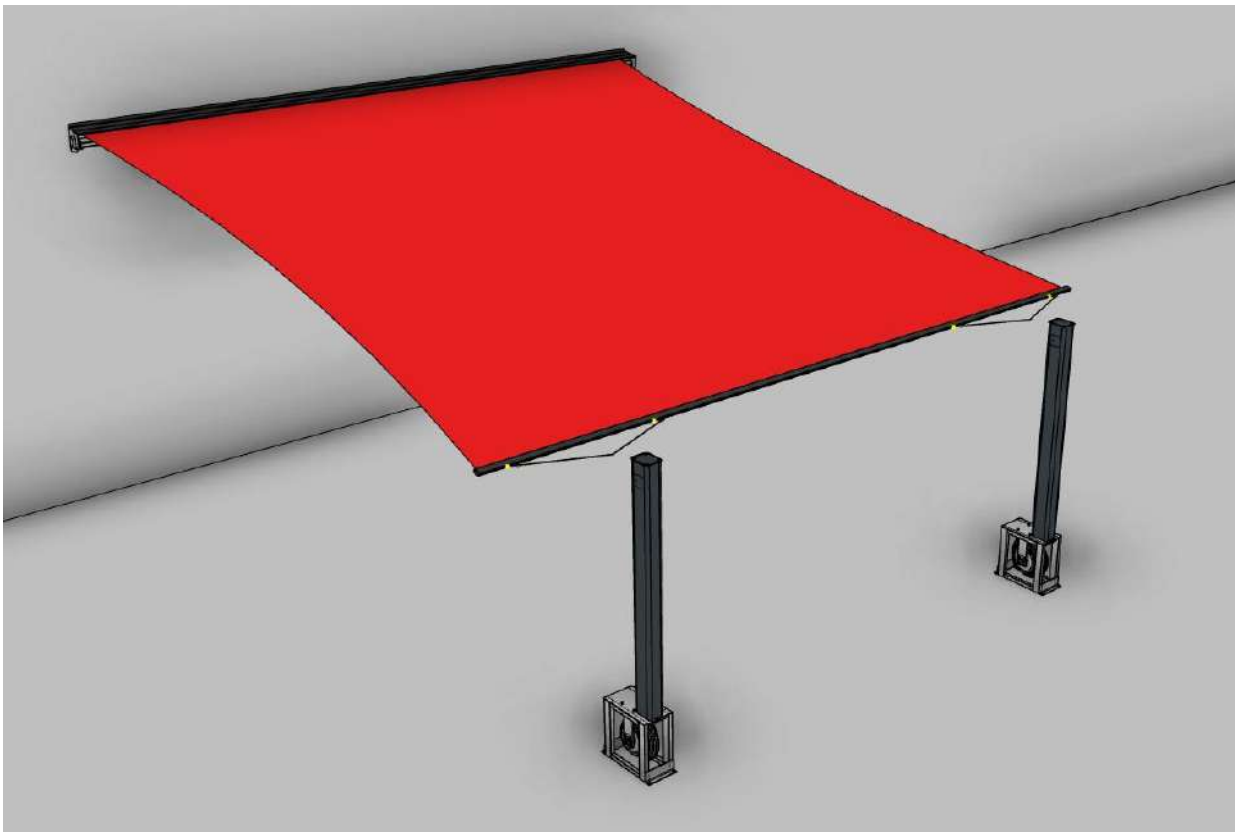
All weather protection systems!

RETRACTABLE AWNINGS.COM

Hamburg
Installation Instructions



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All measurements in this document are metric. To convert from metric (meters, centimeters and millimeters) to imperial (feet and inches) visit this website:
http://www.onlineconversion.com/length_common.htm

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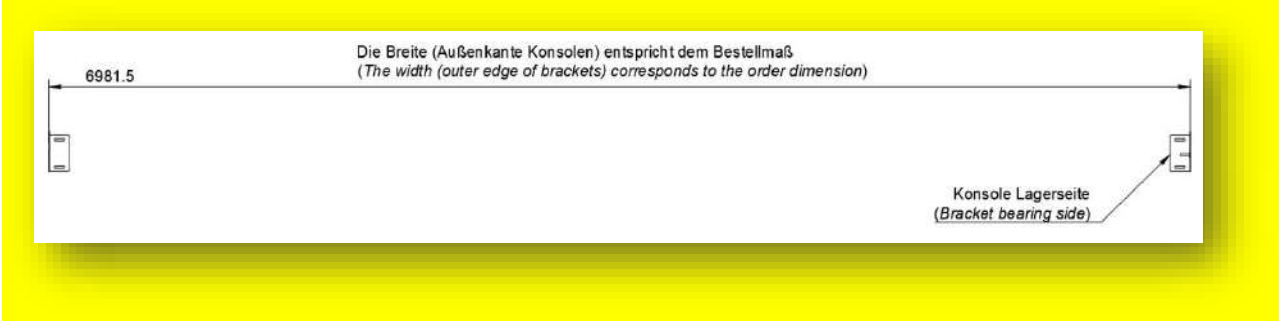
1. Installation of the Hamburg sail awning without a free standing rack (wall mounting)

1.1 Before attaching the awning sail, check whether the existing building is suitable for the attachment of an awning sail. (If necessary, have the situation reviewed by a building experts confirm.)

