

WE MAKE SUMMER

**COMMERCIAL PARASOLS
FOR PLAYSCHOOLS AND CHILDREN'S PLAYGROUNDS**



Well-protected under one roof

Let your children play – outdoors is fun while being in the fresh air! Sandbox, ball games and just jumping around wild, this is what children need for an optimal development. How would a playschool look like without a garden or sandbox? However, these can only be used if there is a protective roof installed above the children's heads. Giant MAY parasols provide a safe solution for it and make sure the children are protected outside, no matter if the sun is shining or if it is raining. The children can comfortably play outdoors, the teachers comply with their duty of care and the parents know their children in good hands. This brochure shows all necessary information for a successful parasol installation and so for a great start into the summer season.



Optimum UV protection

Healthy shade provider, protection from harmful UV radiation

The sun is a source of life and its light provides our bodies with essential vitamins, but it can also be very dangerous. Studies by the WHO indicate a threefold increase in skin diseases caused by harmful UV radiation. Sun protection is especially important for young children. Toddlers have very sensitive skin and the risk of sunburn, sunstroke and allergies is higher than for adults. The UV Protection Factor (Sun Protection Factor) of our awning fabrics is a unit that indicates to what extent they increase the human skin's natural protection time to direct sunlight. The length of the natural protection of human skin depends on the skin type. For further information please consult our MAY Catalogue for Commercial Parasols, chapter Cloth Collection, section Textiles – Product Information.



Example of a playschool parasol

Special model: Playschool parasol SCHATTELLO Ø 5 m

The colourful, multi-design canopy coverings consist of different, randomly selected segments. Thus each parasol is unique and offers fun and variety on any kids' playground. Only available in size Ø 5 m, MayTex-Acryl, with valance.

Frame finish:
pure white RAL 9010

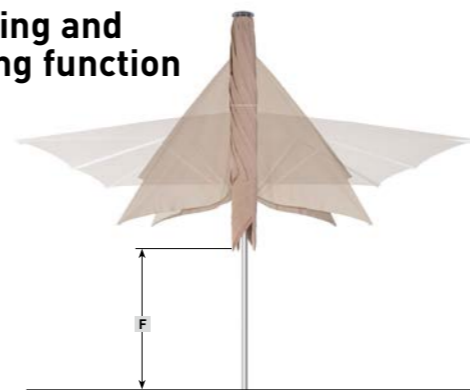
art. no. **SG5000 K001**

Frame finish:
white aluminium RAL 9006

art. no. **SG5000 K002**



Opening and closing function



Parasol type SCHATTELLO is opened and closed by means of the telescoping mechanism of the centre pole. In this way, a play area with relatively high play equipment or other such playground structures can be shaded completely without them having to be moved around. A standard Ø 5m Schattello parasol already has a ground clearance (measurement F) of 1.58 m. For the ground clearance measurements of other parasol sizes please consult our MAY Catalogue for Commercial Parasols, chapter Sizes and Technical Data. Ground clearance can be increased with the help of the following extension methods:

Length extension of centre pole

On request, we can supply parasols with extra-length centre poles, extension of max. 50 cm, at extra charge.

Length extension of upper anchor tube

On request, your anchoring element can be supplied with an extra-length upper anchor tube, extension of max. 40 cm, at extra charge.

Suitable model for any playground

Various parasol models and sizes provide individual solutions. The parasol SCHATTELLO has successfully been used on hundreds of playgrounds and outdoor play areas since many years.

Impact protection for parasol mast

Make sure that the children's playing area is safe. Without safety precautions, carefree romping around may lead to tears. The soft material protects from painful bumps up to a height of 90 cm. If correctly mounted, our protective padding also covers the anchor tube. The vertical connection is fully fastened by hook-and-loop fastener. Therefore, the impact protection is optimally adapted to the parasol mast and so helps to minimize hard edges and corners that may lead to abrasions.

Made from MayTex-PVC, available in all PVC colours of our cloth collection.

FILIUS
SCHATTELLO
ALBATROS

art. no. **350267**
art. no. **350268**
art. no. **350269**



FILIUS

round	Ø 3,0 m	Ø 3,5 m	Ø 4,0 m		
square	1,5 x 1,5 m	2,0 x 2,0 m	2,5 x 2,5 m	3,0 x 3,0 m	3,5 x 3,5 m
rectangular	2,25 x 3,05 m	3,0 x 4,0 m			

SCHATTELLO

round	Ø 3,0 m	Ø 3,5 m	Ø 4,0 m	Ø 4,5 m	Ø 5,0 m	Ø 5,5 m	Ø 6,0 m		
square	3,0 x 3,0 m	3,5 x 3,5 m	4,0 x 4,0 m	4,5 x 4,5 m	5,0 x 5,0 m				
rectangular	1,5 x 3,0 m	2,0 x 3,0 m	2,0 x 4,0 m	2,5 x 3,0 m	2,5 x 3,5 m	2,5 x 4,0 m	2,5 x 5,0 m	3,0 x 3,5 m	3,0 x 4,0 m
	3,0 x 4,5 m	3,0 x 5,0 m	3,0 x 6,0 m	3,5 x 4,0 m	3,5 x 4,5 m	3,5 x 5,0 m	4,0 x 4,5 m	4,0 x 5,0 m	4,0 x 6,0 m
	4,5 x 5,0 m								

