

Installation instructions AZ361

The following instructions include all information necessary for the installation and operation of the concrete parasol base. To avoid any misunderstanding, we advise you to read these instructions carefully and then keep them for later reference.



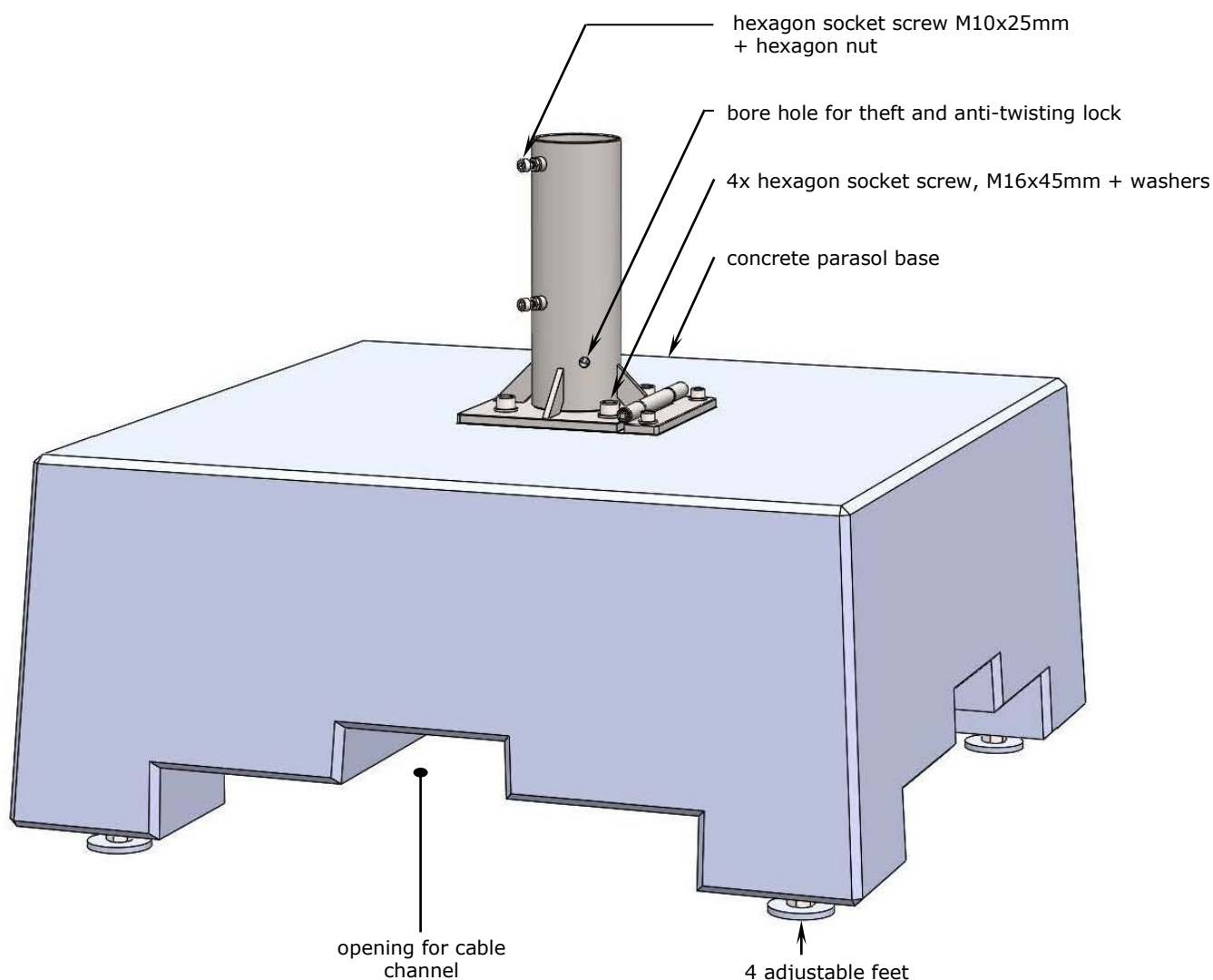
Caution

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 installation instructions, please contact your MAY dealer.