1.2 Make sure you have sufficient fasteners for the combination in question Have wall and awning sail available. (Seek the advice of your fastener supplier)

1.3 Measure the drill holes for the chosen brackets. Line up the consoles out. Use a spirit level when aligning.

1.4 The side of the bearing bracket varies depending on the engine* side ordered (left/right). The console on the Motor side is already pre-assembled.



1.5 Drill 4 holes in the wall and insert the required dowels/anchors.

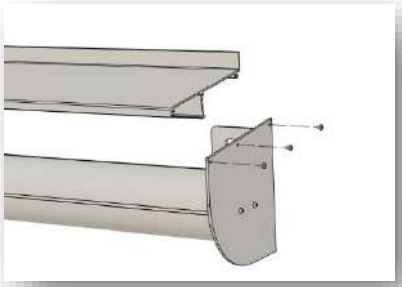
1.6 Attach the console (bearing side) and screw it.

1.7 Mount the awning sail by first putting the shaft on the bearing bracket and then fix the bracket on the engine side.

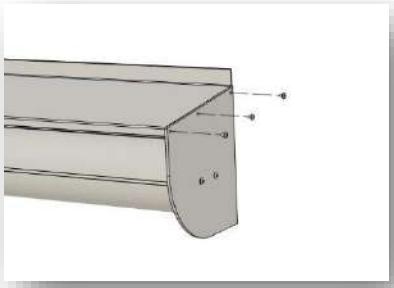
1.8 Screw the engine* bracket with the required fasteners.

* engine = motor

1.9 Mount the canopy. The holes for fixing to the wall and possibly the grommet for the motor cable



must be drilled on site in the canopy.



2. Mounting free-standing frame

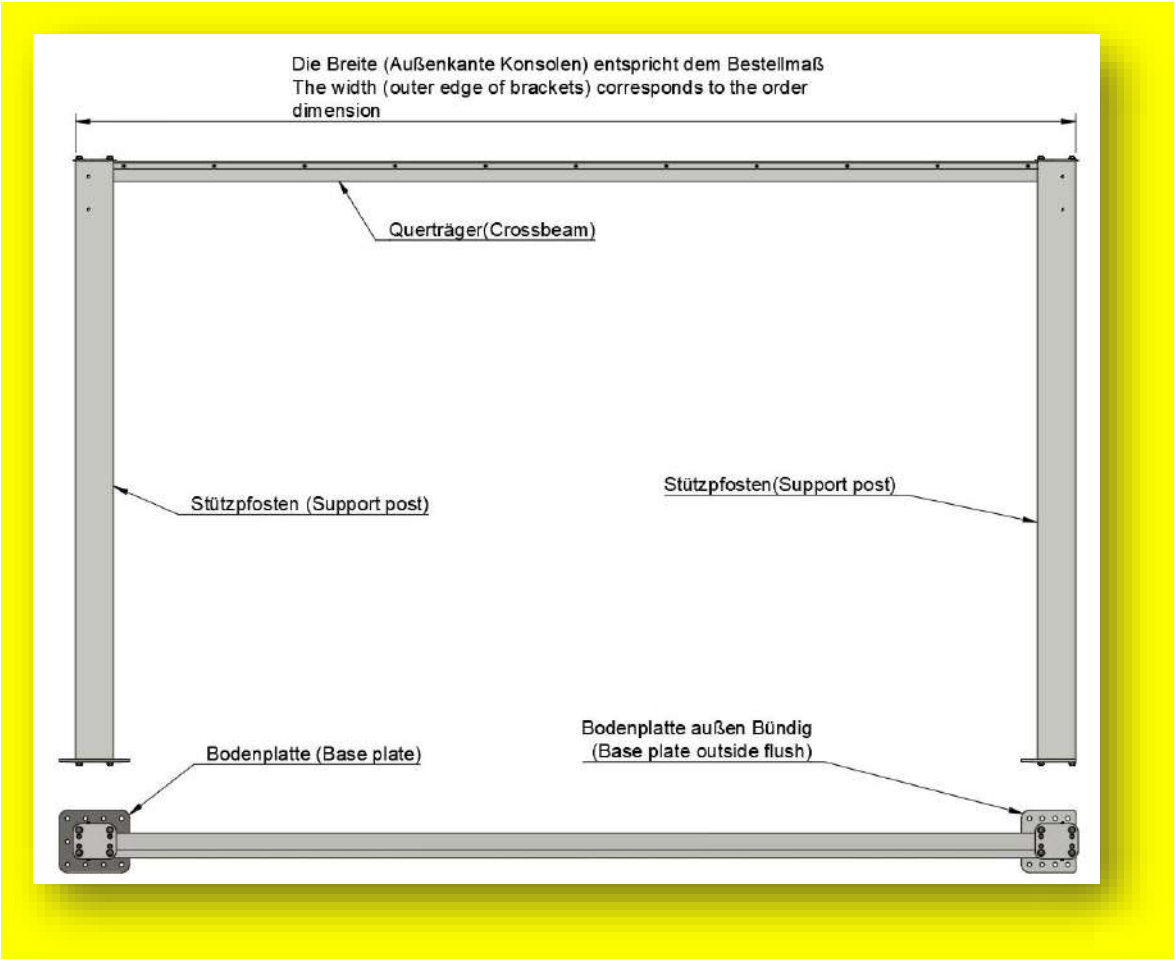
2.1 The free-standing frame is delivered in 5 individual parts.