ALBATROS

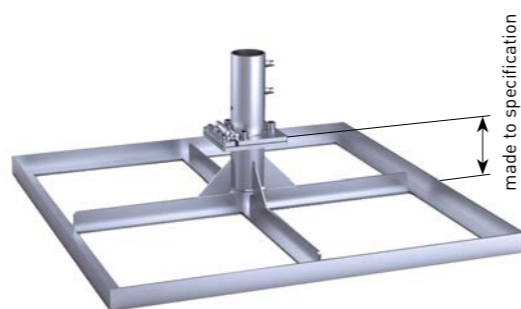
round	Ø 4,0 m	Ø 4,5 m	Ø 5,0 m	Ø 5,5 m	Ø 6,0 m	Ø 6,5 m	Ø 7,0 m	Ø 8,0 m	Ø 9,0 m
	Ø 10,0 m								
square	3,5 x 3,5 m	4,0 x 4,0 m	4,5 x 4,5 m	5,0 x 5,0 m	5,5 x 5,5 m	6,0 x 6,0 m	7,0 x 7,0 m		
rectangular	3,0 x 4,0 m	3,0 x 6,0 m	3,5 x 5,0 m	3,5 x 7,0 m	3,5 x 7,5 m	4,0 x 5,0 m	4,0 x 6,0 m	4,0 x 7,0 m	4,0 x 8,0 m
	4,5 x 5,0 m	4,5 x 5,5 m	4,5 x 7,5 m	5,0 x 5,85 m	5,0 x 7,5 m	5,5 x 6,0 m	6,0 x 7,0 m	6,0 x 8,0 m	7,0 x 8,0 m

Below you will find a selection of the installation options which are suitable for playschool outside play areas. We also offer a wide range of further parasol installation options, including those for parasol types FILIUS and ALBATROS, so that we are sure to find an optimal solution for your installation ground conditions and locations. Our complete range is listed and described in our MAY Catalogue for Commercial Parasols, which can be requested via our homepage www.may-online.com or by phone.

Full frame pedestal with placement hinge

customized height to fit patio surface, frame size 103 x 103 cm, screw-off upper part, galvanized, weight approx. 32 kg, incl. top plate for winter protection. For 1 set of standard concrete slabs 50 x 50 x 5 cm.

art. no. **SZ210**



Base plate with placement hinge

for parasols up to 21 m² in size, to be screwed together on site, heaviest component approx. 50 kg, base plate size 147 x 147 cm, steel plate thickness x = 12 mm, galvanized, weight approx. 214 kg.

art. no. **SZ273**



SZ273 / SZ275

Anchor tube to be embedded in concrete with placement hinge

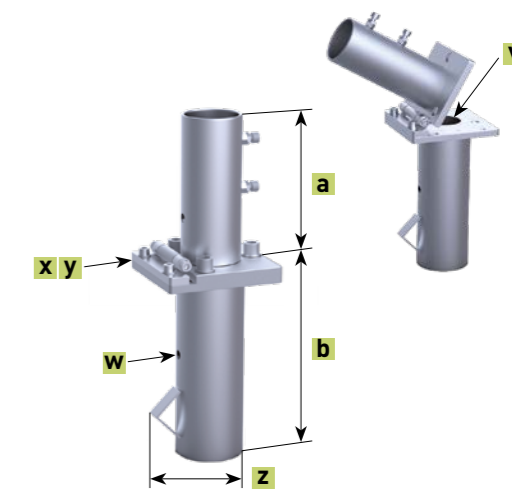
2 pieces, screw-off upper part, galvanized, weight approx. 11 kg, incl. top plate for winter protection.

v = bore for power cable through centre post \varnothing 7 cm.

w = bore hole for underground cable \varnothing 1.3 cm.

a = 23 cm, b = 28 cm, x = 16 cm, y = 17.5 cm, z = 15 cm.

art. no. **SZ150**

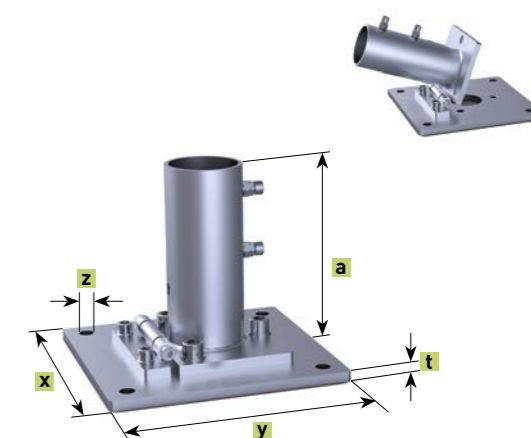


Dowel-anchored plate with placement hinge

galvanized, weight approx. 11.2 kg.

a = 23 cm, x = 26 cm, y = 27.5 cm, t = 1.2 cm, z = \varnothing 1.8 cm

art. no. **SZ131**



Dowel-anchored plate with placement hinge

customized height to fit patio surface, anchor plate 50 x 50 cm, screw-off upper part, galvanized, weight approx. 33 kg, incl. top plate for winter protection.