Diagram showing mounting procedure



Preconditions for the use

You have a terrace that does not allow the use of a stationary installation option for your giant parasol (e.g. anchor tube encased in concrete). Following criteria must be met for the proper use of the alternative installation option AZ361.

1. The weight required of the concrete freestanding base depends on the size of the parasol. If the minimum-ballast indicated by MAY is bigger than the weight of the concrete base, the wind-resistance is reduced.



Danger

A falling parasol can cause serious or even fatal injury.

If the weight of the concrete freestanding base is not heavy enough for the giant parasol, it may be lifted and dropped by the wind. This can result in personal injuries or damage to property. Refer to the MAY commercial parasols catalogue for minimum-ballast requirements.

- If the minimum-ballast indicated by MAY is bigger than the weight of the concrete base, the concrete freestanding base must not be used.
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2. The ground where the concrete base is placed must be able carry the total weight through the four adjustable feet.



Danger

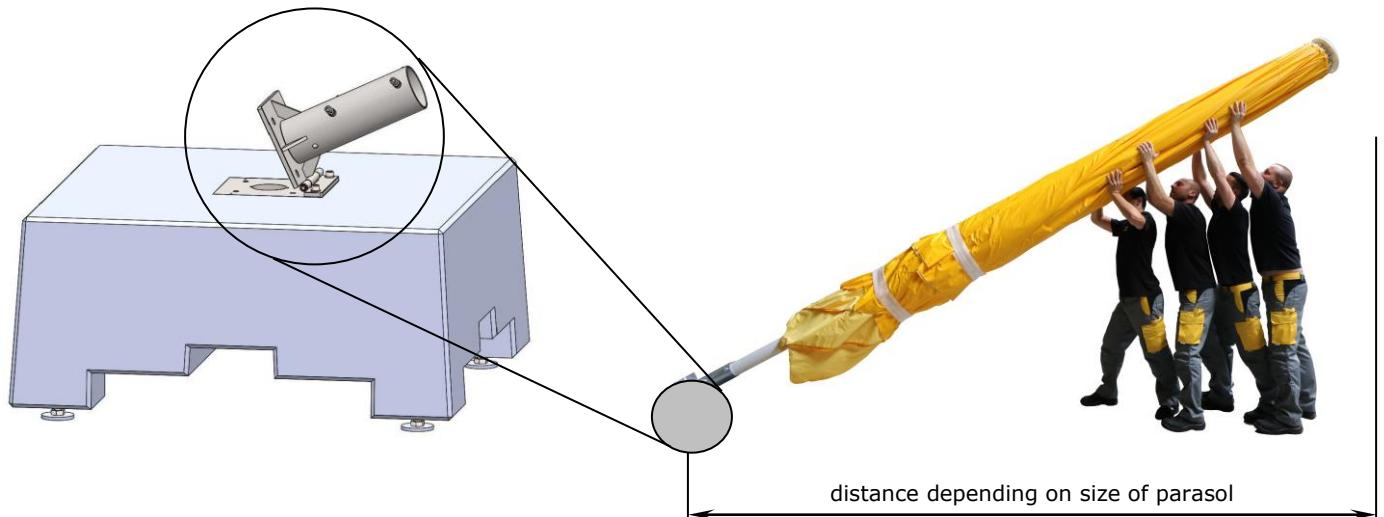
A falling parasol can cause serious or even fatal injury.

If the ground cannot hold the total load of the giant parasol with concrete freestanding base, the floor may sag and so the installation may slope. This can cause the parasol to fall over and result in personal injuries or damage to property.