2x support posts

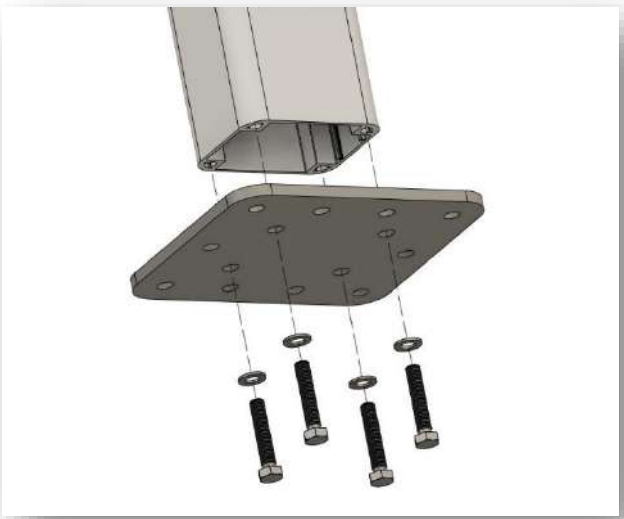
2x base plate (standard and/or flush)

1x cross member (completely pre-assembled)

2.2 The mountings for the consoles are already present on the frame (stud bolt M12, including M12 nut and washer)

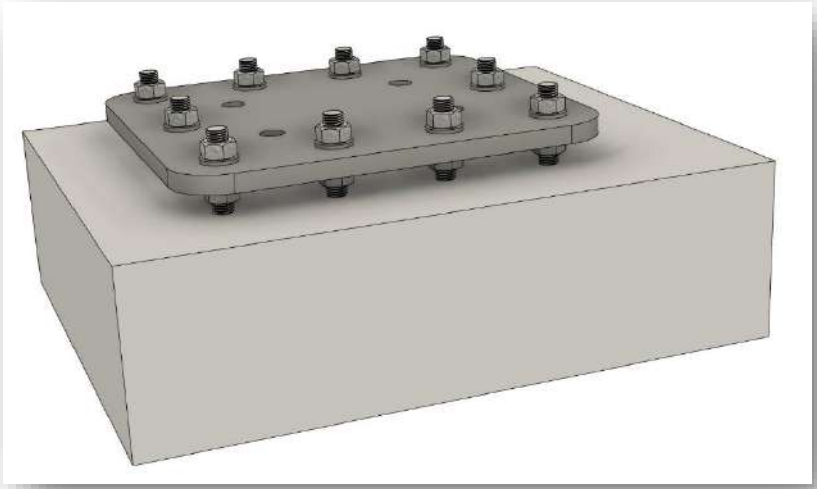


2.3 Screw the floor panels onto the support posts



2.4 Set up the support posts with base plate and position them on the foundation (size at least 80x80x80cm).

2.5 Align the support posts parallel and according to the order dimension. Drill the holes in the

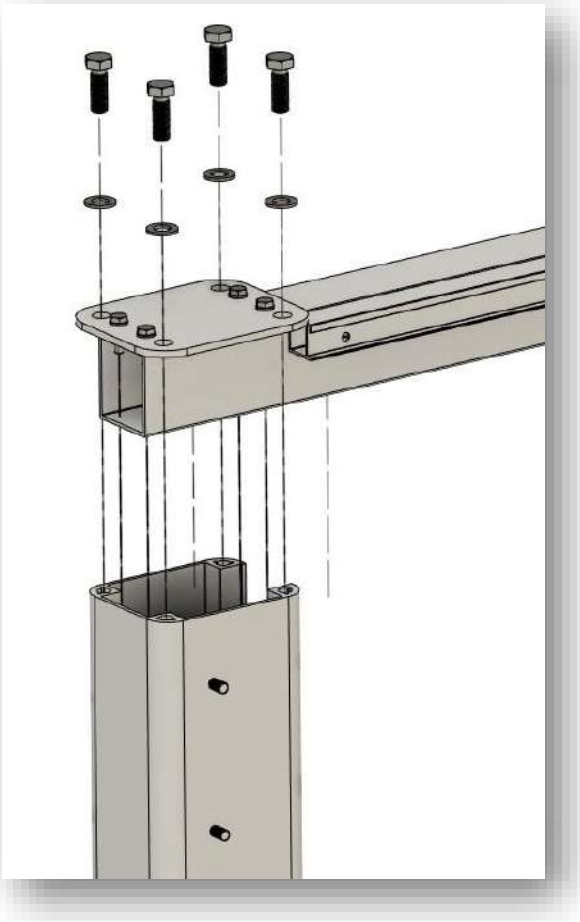