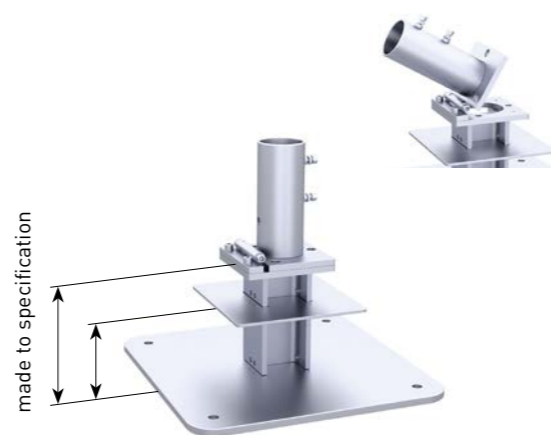
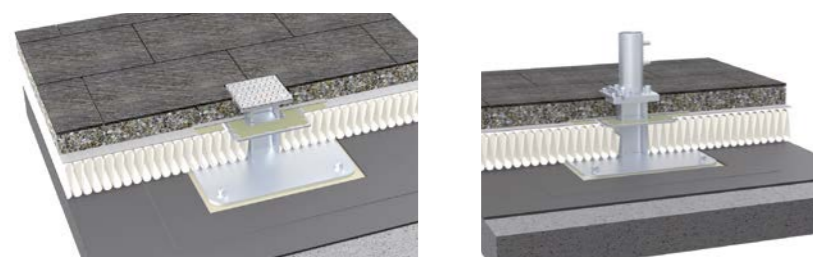
art. no. **SZ127**



Flat-roof dowel-anchored plate with placement hinge

externally insulated roof system, system-conform flat roof connection with liquid plastic, customized height to fit flat roof surface, dowel plate 50 x 50 cm, screw-off upper part, galvanized, weight approx. 38 kg, incl. top plate for winter protection.

art. no. **SZ186**

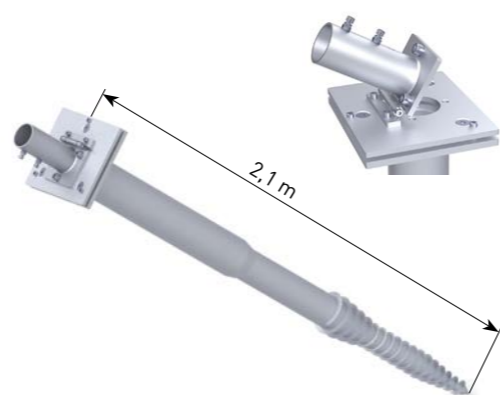


Screw-in ground anchor with placement hinge

suitable for all sizes up to 28 m²; groundscrew with upper anchor tube, incl. standard parts, parts unscrewed on delivery, steel, galvanized acc. DIN EN ISO 1461, weight approx. 46 kg, incl. top plate for winter protection. delivered in two ready-to-assemble parts.

Further information is available in Catalogue Commercial Parasols Page 204.

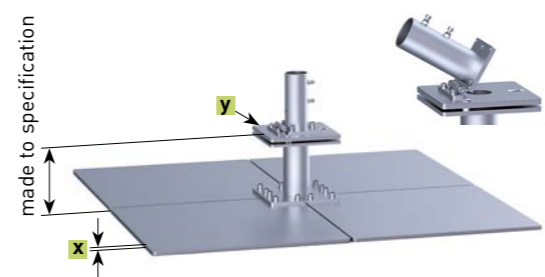
art. no. **SZ350**



Base plate with placement hinge

customized height to fit patio surface, for parasols up to 21 m² in size, to be screwed together on site, heaviest component approx. 50 kg, base plate size 147 x 147 cm, steel plate thickness x = 12 mm, screw-off upper part, galvanized, weight approx. 225 kg, incl. top plate for winter protection, y = □ 28 cm.

art. no. **SZ241**



Installation elements specifically for installation in sandpits

The following pages give information on those methods of installation of SCHATTELLO parasols which are fully compliant with BS EN 1176 standards for "Children's Playground Equipment and Surfacing". Our MAY company offers a variety of installation options that will satisfy the prescribed standards. These guidelines serve as a source of information on our full range of such installation options and, at the same time, serve as an aid for those authorities and persons responsible for decision-making regarding equipment and safety in playschool play areas. Basically, there is a choice of two installation options.

Upper anchor tube with placement hinge (all installation options on pages 6 -8):

This option makes mounting and dismounting (for winter storage) easier, as the parasol can be swayed into position, while guided in one direction. In this way, the danger zone is reduced to a minimum, i.e. it is an effective way of avoiding accidents.

