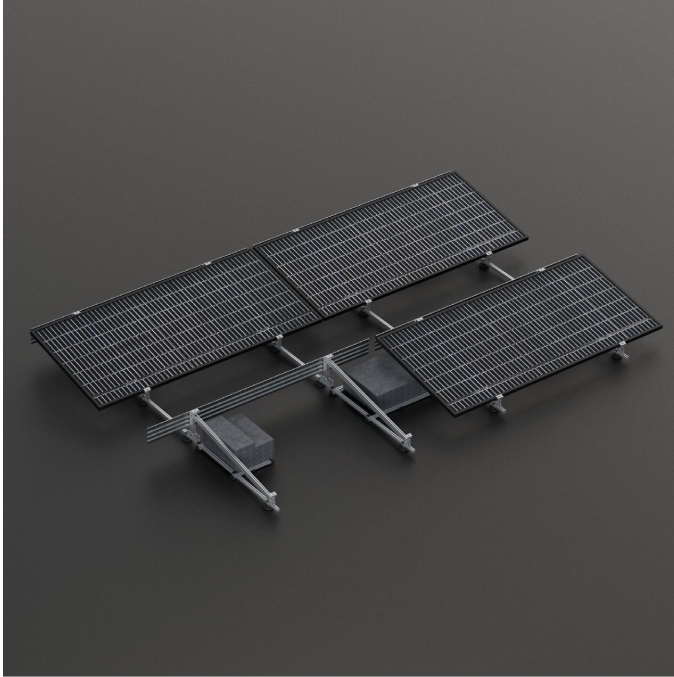
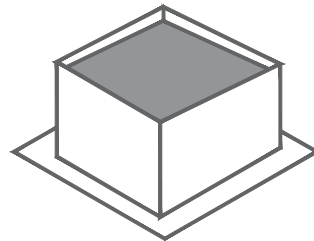


SUNFER

29.1H



Flat deck





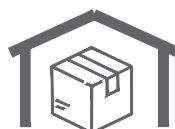
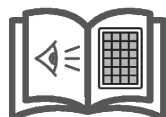
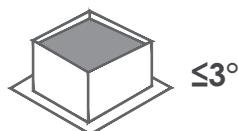
CONTENTS

1. General information
2. Contents
3. Layout
4. Triangle and elements assembly
5. Installation zone



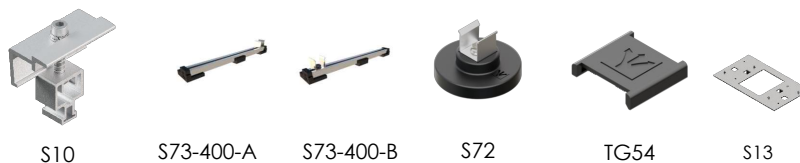
General information and recommendations ENG

- All installation instructions and product specifications provided must be adhered to.
- Check the deck's condition and its carrying capacity. The photovoltaic installation's facultative management must guarantee beforehand that the roof's substructure, as well as the building's static, can resist the additional loads originated by the installation.
- To avoid turbulence from wind a minimum security distance (defined by regulations) must be maintained between the photovoltaic installations and roof edges, as well as other obstacles such as chimneys or vents.
- In the case of chimneys or other features which may need future maintenance, a minimum distance must be maintained in order to facilitate said maintenance or to extinguish fires. This distance shall be either 1m or that suggested by the relevant authority, whichever is greater.
- The surface of the roof covering must be clean and dry. Any major irregularities of the roof must be corrected or eliminated.
- Check the weathertightness of the mount once fastened.
- Place solar panels such that they are distributed symmetrically along the support, leaving equal overhangs at each end.
- Clamps must not be tightened using impact drivers.
- Check that the support attachment points are compatible with the solar panel manufacturer's specifications.
- Uninstallation must be carried out in reverse order from the installation.
- During the shipping of products take extreme care to maintain the integrity of the packaging. Store in a dry, well-ventilated area. Minimize exposure to large temperature differences and humidity. Avoid outdoor storage. Avoid sources of dripping water, puddles, splashing, or any other contact with water in the storage area. If the product becomes wet, immediately dry and clean as well as possible. Do not leave the product directly on the floor or ground where it may attract moisture. Store on the shipment's original pallet or on shelves.
- We reserve the right to make changes to our products at any moment without prior warning if, from our point of view, the changes are necessary for the improvement of the product. All illustrations in plans and catalogues are for example only and therefore may differ from the actual product provided.
- Aluminum components can be delivered in different finishes without compromising the structural solution. Available finishes: raw/anodised/lacquered.