foundation.

2.6 Recommended assembly with injection mortar and M16 threaded rods.Verify with your local structural engineer

2.7 After the grout has hardened, use the nuts to align the post plumb under the base plate and then tighten all the nuts.

2.8 Now insert the crossbeam into the post from above and screw it on.

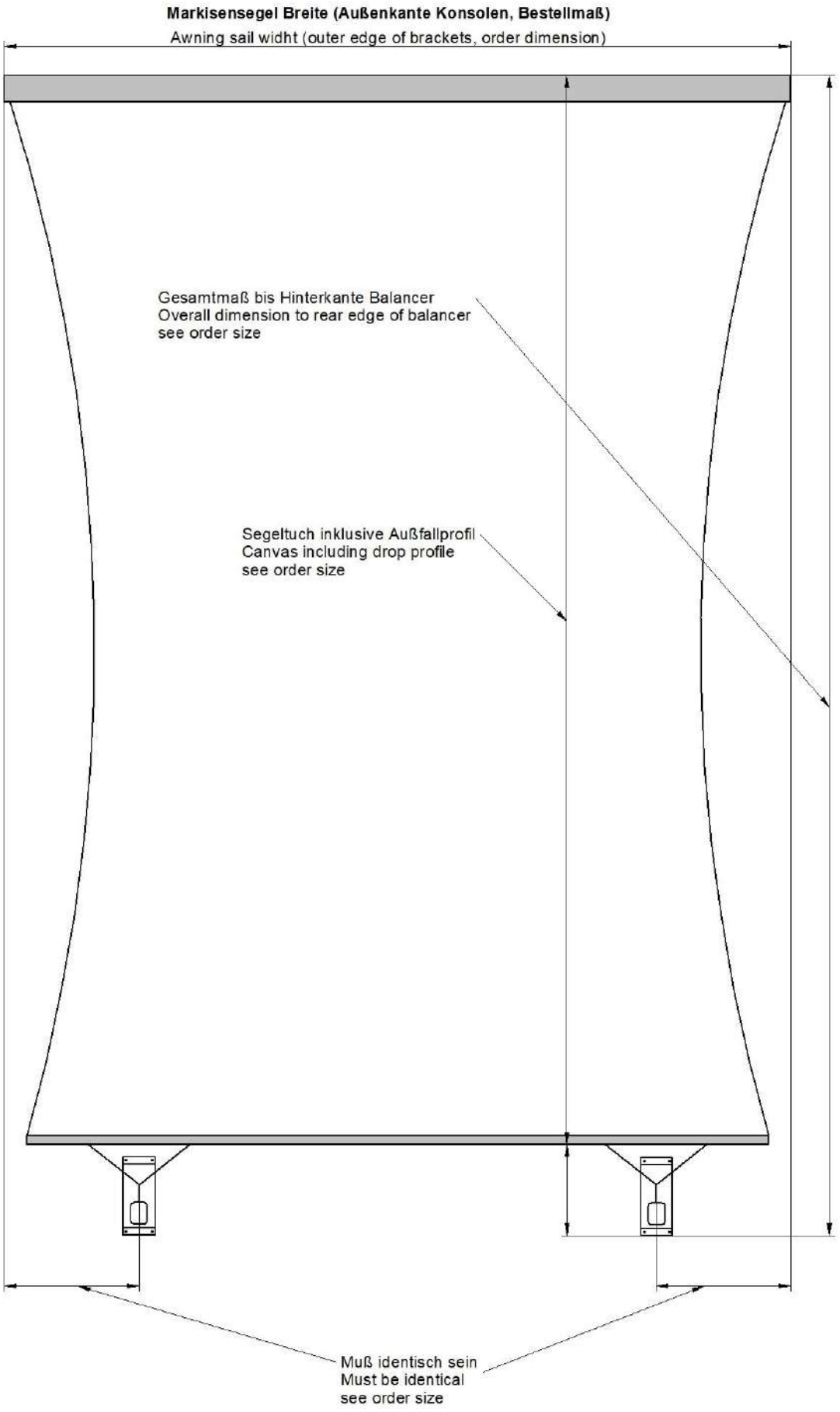


2.9 Once the freestanding frame is fully assembled, proceed to point 1.6.

2.10 The process is identical for a double awning sail (on both sides). The procedure from point 1.6 must be carried out twice.