When the parasol is mounted in a sandpit, children might fill sand into the gap between the upper anchor tube and the centre pole. Consequently, the different components may get wedged, making dismounting difficult. This is where an anchor tube with placement hinge proves useful. To unjam the pole, the parasol is swayed into horizontal position and, by simultaneously turning and pulling the upper anchor tube out of the lower tube, it becomes easier to release the centre pole.

If, in spite of everything, the centre pole is still wedged because of sand, it is, nevertheless, possible to dismount the parasol together with the screwed-on upper anchor tube. Lay the parasol in horizontal position, then unscrew the upper anchor tube from the lower anchor tube. As the connecting screws are on the outside of the flange, it should not be difficult to get at the screws with a hex key.

Upper anchor tube without placement hinge (e.g. SZ118, cf. MAY Catalogue for Commercial Parasols):

As the parasol is, in itself, top-heavy, the mounting process bears certain risks. As soon as it has been taken out of its sleeve, it should always be held facing the person responsible for mounting it. Should it start to fall, it can then be caught quickly and accidents or injury can be averted. Theoretically, the danger zone is 360° round the parasol axis and should be secured completely.

Compared to the installation option with placement hinge, there is a higher risk of damage to property or personal injury because the parasol cannot be guided in one direction when swayed into position.

If the centre pole gets wedged because of sand, it can only be unjammed by turning and pulling it simultaneously. This is more difficult to do when the pole is in vertical position (without placement hinge) than when it lies in horizontal position (with placement hinge).

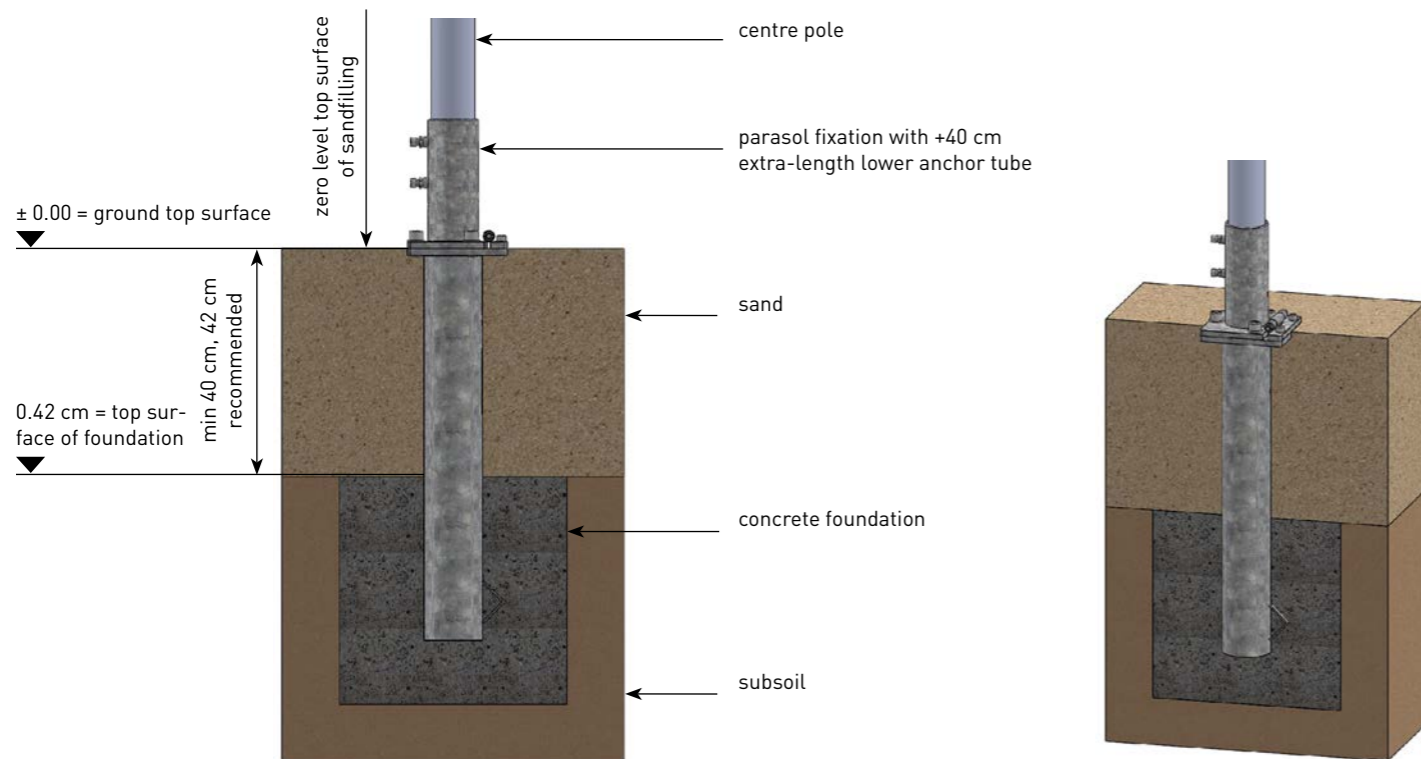
The parasol can only be dismounted when the centre pole has been removed from the upper anchor tube. This is due to the fact that the bolt which connects the upper with the lower anchor tube is positioned in the centre of the flange.