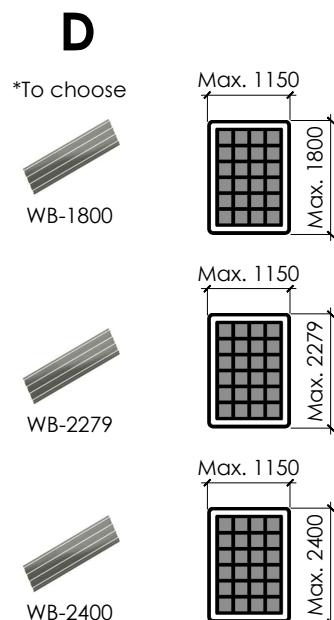
A-29.1H



B-29.1H



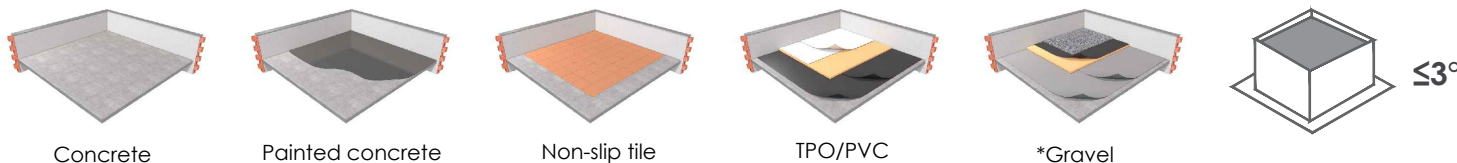
C-600



TR29.1H



Assembly surface:



Note:

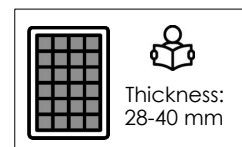
The product is compatible with all previous roofs as long as they have rigidity to support the counterweight without deforming. The counterweight is valid only for the roof indicated in the attached report.



EN AW 6005A T6 aluminum profiles



A2-70 stainless steel fasteners



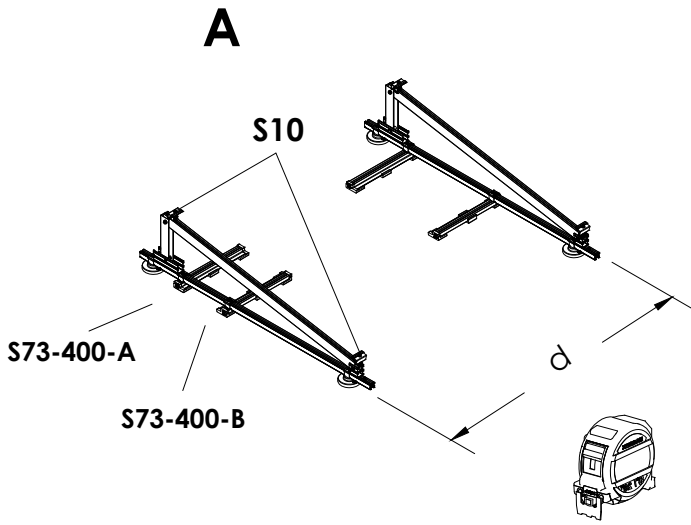
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29.1H

