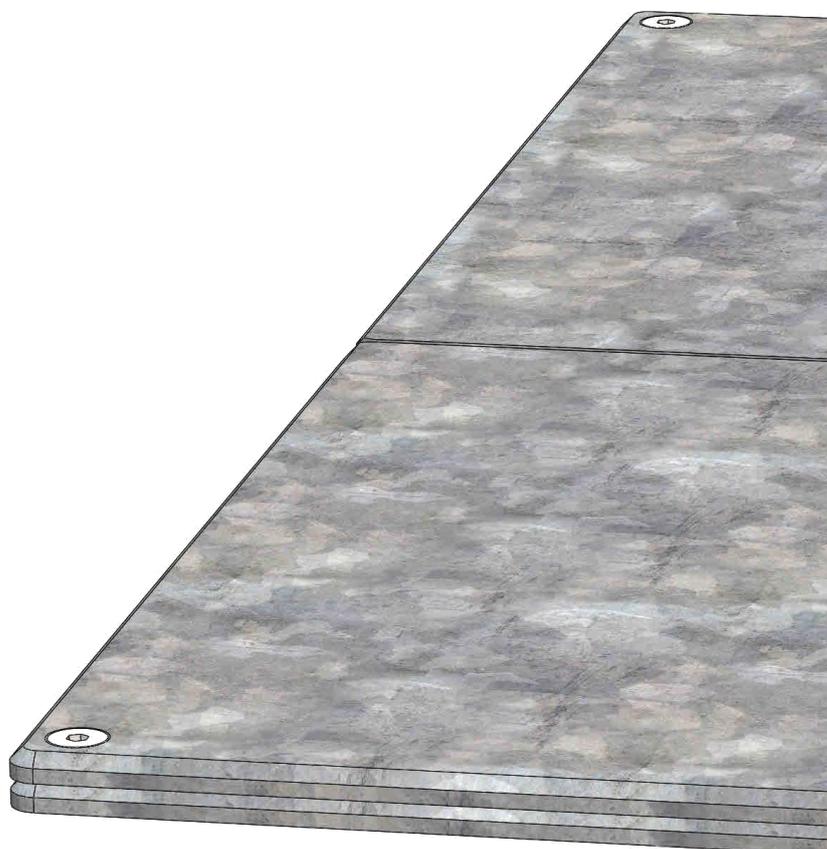
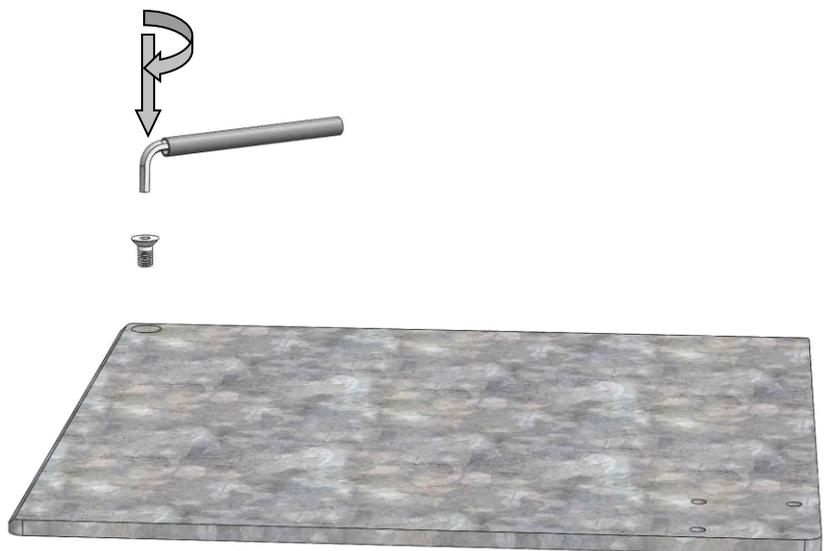
Risk of damaging threads.

