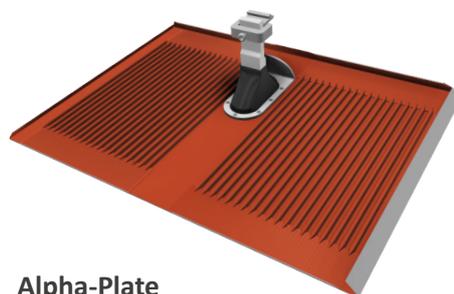




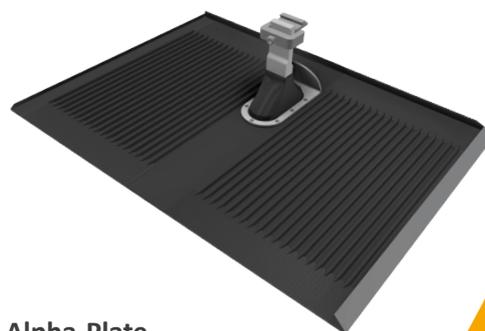
UNIQUE IN THE MARKET

Your advantages with our products:

- » Universal roof replacement panel for almost any type of tile
- » Up to 60 % reduction of roof attachments
- » Suitable for high snow loads (up to 1.500 kg)
- » Optimized warehousing
- » Mechanical cutting unnecessary; no more broken tiles!
- » Min. width of rafter 36 mm when using M6, 48 mm when using M8 wood screws
- » Height of rail easily adjustable with pre-installed Clamp Combination (switch with Clamp Combination vertical, item no. 11105-05 for a vertical rail installation)
- » Installer-friendly “top-down” design: just place the rail onto the Clamp Combination. One screw fixates the rail and locks in the height at the same time.
- » Only one tool required: Torx TX40
- » Sealed with a riveted, UV-resistant EPDM rubber sleeve and raised panel sides
- » Wind calmed zones are created in the corrugated depressions; this allows the water to flow straight downwards
- » Integrated snow- and ice deflector
- » Installation as single- or cross-rail system



Alpha-Plate
Colour: Brick Red RAL 8004
 Item no. 11500-00



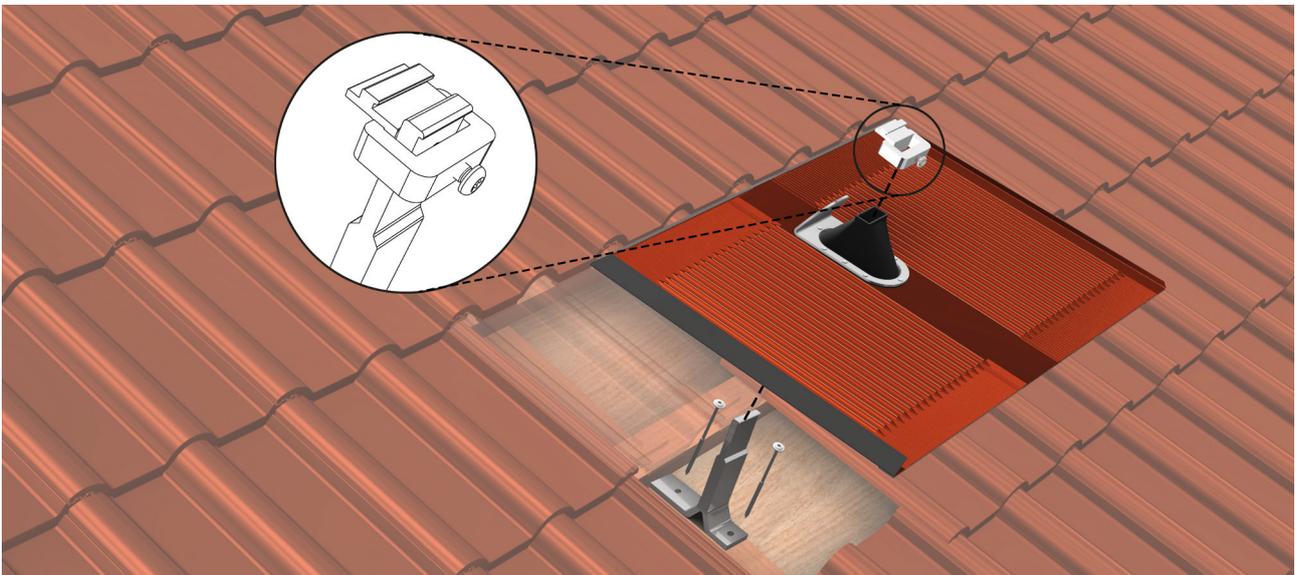
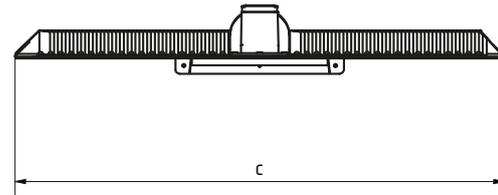
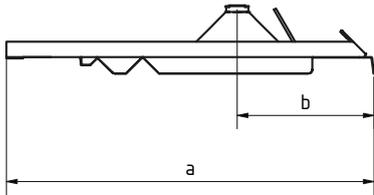
Alpha-Plate
Colour: Anthracite RAL 7016
 Item no. 11500-01