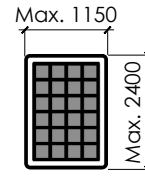
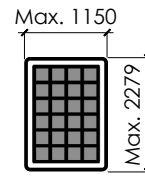
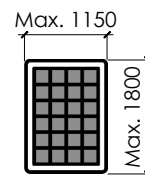
Layout



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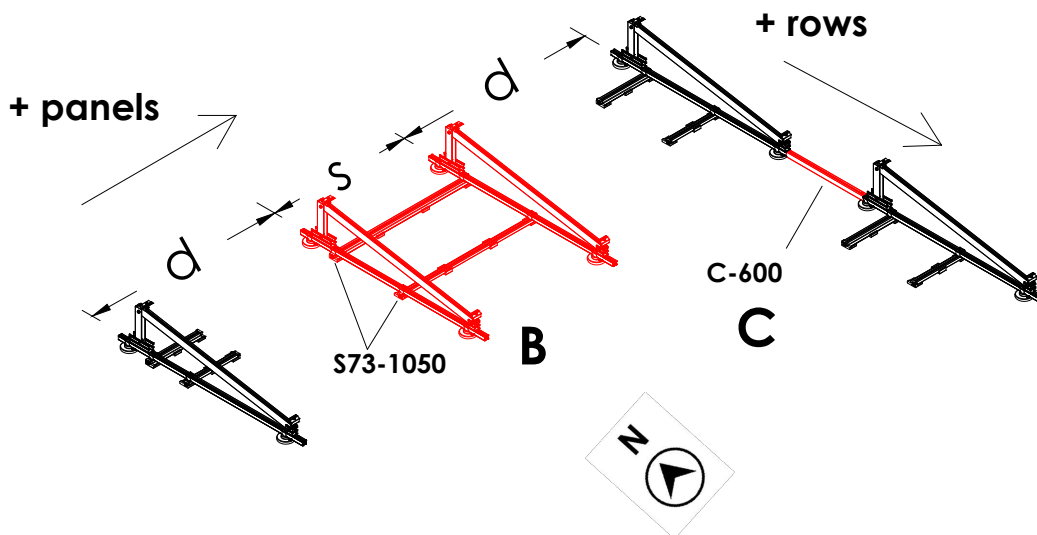
D
As many Ds as modules

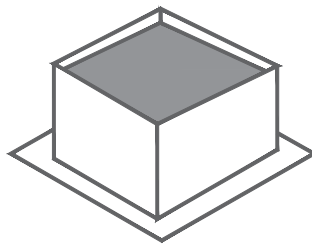


d	s* when L = Max.
=1000	=820
=1350	=949
=1420	=1000

* s = L - d + 20

L = module length;
Units in mm.

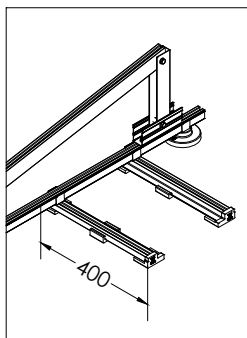




3.