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

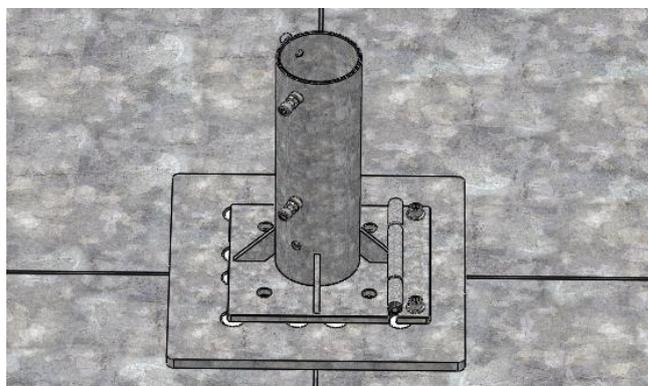
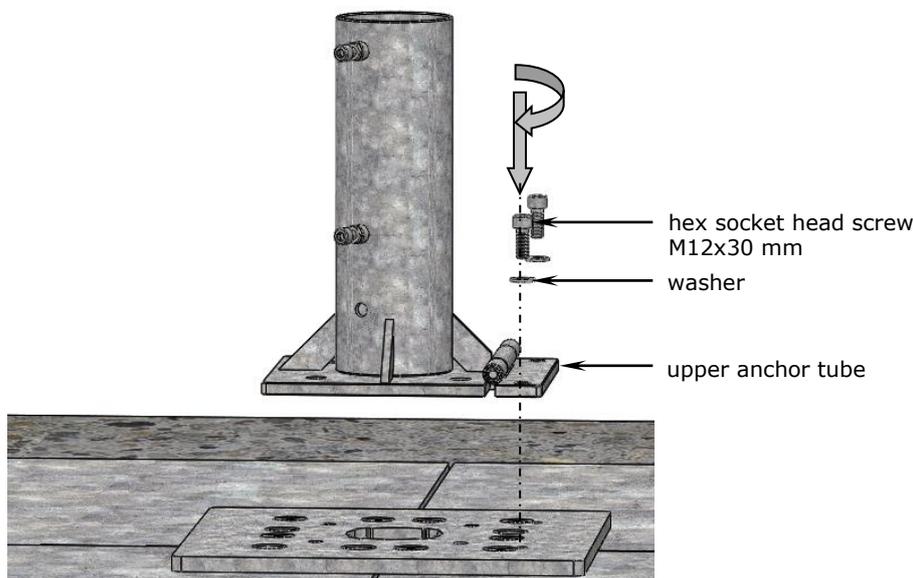
- It is advisable to clean and grease screws and thread holes

7. For AZ247 und AZ248, screw the corners together.

Screw the top layer of steel plates onto the bottom layer. Screw in the 4 hex socket head screws supplied, one in each corner, using the 10 mm hex key.



8. Screw the upper anchor tube onto the flange plate (cf. illustration). To do so, slip the 13 mm washer on the M12x30 mm hex socket head screw and tighten, using the 10 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 M12 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 86 Nm.