Should you decide on the installation option "without placement hinge", we advise you to seal the gap between the upper anchor tube and the centre pole with Duck tape so that children will not be able to fill up the gap with sand. Make sure that the Duck tape is of high quality and control its functionality regularly. (We recommend annual control.)

In view of the fact that the installation option "with placement hinge" offers more functions, thus making the handling of the parasol easier, the following pages will deal with the different installation possibilities that apply to SZ150 and SZ131.

On request, we will be pleased to send you our Installation Instructions for the different installation elements. These include detailed descriptions and illustrations regarding mounting the parasol, dimensioning the foundation, drafting formwork and reinforcement plans as well as mounting and dismounting the parasol for winter storage.

Installation method 1: SZ150 with +40 cm extra-length lower anchor tube



Advantage: The parasol can be mounted and dismantled properly. The placement hinge will function to its full extent without sand having to be removed before installation.

Disadvantage: The flange lies exposed on play area level (top surface of sandfilling), which means that there is a certain risk of injury for playing children. This installation method is, nevertheless, compliant to BS EN 1176 standards.

1. Foundation, height positioning

If the anchor tube is set in concrete as shown above, official standards will be met.

2. Lower anchor tube

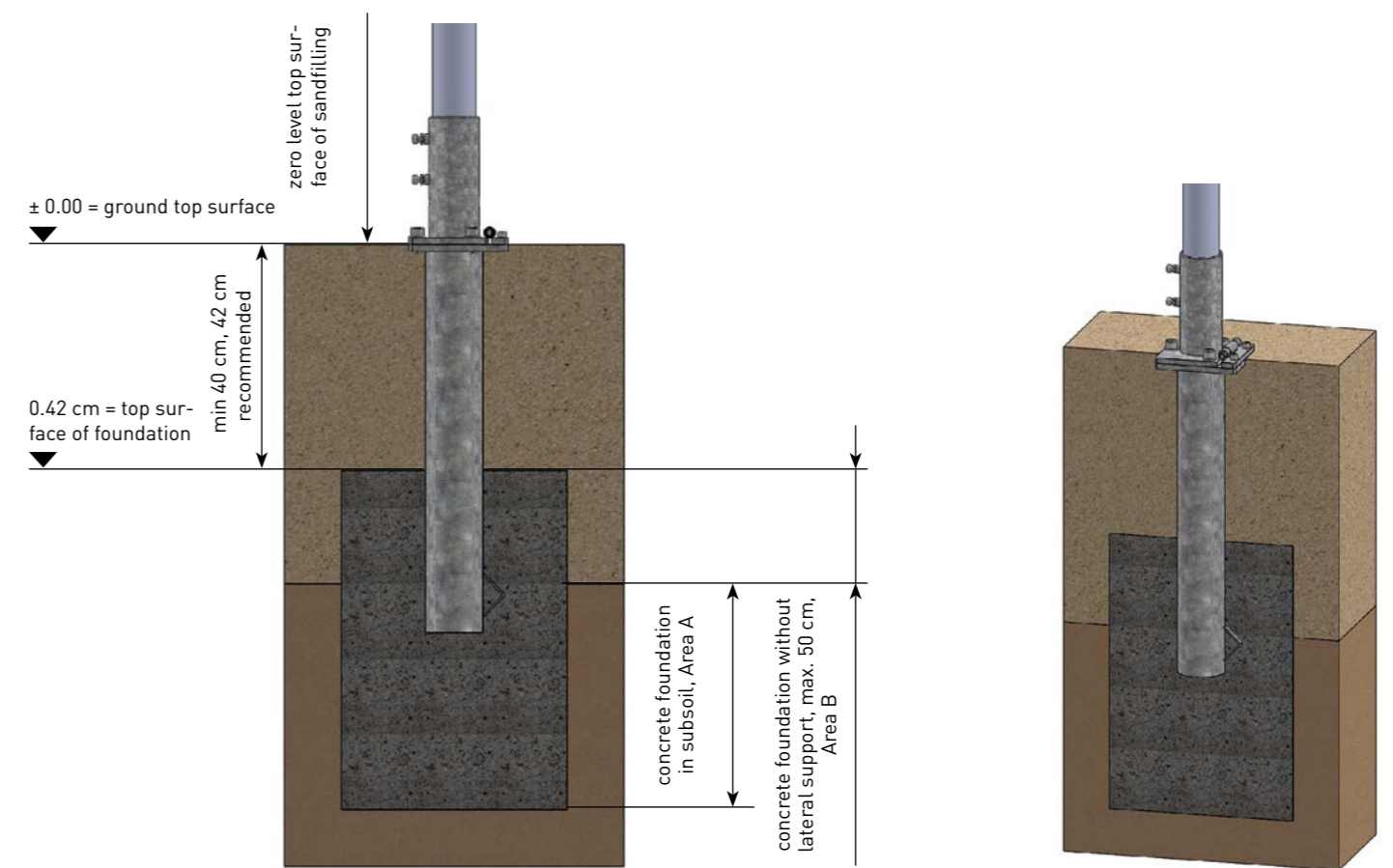
Be sure to order the lower anchor tube with a +40 cm extension.