3. Assembly of the balancer posts

3.1 During installation, it is important to ensure that all dimensions are observed according to the manufacturer's specifications and order dimensions, and that both balancers are aligned symmetrically and parallel to the direction of travel of the awning sail.


Markisensegel Breite (Außenkante Konsolen, Bestellmaß)
Awning sail widht (outer edge of brackets, order dimension)
Gesamtmaß bis Hinterkante Balancer
Overall dimension to rear edge of balancer
see order size
Segeltuch inklusive Außfallprofil
Canvas including drop profile
see order size
Muß identisch sein
Must be identical
see order size

3.2 After aligning the balancers, drill the holes (4 per balancer) into the foundations (size at least 80x60x80cm HxWxD).

3.3 Recommended assembly with injection mortar and M12 threaded rods. (like point 2.6). After the mortar has hardened, place a threaded nut on each of the threaded rods to adjust the balancer in all directions.Verify with your local structural engineer.

3.4 Plumb the balancers using the nuts under the balancers.

3.5 Tighten all screws.

3.6 The balancer boxes are either completely covered or delivered without a cover, depending on the order.

Make sure that the balancers should be accessible at all times in order to be able to carry out any repairs or maintenance. If the cladding is installed on site, it must be possible to open it at any time. Do not loosen any screws on the cable drum or try to open it. The balancers are already pretensioned when delivered. There is a high risk of injury if handled incorrectly.

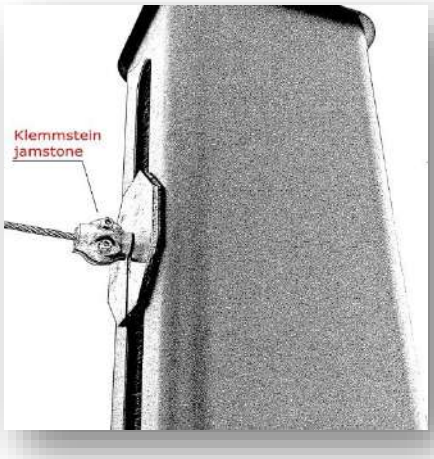
4. Extending and hanging in the awning sail

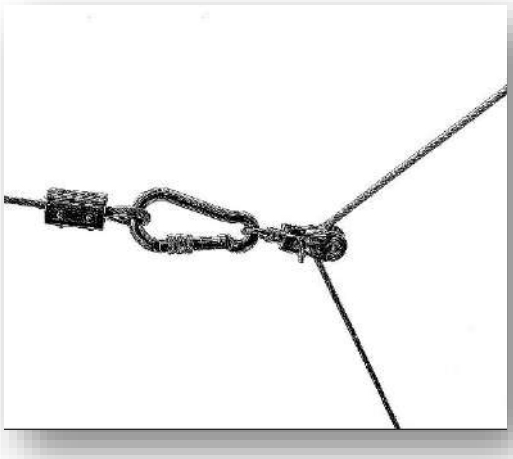
The end positions should be set with the balancer boxes open so that the steel cable on the drum can be observed at all times during the setting phase.

4.1 The end points on the motor are not yet programmed into the awning sail. The end positions are only programmed after the sail has been attached.

4.2 Extend the awning sail far enough to hook the carabiners into the rope eyelet of the balancer post.

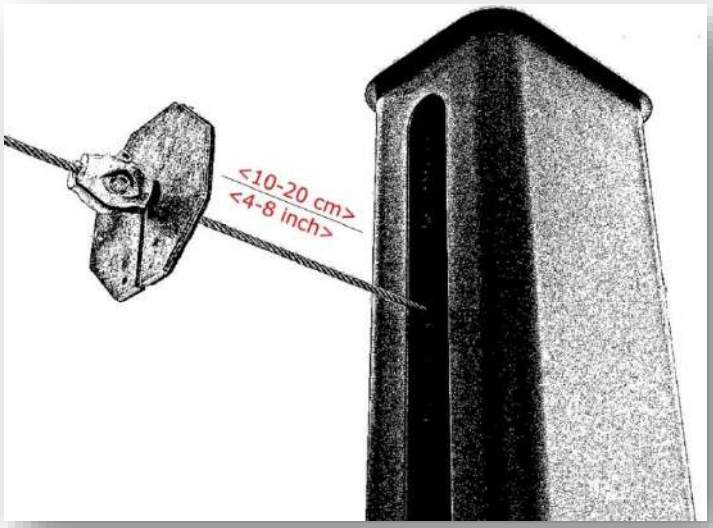
Never loosen the clamp stone before retracting the awning sail !!!





4.3 Retract the awning sail until the clamp stone on the steel cable of the balancer post is approx. 10-20cm away from the post and stop the awning sail.