- Clarify if the floor cover (concrete slabs, interlocking pavement, cobbles, marble slabs, or other), where the 4 adjustable feet are positioned, is strong enough to carry the point loads accordingly.
 - Clarify if the ground below the floor cover (gravel, crushed stone, or other) is compact enough to carry the point loads.
 - Check the ground concerning the static load (weight of the giant parasol with concrete freestanding base) and dynamic load (swaying during wind).
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Positioning of the AZ361

1. Position the concrete base centred at the desired position for the main axis of the giant parasol ALBATROS. Align the concrete base and/or the placement hinge in a way that allows enough clearance for erection and dismantling of the parasol.



2. Determine the correct position of AZ361 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 safety clearance of approx. 25-30 cm between the parasols (or between parasol and the wall of the house).
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3. Align the AZ361 vertically.

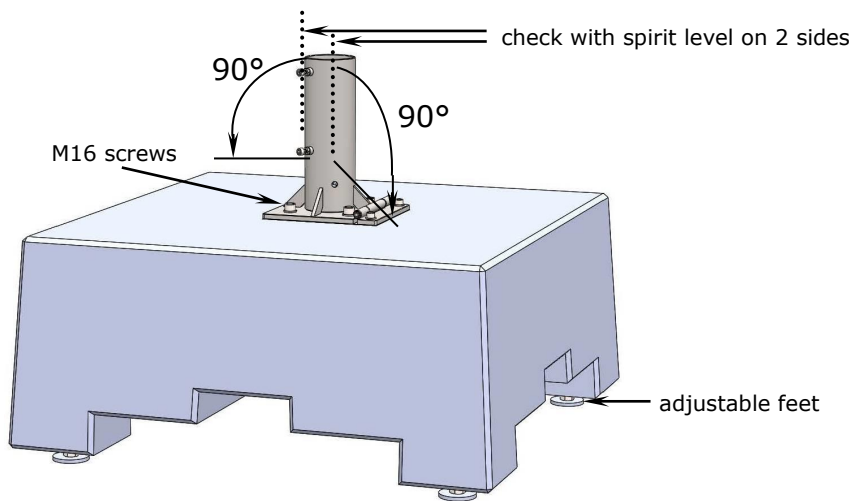


Hint

To make sure the parasol stays in upright position, the AZ361 must be screwed tightly.

If the upper part of the AZ361 has not been aligned vertically, the parasol won't stand absolutely straight. This would downgrade the visual appearance of the parasol. Especially when looking at several parasols in one alignment, this attracts the attention even of regular pedestrians.

- Tighten the four M16 screws at the upper tube.
 - Use a spirit level to align the AZ361 (see illustration) by the 4 adjustable feet (flat spanner size 30).
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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 four M16 screws 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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Transport and load securing with a forklift truck (industrial truck)

1. The transport of a concrete base with a forklift truck (industrial truck) may become hazardous (risk area).



Danger

The transport may cause material damage or personal injury.

Transporting the concrete base with a forklift truck may become hazardous. Possible contacts with surrounding objects or persons may lead to critical situations.

- Only carry out the transport if you have unobstructed view on the risk area.
 - The unobstructed view must be guaranteed for the complete transport.
 - Make sure there are no persons or objects in the risk area.
 - The transport may not be carried out by persons with physical, sensory or mental limitations (also not by children), unless they are supervised and instructed by an authorized person.
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- Pay attention to all safety regulations concerning industrial trucks (for lifts, excavator, etc.)
 - We advise against transporting on uneven grounds. However, make sure all following warnings are observed at any time. Exclusions are only to be made by the authorized person in charge of the transport.
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2. Securement to prevent the load from lateral tilting.