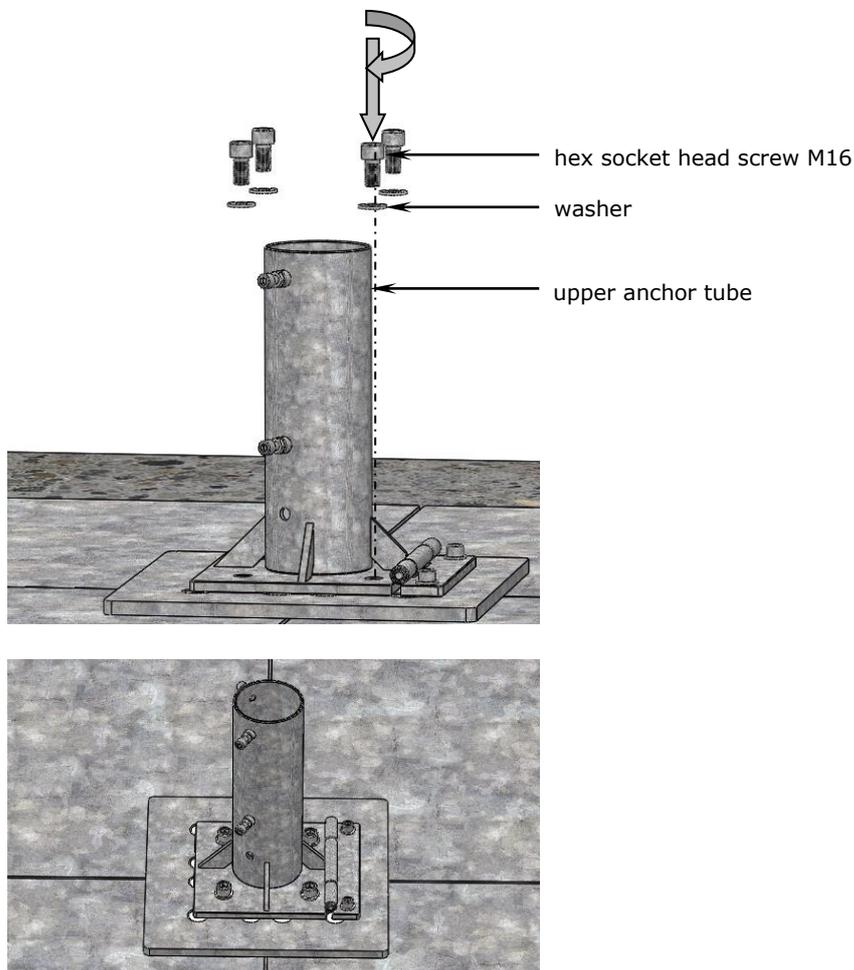
Caution

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 anchor tube onto the flange plate (cf. illustration). To do so, slip the 16mm washer on the M16x30 mm hex socket head screw 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 M12 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.
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Caution

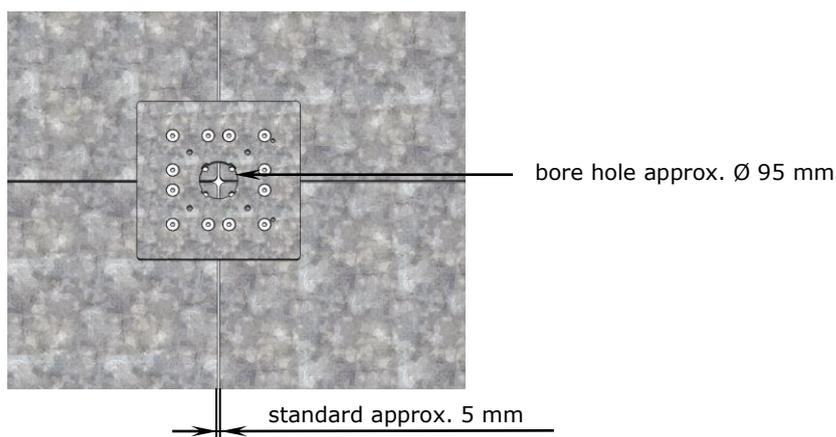
Risk of damaging threads.