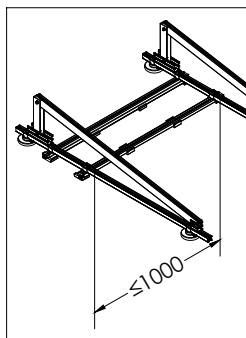
S72

S73-400-A
S73-400-B

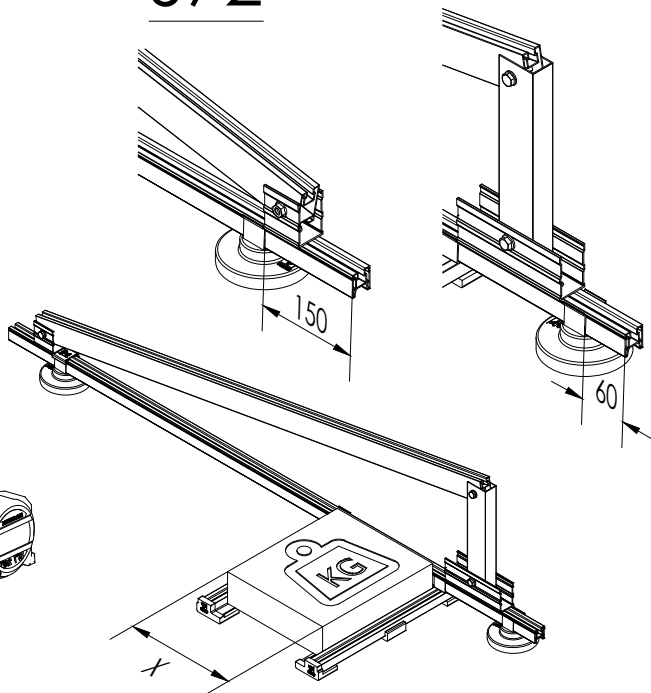


For the external elements, the 400mm S73 are directed inwards.

S73-1050



For the interior elements, the 1050mm S73 are centered in between triangles of adjacent panels.



X value upon ballast size.
Position at the rear in TR29.1H

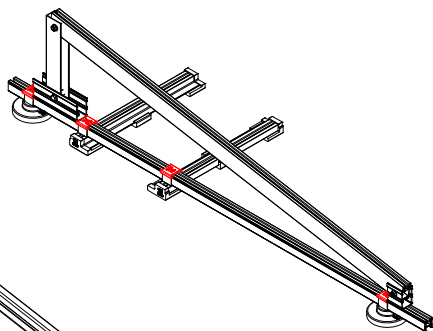


Do not install the solar modules until the necessary counterweights and back lids are in place. Doing so could compromise safety.

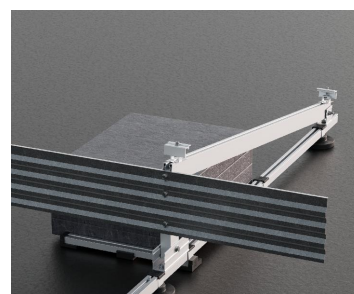
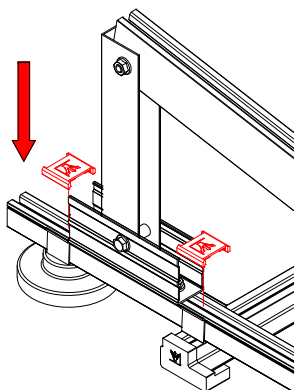


To find out which ballast to install in your installation, consult Sunfer.

4.