*Our warranty conditions apply.
 They are available at www.sl-rack.com

Dimensions

	a	b	c
Alpha-Plate	approx. 436 mm	approx. 162 mm	approx. 581 mm



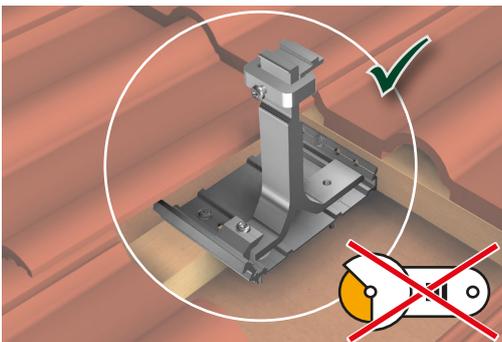
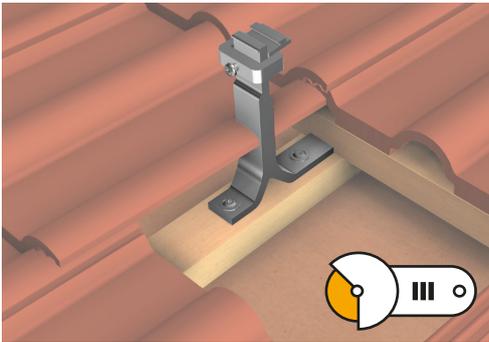
Before you get started, please check the following:

- » Minimum slope of the Alpha-Plate 3 %
- » Roof tiles must be dry and free from debris during the installation in order to achieve a waterproof connection
- » Roof tiles with pyramid interlocking on the bottom side and extreme bead differences/waviness are not compatible
- » Avoid formation of water pockets, which would hinder water drainage: Noses of overlying roof tiles might have to be removed
- » Alpha-Plates must not be installed directly on top of each other, they should be offset
- » Special approvals upon request
- » Please send your inquiry regarding tiles to sales@sl-rack.de

Accessories

» Alpha-Flex 120 Item no. 11512-00

- Mounting plate for console
- Lateral adjustability
- Grounding lug can be attached
- Incl. Alpha-Flex-Console Mounting Clamp



» Alpha-Flex 2000 Item no. 11501-2000

- Profile can span the width of up to 2 rafters (required in case an appropriate attachment for the console or mounting plate is not available)
- Better load distribution if multiple consoles are utilized
- Lateral adjustability
- Grounding lug can be attached



Vertical Clamp Combination

Item no. 11105-05



Optional Potential Equalization Clamp for SL Alu and Alpha-Flex

Item no. 11101-20



Mounting Plate for Console Alpha-Flex 120 incl. Alpha-Flex-Console Mounting Clamp

Item no. 11512-00



Optional Alpha-Flex- Console Mounting Clamp

Item no. 11501-02



Rafter Spanning Profile Alpha-Flex 2000

Item no. 11501-2000



[Assembly video](#)
[Alpha-Plate](#)

Installation



Remove tiles in the installation area.
Position the remaining tiles...



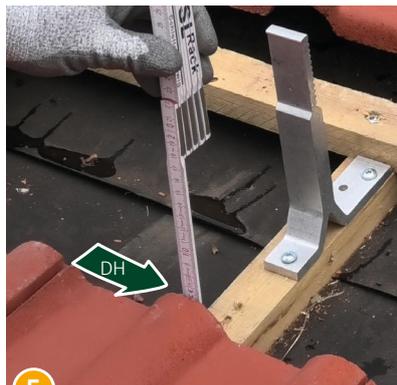
...under the top row so that the cross batten is easily visible and accessible.



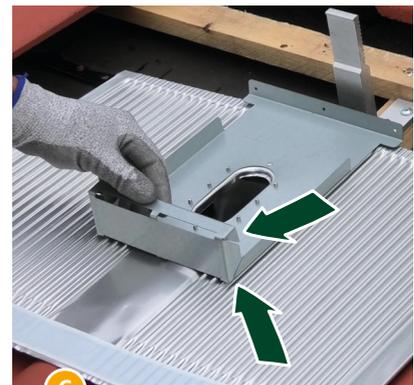
Slide the long side of the console against the roof batten (the roof batten serves as a guide).



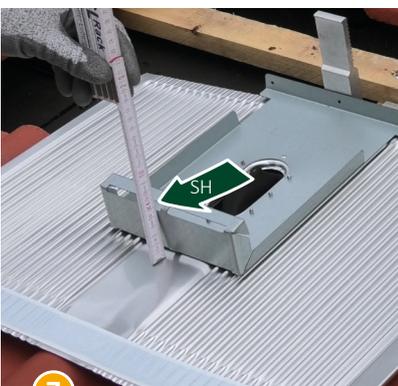
Fasten the console by tightening a minimum of 2 screws.