Danger! The octagonal plate can fall down after retracting the awning sail. Remove/hold immediately after retraction.



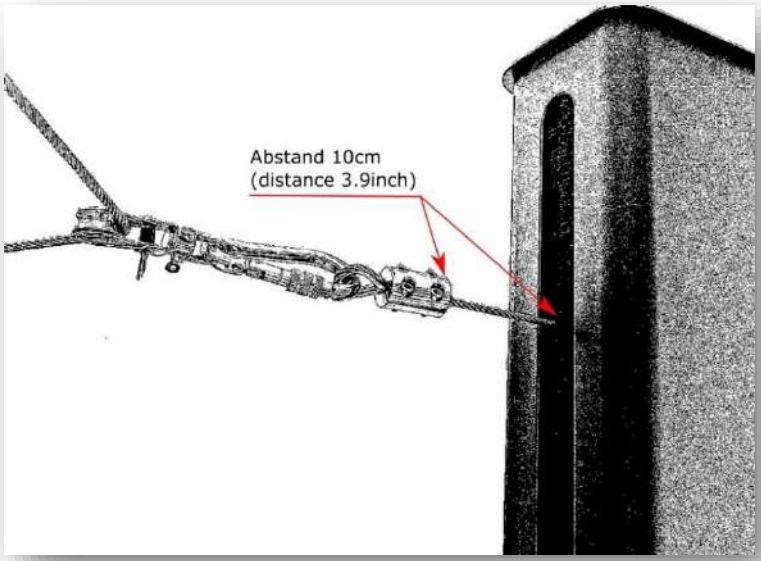
4.4 Remove the clamp stone and the octagonal plate.

5. Adjusting the end positions of the awning sail

In the case of a balancer with integrated height adjustment, the end positions are already set at the factory

5.1 For programming the end positions, please refer to the enclosed operating instructions from the motor manufacturer.

5.2 The end position in the extended position should be at least 10 cm away from the post profile.



The motor can overheat if the awning sail is extended and retracted frequently in a short period of time. The*engine switches off for safety reasons. After a waiting time of approx. 20-30 minutes, the awning can be moved on.

This is NOT a defect, but a safety feature of the engine.

5.3 Adjust the end position when retracted so that the drop profile still has a distance of approx. 1 cm to the shaft.

Due to the high spring tension of the balancers and the winding properties of the fabric, it is possible that the front rail is slightly curved when it is retracted. This is due to technical reasons and is NOT a defect or reason for complaint.

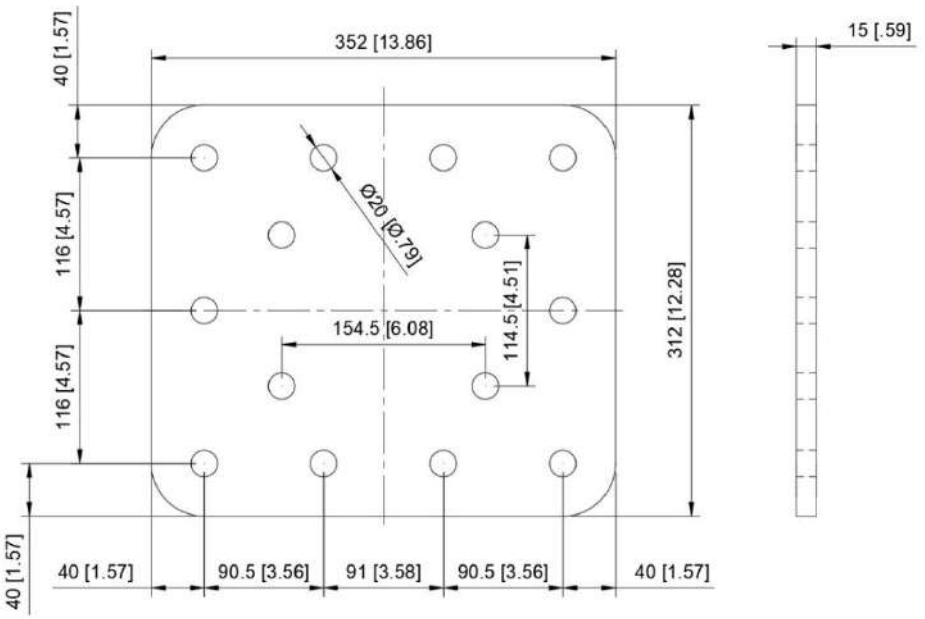
6. Programming and positioning of the wind sensor

6.1 The programming and commissioning of the wind sensor can be found in the enclosed manufacturer's operating instructions.