3. Zero-level flange plate

Theoretically, a parasol mast could be regarded as a climbing pole. In that case, a zero-level flange plate would not be permissible. Furthermore, according to regulations in BS EN 1176, a centre pole with an outer diameter of 76 cm and 100 cm cannot be permitted for use as a climbing pole because:

- the parasol centre pole has no grip: According to BS EN 1176 standards, grip requirements are met with a pole diameter of 16 – 45 mm.
- the parasol pole has no grasp: According to BS EN 1176 standards, grasp requirements are met with a pole diameter of max. 60 cm.

Installation method 2: SZ150 with +40 cm extra-length lower anchor tube



As shown in Installation method 1, except that the sand layer is to be higher than 42 cm. This may give rise to two questions:

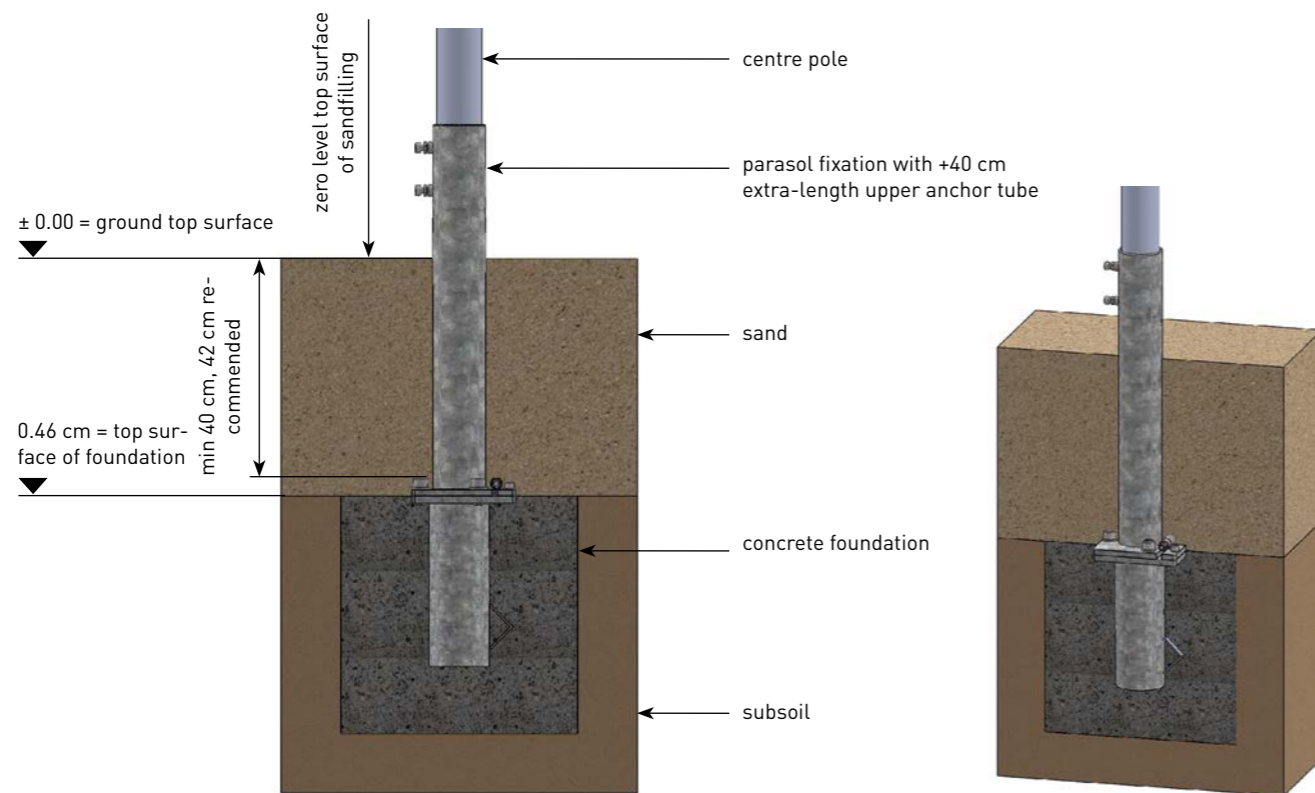
1. How can the increase in height be achieved with an extra-length lower anchor tube?