TG54

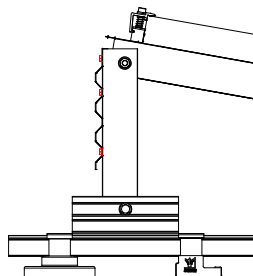


Note:
In case of a two-colored rear lid, the gray will be the exterior one



Rear lid

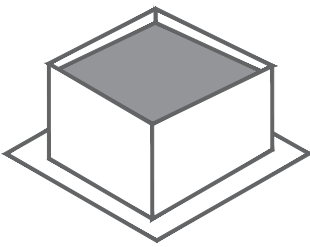
D



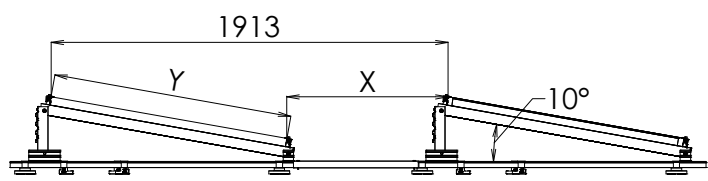
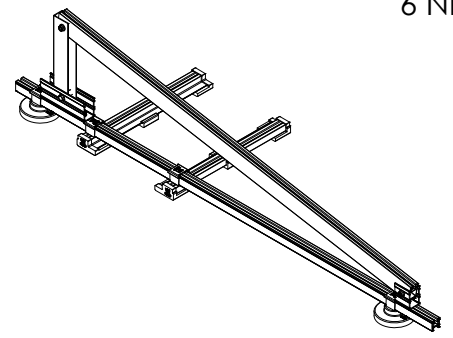
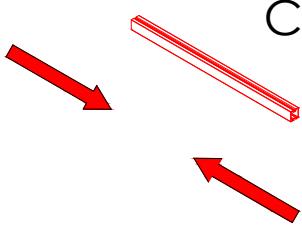
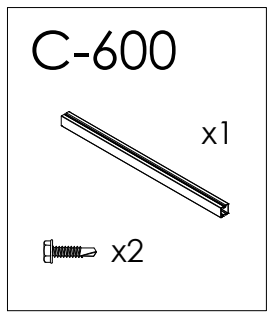
3 fastening screws per triangle



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5.

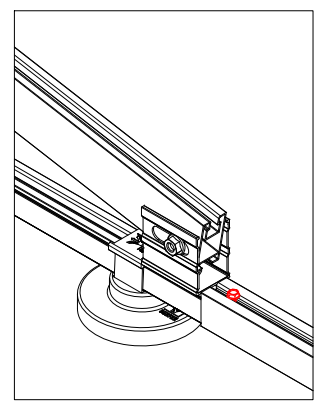
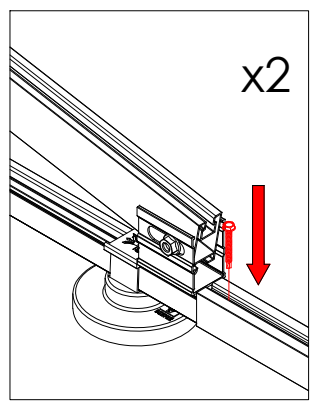
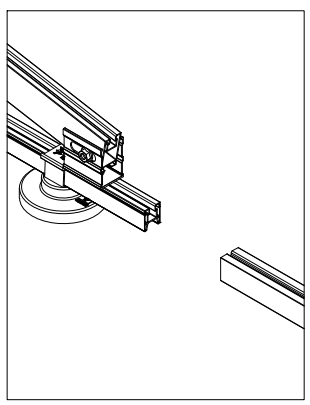


The distance X depends on the module width (Y).

Value of the distance "X" according to the module width *

Inclination	Y (mm)	X (mm)
10°	1134	796
	1150	780
	Others	$780 + [(1150 - Y) * \cos 10^\circ]$

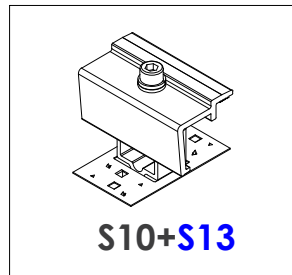
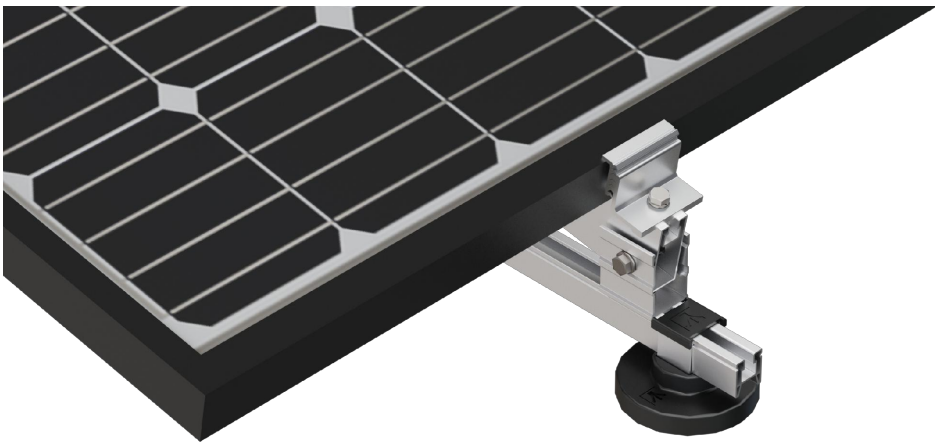
* Availability depending on market.



