Mounting instructions SZ210
Full-frame pedestal with screw-on tube with placement hinge, for type SCHATTELLO

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.

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 materials and tools

- hex socket head screw M10x25mm
- hex nut, M10
- bore hole for theft and anti-twisting lock
- hex socket head screw M16 x 30 mm + 16 mm serrated lock washer
- placement hinge
- cable gland for power supply, optional

This height will be made to order.
Screw on upper part

1. Screw the upper anchor tube onto the lower tube (cf. illus.). Slip the 16mm washer on the M16 hex socket head screw and tighten.

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. Use a torque wrench to tighten the screws.
- Set the torque wrench to 210 Nm for the hex socket head screw M16.
- Set the torque wrench to 54 Nm for the hex socket head screw M10.

2. Choose the location for your SZ210. Put the placement hinge in a position that will allow enough space for the parasol to be erected and dismounted.
3. Determine the correct position of SZ210 after careful calculation of the main axis of the parasol. Allow enough clearance between parasols or from walls.

**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. 20cm between the parasols (or between parasol and the wall of the house).

4. Note that uneven patios are no problem for us. We are able to compensate any unevenness of the ground by adjusting the height of each individual parasol. Extra-length upper anchor tubes are available at 10 cm gradation. These can be adjusted in height on location with the help of inside spacers.

5. When setting the SZ210, make sure that the frame pedestal of the bottom component is (almost) flush (-3 mm) with the terrace floor surface.

**Avoid tripping hazard.**
To ensure that the top winter plate (needed as a protective cover in winter when the upper anchor tube has been removed) is flush, the bottom component of SZ210 must be set 3 mm below the terrace surface. (cf. illustration) This checker plate for winter protection is 3 mm thick.
- Be sure to order the SZ210 bottom component with the correct height measurements so that it will fit properly between the top edge of the concrete foundation and the terrace floor surface. Please use our special MAY order form for custom-made production.
- In case of doubt, state a measurement that is slightly too short. Then this component can be jacked up with wedges. Measurements that are too long can, however, not be adjusted.
- The frame pedestal must be sufficiently underpinned until it stands absolutely even and cannot sway in windy conditions.
- When underpinning the frame pedestal, make sure that there is no surface pressure that may damage the separation layer (e.g. bitumen layer) under the frame.
- For height measurements take into consideration that the winter top plate is 3 mm thick.
6. As a rule, the reinforced concrete foundation is not completely even, meaning that the parasol will not necessarily stand perfectly upright.

**In order to ensure that both the upper tube and the parasol are in vertical position, the frame pedestal must be levelled.**

Align the frame pedestal into horizontal position.

- Underpin all four corners with wedges until the frame is even. The wedges should be as broad as possible so that the load is well distributed and will not damage the vapour barrier membrane.
- Use a spirit level to align the SZ208. (cf. Illustration).

![Diagram showing alignment and wedging](image)

7. Place concrete slabs into the frame. In the chart below you can see how many 28 kg (50x50x5cm) concrete slabs you will need for your parasol:

<table>
<thead>
<tr>
<th>Size of parasol</th>
<th>Number of concrete slabs needed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 4m, Ø 5m, 2.5x3.5m, 2.5x4m 2.5x5m, 3x3m, 3.5x3.5m, 3.5x4.5m, 3.5x5m, 4x4m, 4.5x4.5m, 3x4m, 3x5mm, 4x5m, 4x4x4m, 6x6x6m</td>
<td>4 slabs</td>
</tr>
<tr>
<td>Ø 6m, Ø 7m, 4x6m, 5x5m</td>
<td>8 slabs</td>
</tr>
</tbody>
</table>

**A falling parasol can cause serious or even fatal injury.**

If the number of concrete slabs in the frame does not correspond with the size of the umbrella, the parasol may fall and cause injuries.

- Observe the information given in the above chart.
- In windy locations the number of slabs must be increased.
Power supply (optional)

1. Press the flexible connecting rubber lead (certified approval for outdoor use necessary) through the cable gland and tighten the nut so that the rubber is narrowed and tension relief is provided.
2. The connection of ground cable and power supply for the umbrella 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.

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

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.

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.

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.

3. Wire colours (Number dependent on consumers installed):
- green-yellow = protection
- blue = neutral
- brown = light (if used)
- black, white = heating (if used)
- black = heating (if used)
Storage/Dismounting

1. Lift the parasol out of the anchor tube.
2. Remove the upper anchor tube completely by screwing it off.
3. Screw the top plate onto the lower anchor tube. (cf. illus.)

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.

4. If you have two or more sunshades, 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).

Marking saves a lot of time and helps to keep things in order.
If clearly marked, each sunshade 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 sunshade No. 1, all three parts should carry number 1, all three parts of sunshade No. 2 should be marked with a 2, etc.

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