In order to have a sand layer height of more than 42 cm and, at the same time, not fall below a pole embedment depth of 17.5 cm, the total height of the concrete foundation must be increased. Only Area B may vary in height, otherwise it will not be possible to meet BS EN 1176 standards and observe the regulations for the dimensions of the foundation in Area A. If, for example, the sand layer is to be 92 cm high, the concrete foundation in Area B must have a height of 50 cm. (42+50=92)

2. In Area B the concrete foundation has no lateral support. What effect does this have on the foundation of Area A?

Static calculations show that, for a maximum sand layer height of 92 cm, the concrete foundation of Area A need not be wider or higher than the prescribed dimensions. Dependent on the size of the parasol, the standard width and height varies from 50 x 50 cm to 60 x 60 cm. (cf. MAY Installation Instructions).

Installation method 3: SZ150 with +40 cm extra-length upper anchor tube

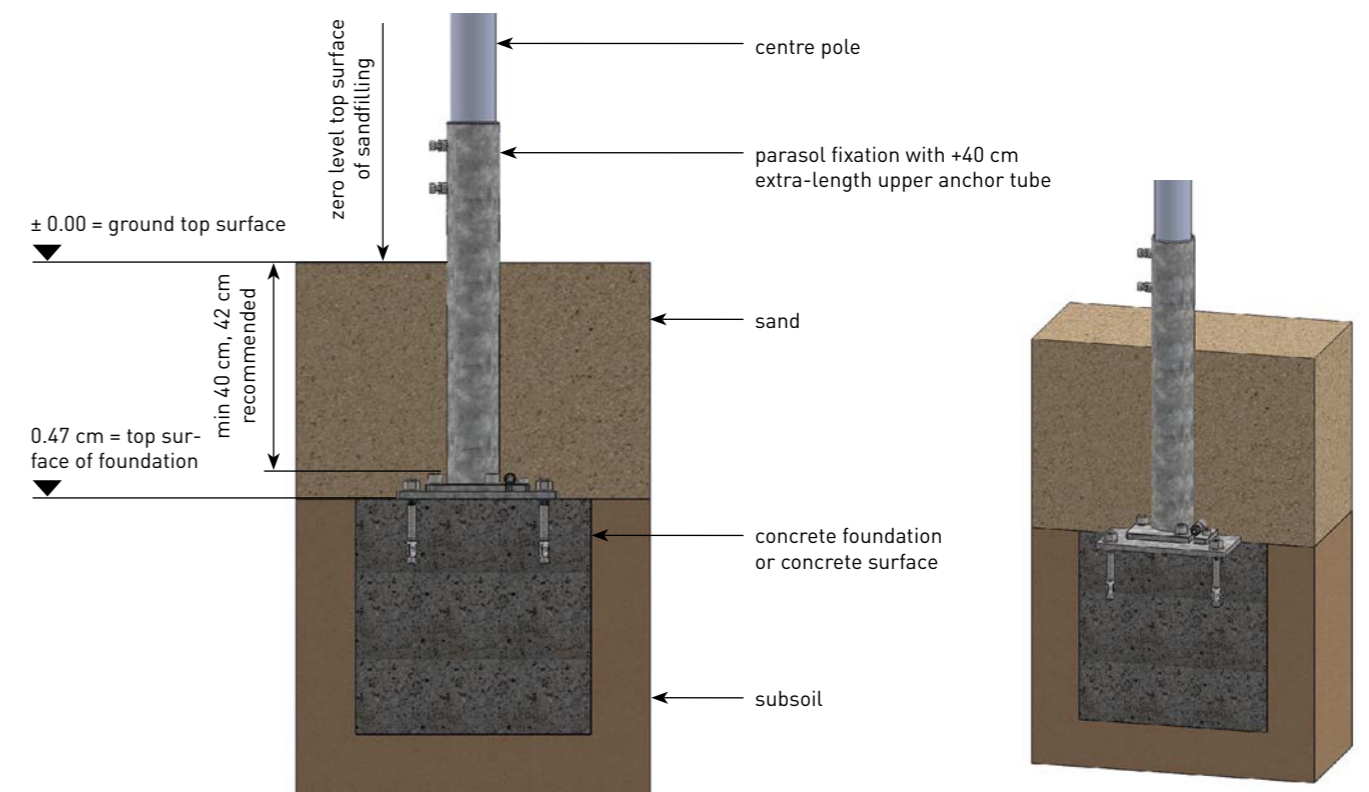


Advantage: The flange is installed in sand, so there is no risk of injury for playing children

Disadvantage: The parasol cannot be mounted and dismantled properly. The placement hinge will not function to its full extent as the parasol cannot be moved into horizontal position unless sand is removed beforehand.

- 1. Foundation, height positioning**
If the anchor tube is set in concrete as shown in the diagram, official standards will be met. The highest point must be at least 40 cm beneath play area level (top surface of sandfilling). To be on the safe side, go 2 cm further down. Take into consideration that this total distance of 42 cm includes the height of the flange with placement hinge and the top screw heads (the highest point).
- 2. Upper anchor tube**
The upper anchor tube must be installed with +40 cm extension.