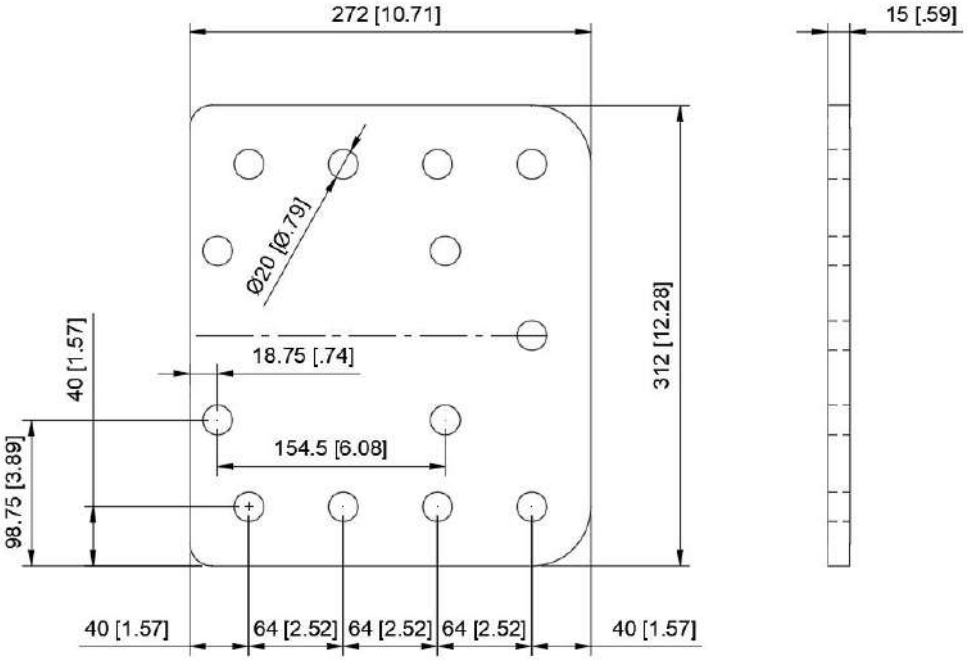
6.2 The wind sensor must be positioned in such a way that it can detect the wind in the area of the awning sail at any time. Depending on the location, several wind monitors may be required.

Incorrect positioning/programming or not installing a wind sensor can lead to damage to the awning sail and personal injury!

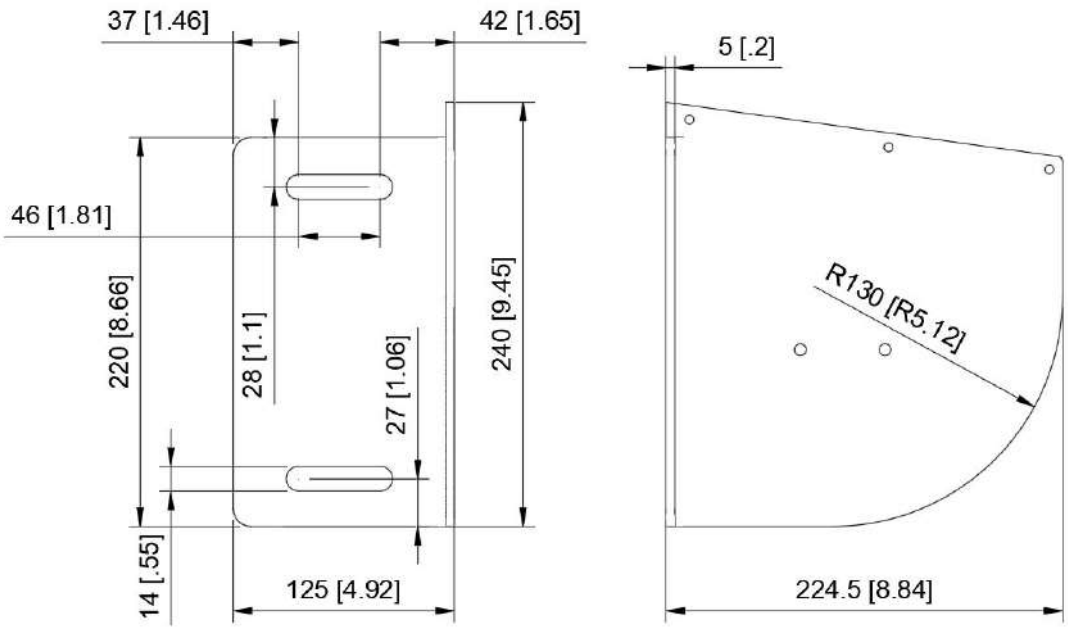
In these cases, any liability and guarantee claim expires.