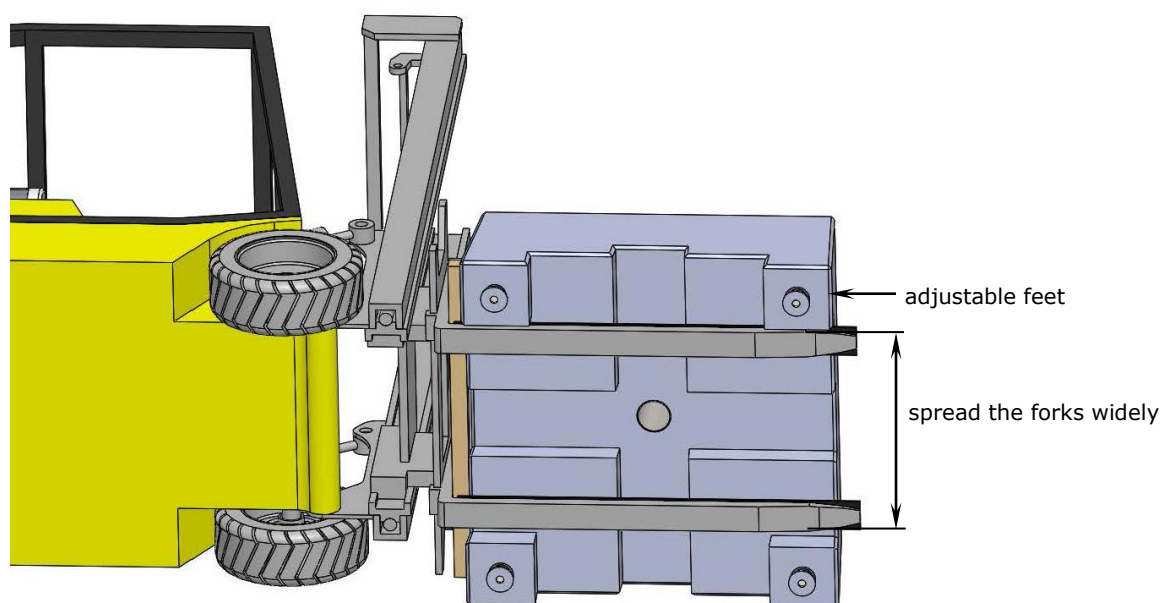


Danger

A concrete base falling off the forklift may cause personal injuries or damage to property. No warranty.

In case the forks of the forklift are too short to fully support the concrete base, it may fall off the forklift. This may damage the concrete base itself or also surrounding objects or the floor covering.

- Spread the forks of the forklift widely to enable the largest possible support for the concrete base.
 - Pay special attention in case of using a forklift with hydraulic fork adjusting device. The strong forces during spreading may damage the concrete base or probably break off the adjustable feet.
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3. Securement to prevent the load from tilting in driving direction.