Installation method 4: SZ131 with +40 cm extra-length upper anchor tube



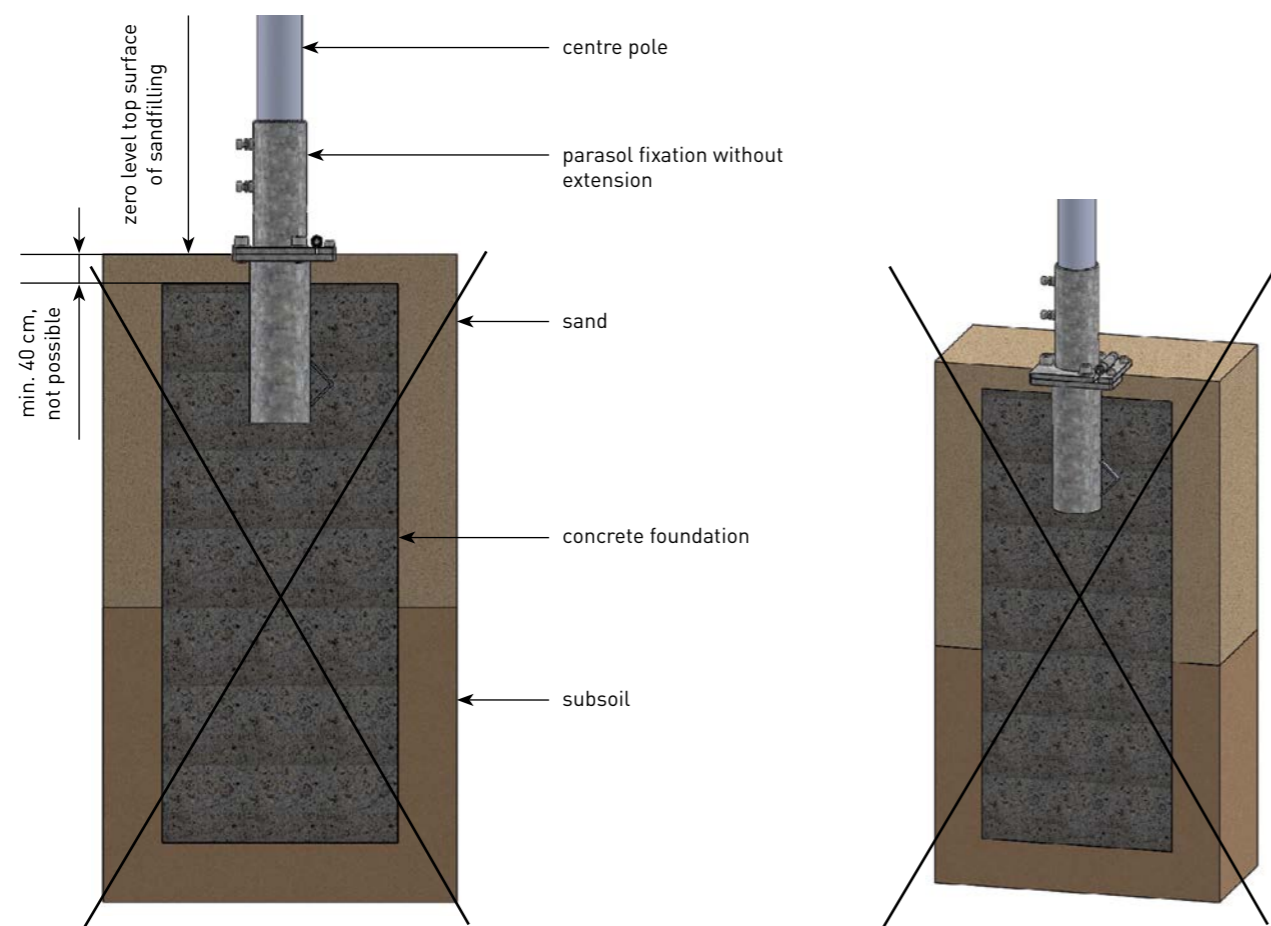
Advantage: The flange is installed in sand, so there is no risk of injury for playing children.

Disadvantage: The parasol cannot be mounted and dismantled properly. The placement hinge will not function to its full extent as the parasol cannot be moved into horizontal position unless sand is removed beforehand.

- 1. Foundation, height positioning**
If the anchor tube is dowelled as shown in the diagram, official standards will be met. The highest point must be at least 40 cm beneath play area level (top surface of sandfilling). To be on the safe side, go 2 cm further down. Take into consideration that this total distance of 42 cm includes the height of the flange with placement hinge and the top screw heads (the highest point).
- 2. Upper anchor tube**
The upper anchor tube must be installed with a +40 cm extension.



Installation method 5: SZ150, does not comply with official standards



This installation method does not comply with official standards and can, therefore, not be executed.

Risk of injury – potential danger spots

Theoretically, the parasol crank hole could be regarded as a danger spot and a risk of injury for children (poking fingers). According to official standards, the crank hole is a danger spot if it is positioned higher than 1m above the play area level (top surface of sandfilling).

- If extensions are used for
- the centre pole/parasol framework
 - the upper anchor tube or
 - the lower anchor tube

always make sure that the crank entry hole is not higher than 1 m from the ground.





Please feel free to contact us for additional information.