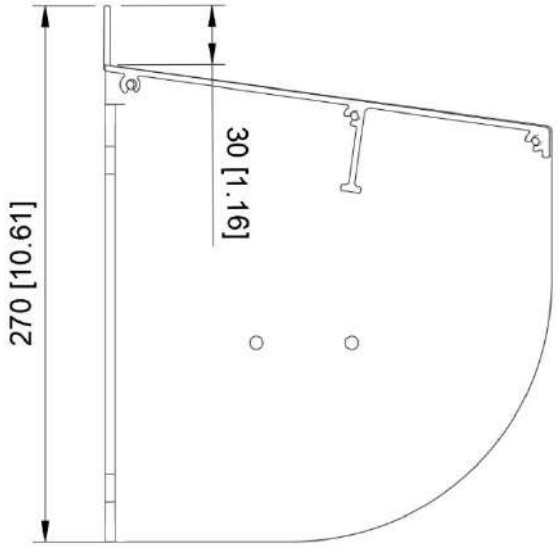
Floor plate for the free-standing frame (millimeters [inches]) Galvanized steel



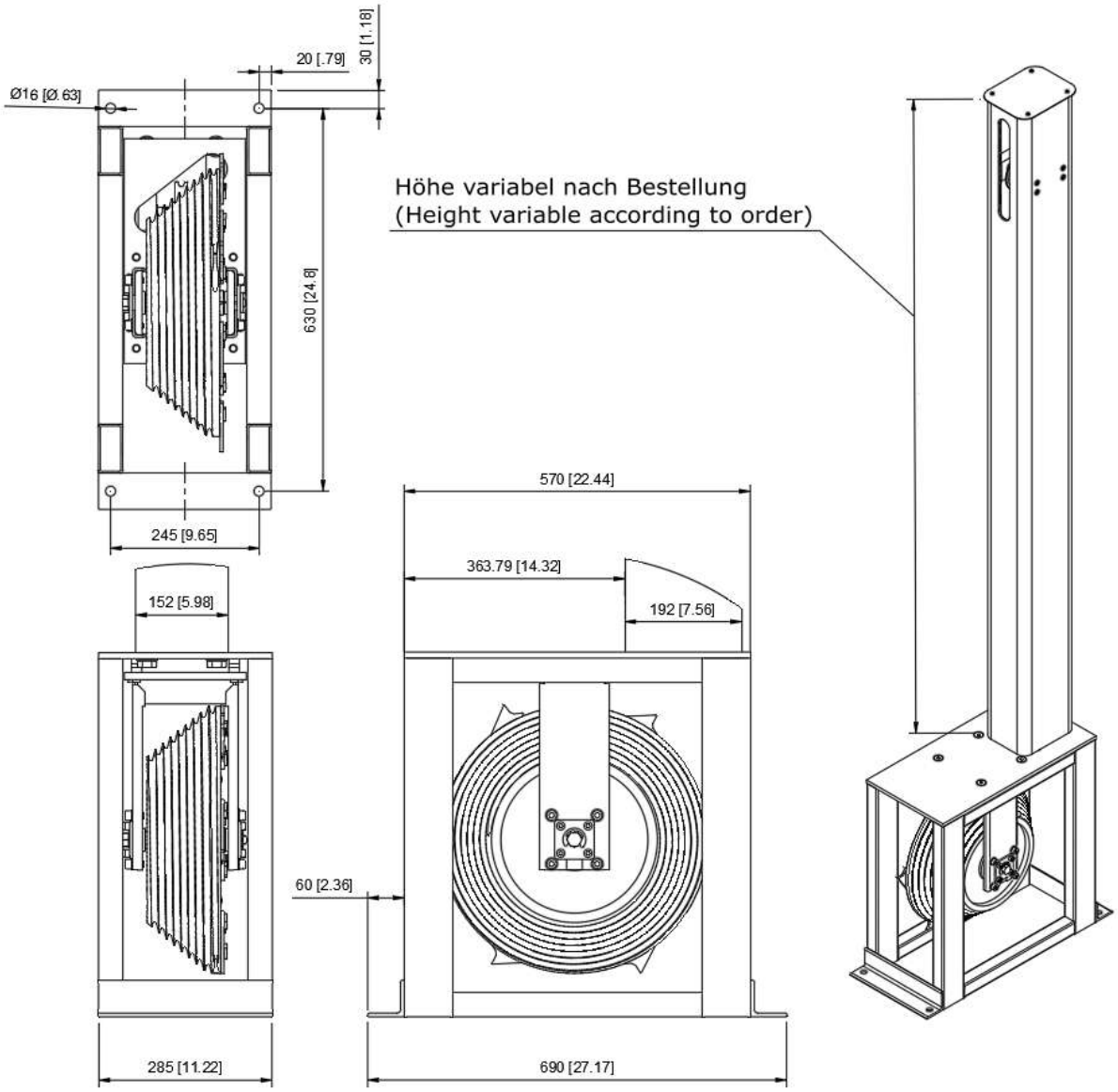
Base plate flush for the free-standing frame (millimeters [inches]) galvanized steel



Wall bracket without protection roof (*Millimeter [Inch]*) A2 Stainless steel



Wall bracket with protection roof (mm [inch]) A2 stainless steel



Balancer (*Millimeter [Inch]*)

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