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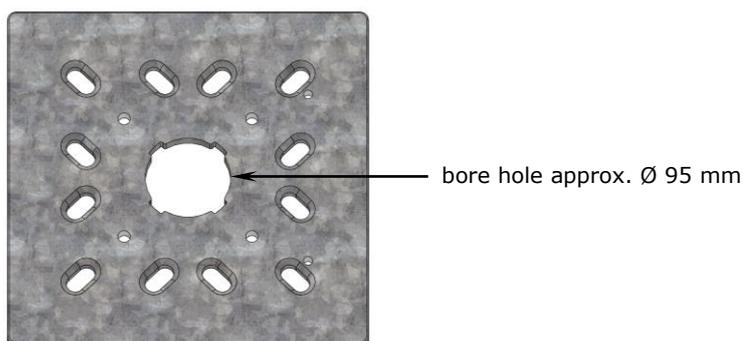
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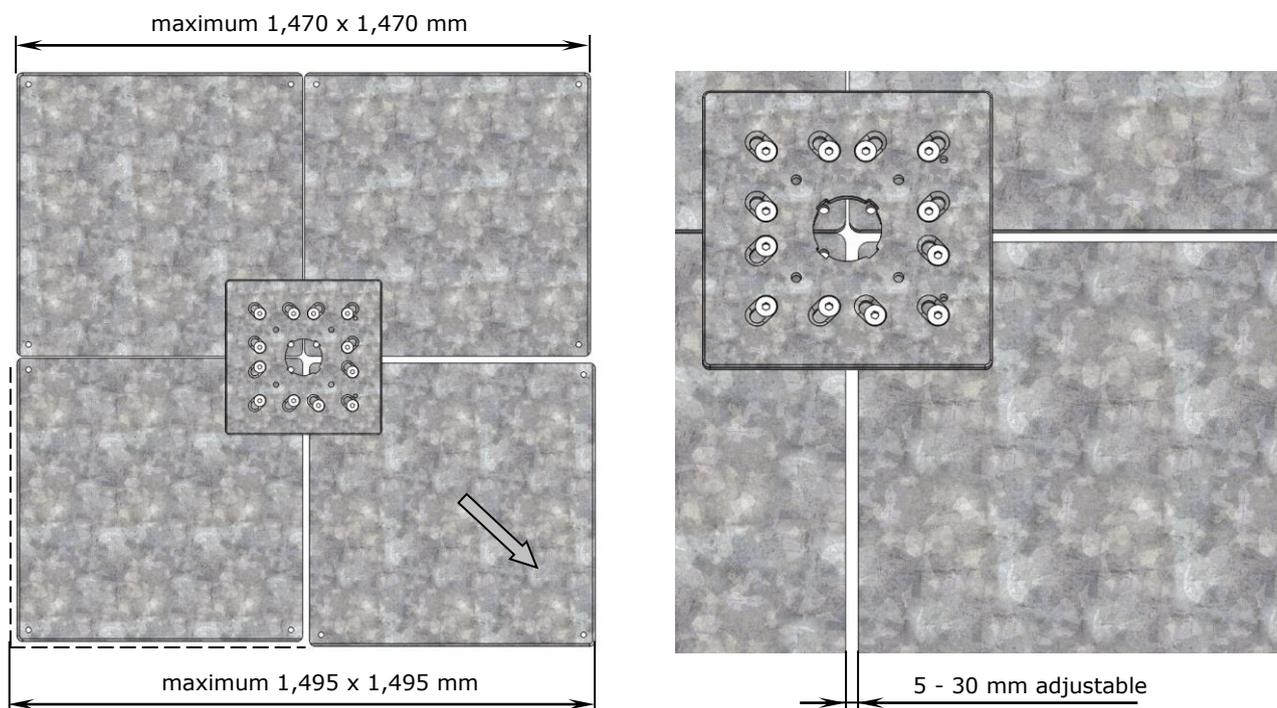
Power supply (optional)

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. 357570). 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. The connection of ground cable and power supply for the parasol must be absolutely waterproof. The ground cable (for heavy current: min. 5-pole, min. 4mm², cable cross section) must be laid to suit the electric load and the length of the lead wire by a qualified electrician.



Danger

Electric installation work should 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 umbrella with a 30mA 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 sunshade 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 sunshade may catch fire. If the sunshade is equipped with a timer switch or automatic switch off, a dimmer will interfere with the electrical system.

4. Wire colours (Number dependent on consumers installed):

green-yellow	= protection
blue	= neutral
brown	= light (if used)
black, white	= heating (if used)
black	= motor (if used)

Storage / Dismounting

1.



Caution

Tripping hazards may cause damage to property or personal injury.

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

- To avoid a tripping hazard, dismantle the complete base pedestal.
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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 dismantled (e.g. for winter storage).

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

Tip

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.
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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.