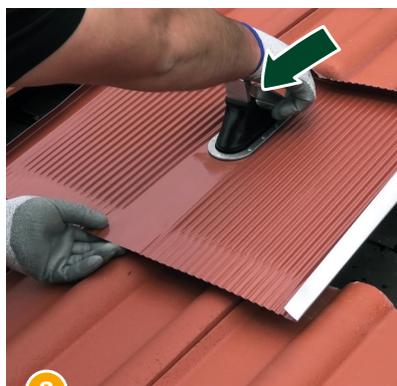
Determine the height of the roof tile, that needs to be compensated (DH).



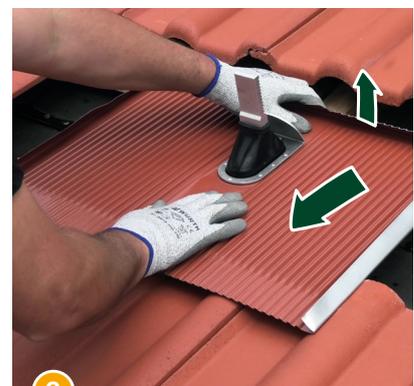
Adjust the height of the Alpha-Plate by folding the support plate on the back.



Height of roof tile (DH) = support plate height (SH)



Position the opening of the support plate on the upper batten and put the Alpha-Plate with the riveted sealing sleeve over the console.



Align the Alpha-Plate and ensure that there are no indentations. Dents in the upper and center part of the Alpha-Plate could lead to the formation of water pockets, which would hinder proper water drainage. Press the rear sheet metal edging upwards. If necessary, place the rear sheet metal edging slightly to the rear if the upper upstand is not fully covered.



[Assembly video](#)
[Alpha-Plate](#)



10

Completely peel off the cover of the adhesive tape from the back of the Alpha-Plate.

Make sure the surface to be bonded is dry, clean and dust-free.



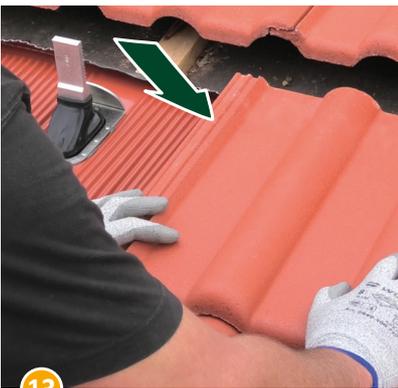
11

Starting from the center and working outwards, press down the Alpha-Plate firmly and ensure it is form-fitting the tile below.



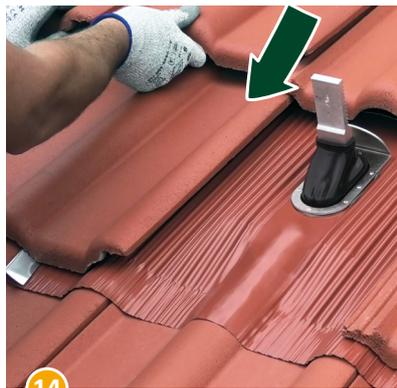
12

Make sure no water pockets can form in the upper and center part.



13

Put surrounding tiles ...



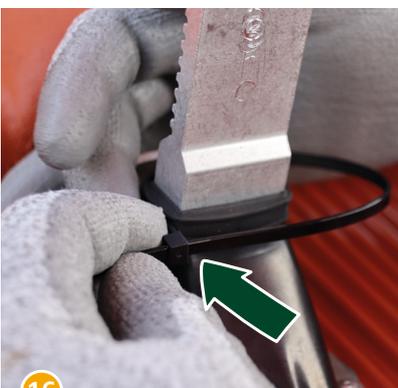
14

...back in place.



15

Press the sheet metal edging in the area of the tile overlap against the roof tiles from below



16

Additionally, secure the top of the sealing sleeve by using the cable tie. Place the tab of the cable tie at one of the four corners of the sleeve, tighten it and cut off the remainder.



17

Put the Clamp Combination on top of the console. Install the rail by dropping it onto the Clamping Combination. Adjust the height.



18

Fixate the rail as well as the height by tightening the screw of the Clamping Combination (15 ± 0.5 Nm).

Done!



Technical Data

Material	Rolled aluminum sheet metal, EPDM rubber sleeve, aluminum (console, clamp combination, snow- and ice deflector), galvanized steel (support plate)
Design Tool	SL-Rack-Configurator Solar.Pro.Tool .
Statik	The structural analysis is carried out in accordance with the current country-specific standards (EN 1991, EC1 for Germany). Depending on snow loads, wind loads, or when utilizing large modules, it may be necessary to use more than the usual 4 fastening points. Make sure to observe the installation manual of the respective module manufacturer. The load-bearing capacity of the roof has not been evaluated by SL Rack.

Your opinion is important to us!

It is our top priority to make the installation process for you as quick, easy and efficient as possible. Please share your experiences, ideas or criticism with us, so we can continue to improve our products and develop new ones.



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Subject to technical
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