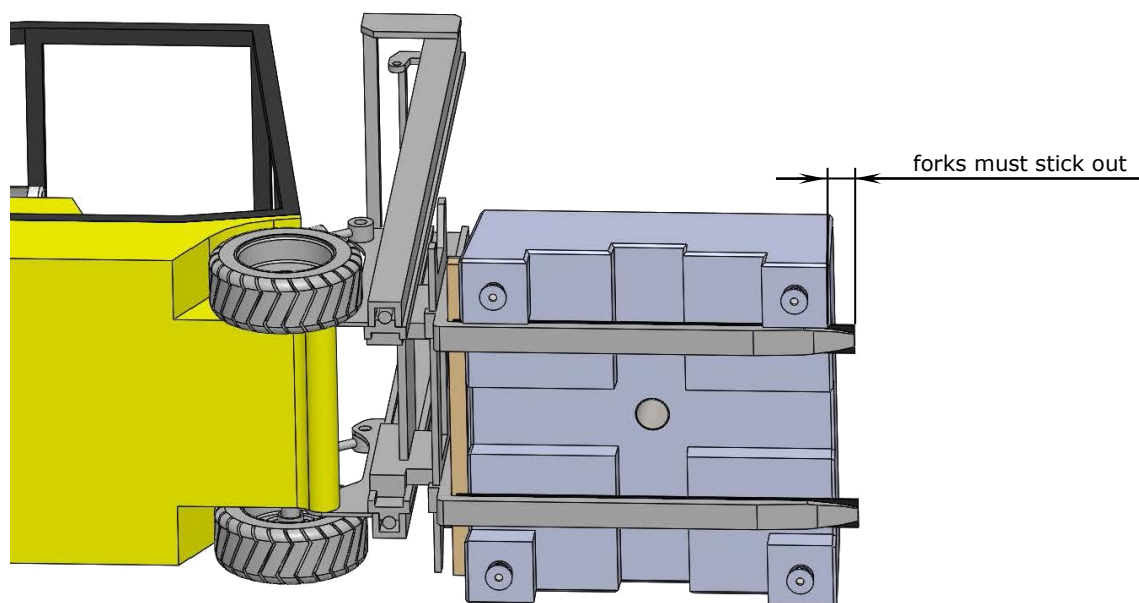


Danger

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In case the forks of the forklift are too short to fully support the concrete base, it may fall off the forklift. This may damage the concrete base itself or also surrounding objects or the floor covering.

- The forks must support the full length of the concrete base. Use forks with a minimum length of 1.2 m. They have to provide support for the total length of the concrete base.



4. Securement to prevent the load from shifting in driving direction.



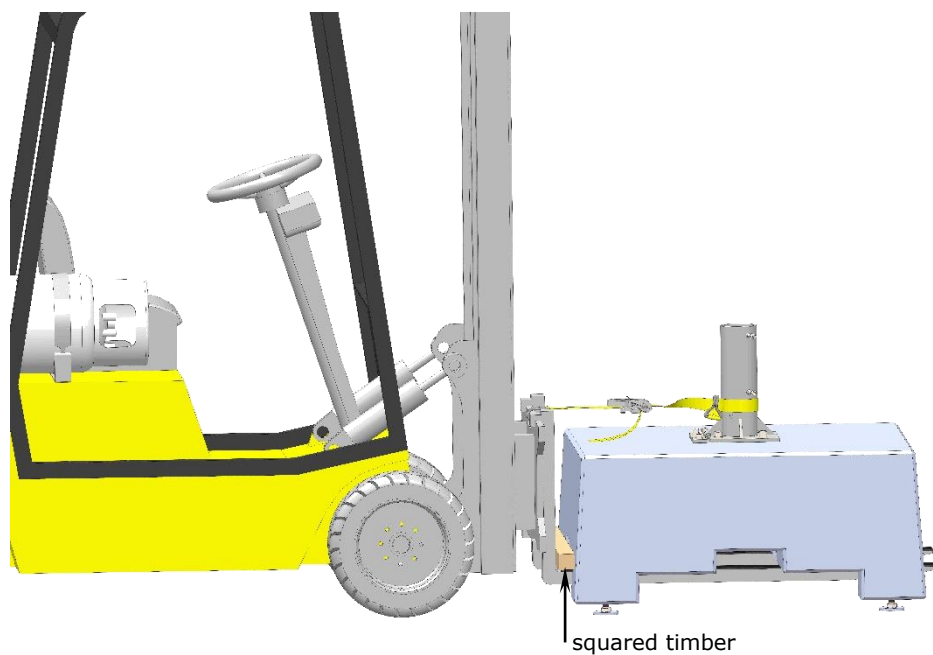
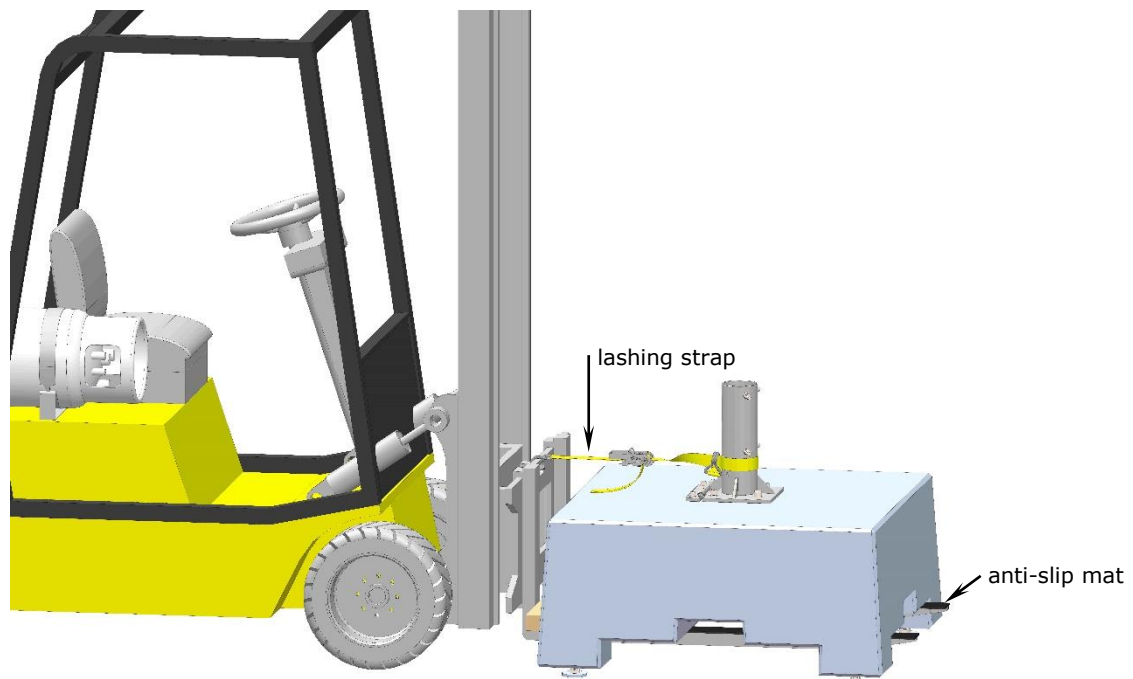
Danger