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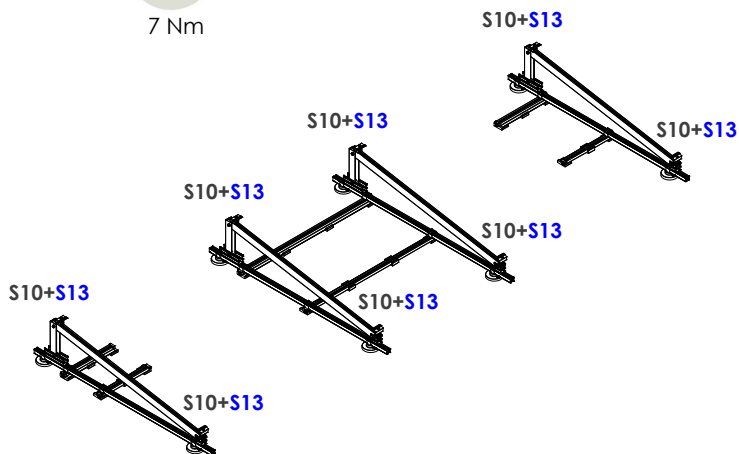
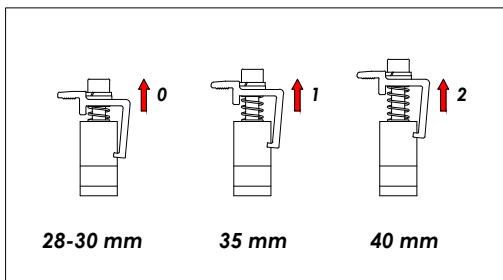
Clamp assembly



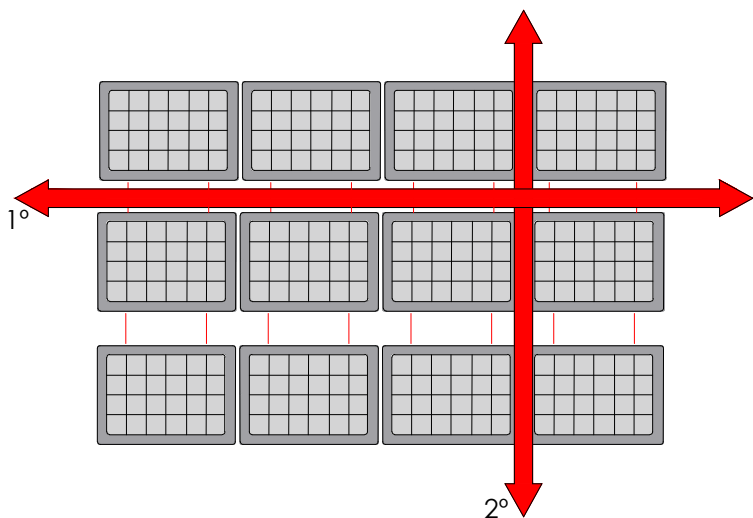
S10+S13



7 Nm



• Necessary triangle alignment



- 1° complete de column-table.
- 2° complete the following column-table.
- * Do not move on to the next table until you have completed the modules in the previous table.