A concrete base falling off the forklift may cause material damage or personal injury. No warranty.

In case the forks of the forklift are too short to fully support the concrete base, it may fall off the forklift. This may damage the concrete base itself or also surrounding objects or the floor covering.

- Put an anti-slip mat between the concrete base and each fork. This increases the coefficient of friction between concrete and metal.
- The concrete base must be secured with a lashing strap in driving direction. Both, sudden braking and acceleration may become dangerous, therefore the concrete base must be tied-down in both directions. The lashing strap must be guided horizontally around the upper tube and then tied-down at the lift frame.
- Put a squared timber between lift frame and concrete base. Otherwise the forks will damage the edge of the concrete base when the strap is tied-down.
- Transport only in walking pace. Accelerate and brake as gently as possible.

- Use a proper lashing strap that meets the current safety standards. We recommend a lashing strap with ratchet and a minimum of 500 daN.
Explanation: With an Earth's acceleration of 9.81 m/s^2 , 500 kg correspond to 4905 N and/or 490 daN. Therefore, the value of the lashing strap should not be below 500 daN.
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5. The concrete base must always be transported without the parasol.



Danger

Transporting a concrete base with mounted parasol may cause personal injuries or damage to property. No warranty.

Transporting the concrete base including giant parasol is very dangerous. The canopy may get dirty from the lift frame. Top-heavy loads increase the risk of tilting and shifting. Power supply lines may get damaged. That is why the concrete base must not be transported together with the giant parasol.

- Make sure to measure the exact position before transport to avoid later repositioning of the concrete base including giant parasol.
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Assembly: Tools and aids

This chapter provides information for the technician to get optimally prepared for the assembly. Use the following check list to guarantee a smooth and professional assembly.

Depending on individual circumstances it may be helpful to have regular tools and aids available as well. Tools and aids for the electrical equipment are not defined and must be clarified with the electrician in charge.

Tools:

- proper lashing strap, min. 500 daN
- anti-slip mats
- squared timber
- flat spanner size 30