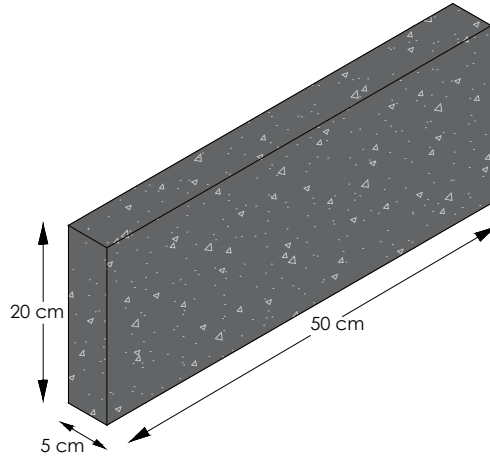


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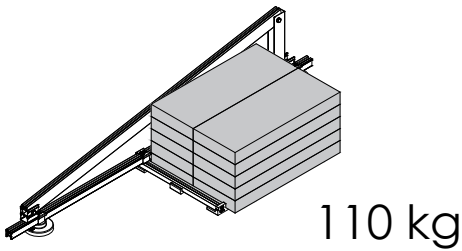
29.1H

Sunfer ballast capacity

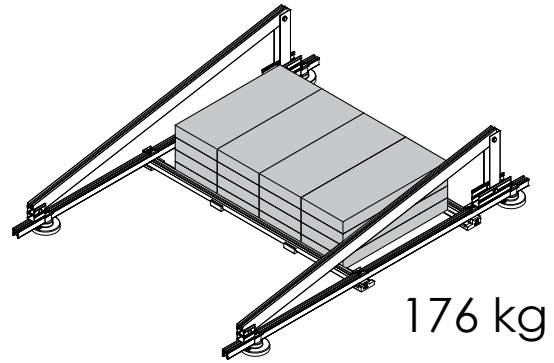


29.1H

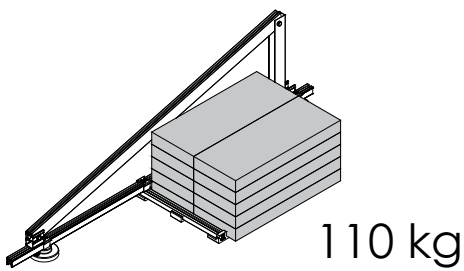
Side 10°



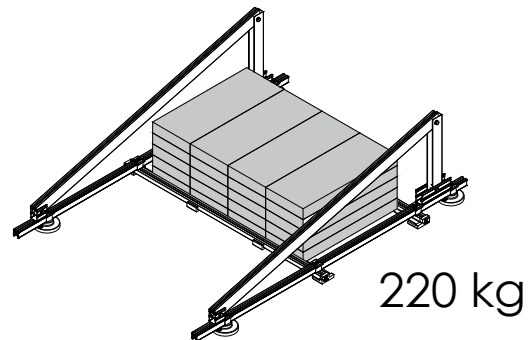
Centre 10°



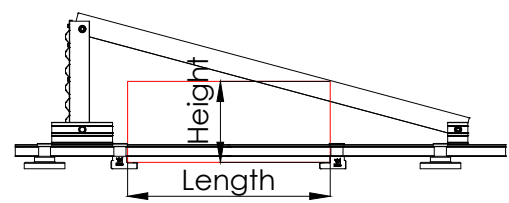
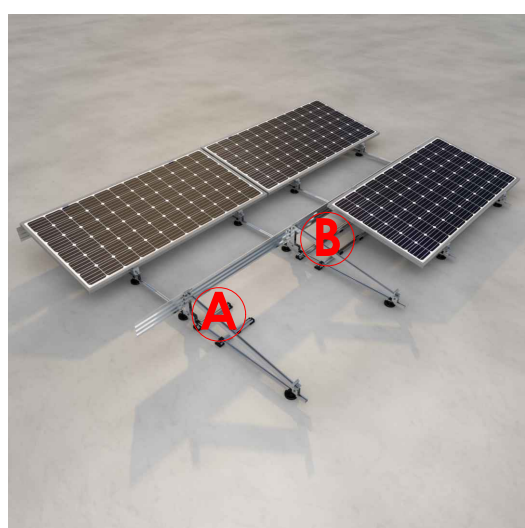
Side 15°



Centre 15°



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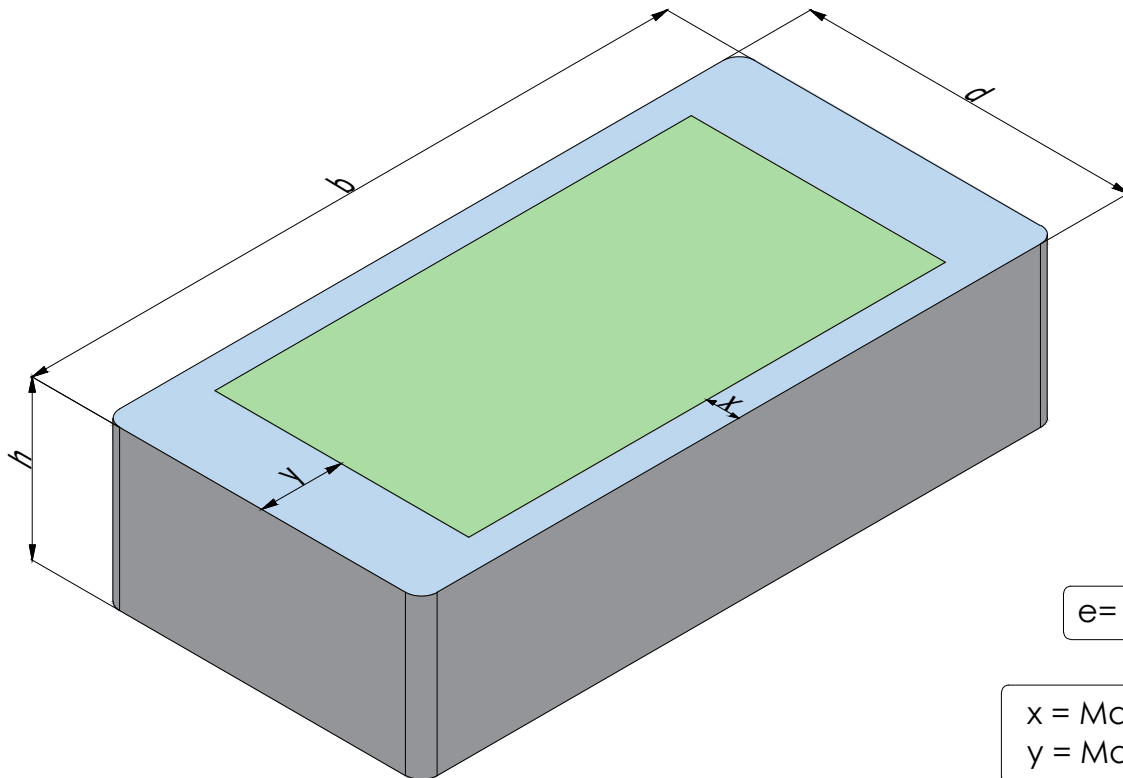
*Typical image.

Product	Area	Number of blocks	Length (mm)	Height (mm)	Width (mm)	Weight (max)*
29.1H 10°	A	2	500	250	400	110 Kg
29.1H 10°	B	4	500	200	800	176 Kg
29.1H 15°	A	2	500	250	400	110 Kg
29.1H 15°	B	4	500	250	800	220 Kg

*Approximate values depending on block density.

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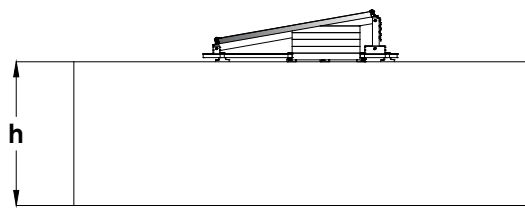




$$e = \min [b, 2h]$$

$$x = \text{Max} [e/10, 0.5\text{m}]$$

$$y = \text{Max} [e/4, 0.5\text{m}]$$



- Recommended installation zone
- Turbulence zone

To avoid turbulence and other negative effects, PV panels are recommended to be installed inside of the green Recommended zone.

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