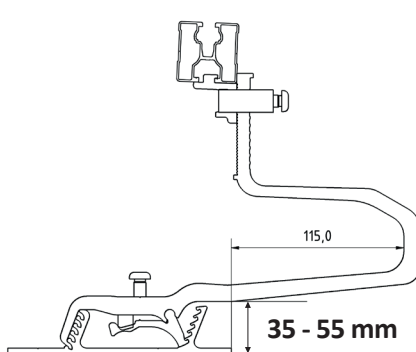
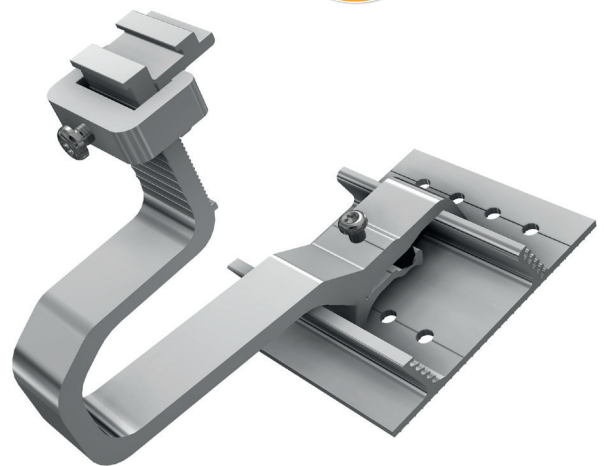
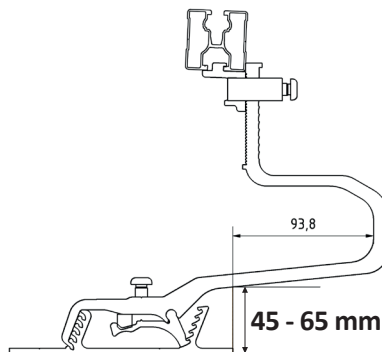


## Your advantages with our products

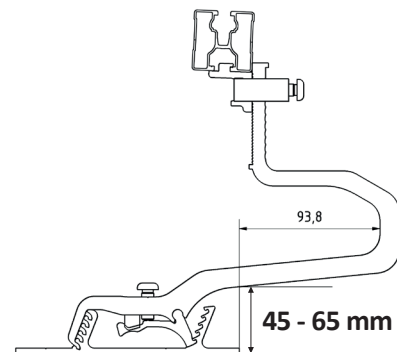
- » Suitable for all common tile roofs / snow load zones
- » Optimal adaptability to the roof: no shims necessary!
- » Simple height adjustment of the foot from 35 mm - 55 mm or 45 mm - 65 mm, bracket just needs to be hooked in at the appropriate position and fixated
- » Height of rail easily adjustable with pre-installed Clamp Combination (switch with Clamp Combination vertical, item no. 11105-05 for a vertical rail installation)
- » Lateral flexibility of the base plate allows for optimal positioning of the bracket when exiting the tiles
- » 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
- » Due to larger hole spacing the use of M6 screws is possible
- » Application even on narrow rafters, e.g. nail trusses with a min. width of 36 mm (provided the use of M6 screws)
- » Installation as single- or cross-rail system
- » 100% aluminum; simplifies transportation and installation
- » Advantage of aluminum over stainless steel: The thickness of the material can be adapted to the absorption of the acting forces
- » Grounding lug can be attached
- » **Compatible with Rafter Spanning Profile SL Alu-Vario:**
  - Allows for max. lateral adjustments and the positioning of roof hooks between 2 rafters



**SL Alu-35 Vario**  
Item no. 11135-01



**SL Alu-45 Vario**  
Item no. 11145-01

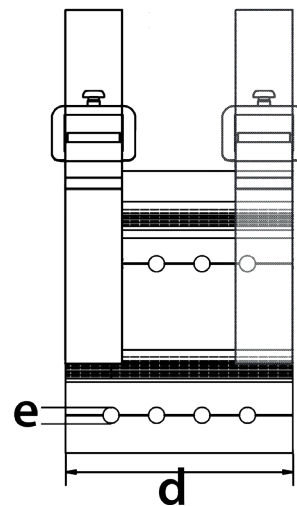
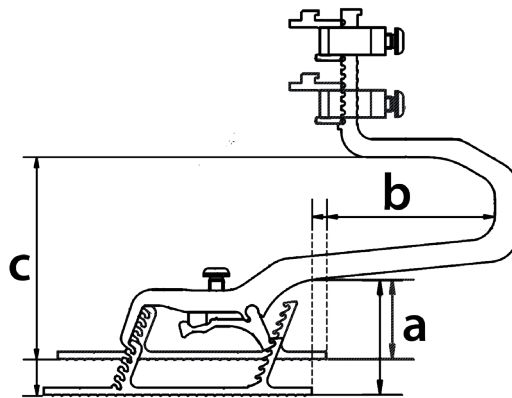


**SL Alu-45 X Vario**  
for high snow load  
Item no. 11145-02

\*Our warranty conditions apply. They are available at [www.sl-rack.com](http://www.sl-rack.com)

## Dimensions

	a	b	c	d	e
SL Alu-35 Vario	35 - 55 mm	115 - 123 mm	105 - 125 mm	120 mm	9 mm
SL Alu-45 Vario	45 - 65 mm	93,8 - 102 mm	112 - 132 mm	120 mm	9 mm
SL Alu-45 X Vario	45 - 65 mm	93,8 - 102 mm	112 - 132 mm	120 mm	9 mm



## Accessories



**Optional Rafter Spanning  
Profile, length 2000 mm**  
Item no. 11101-2000



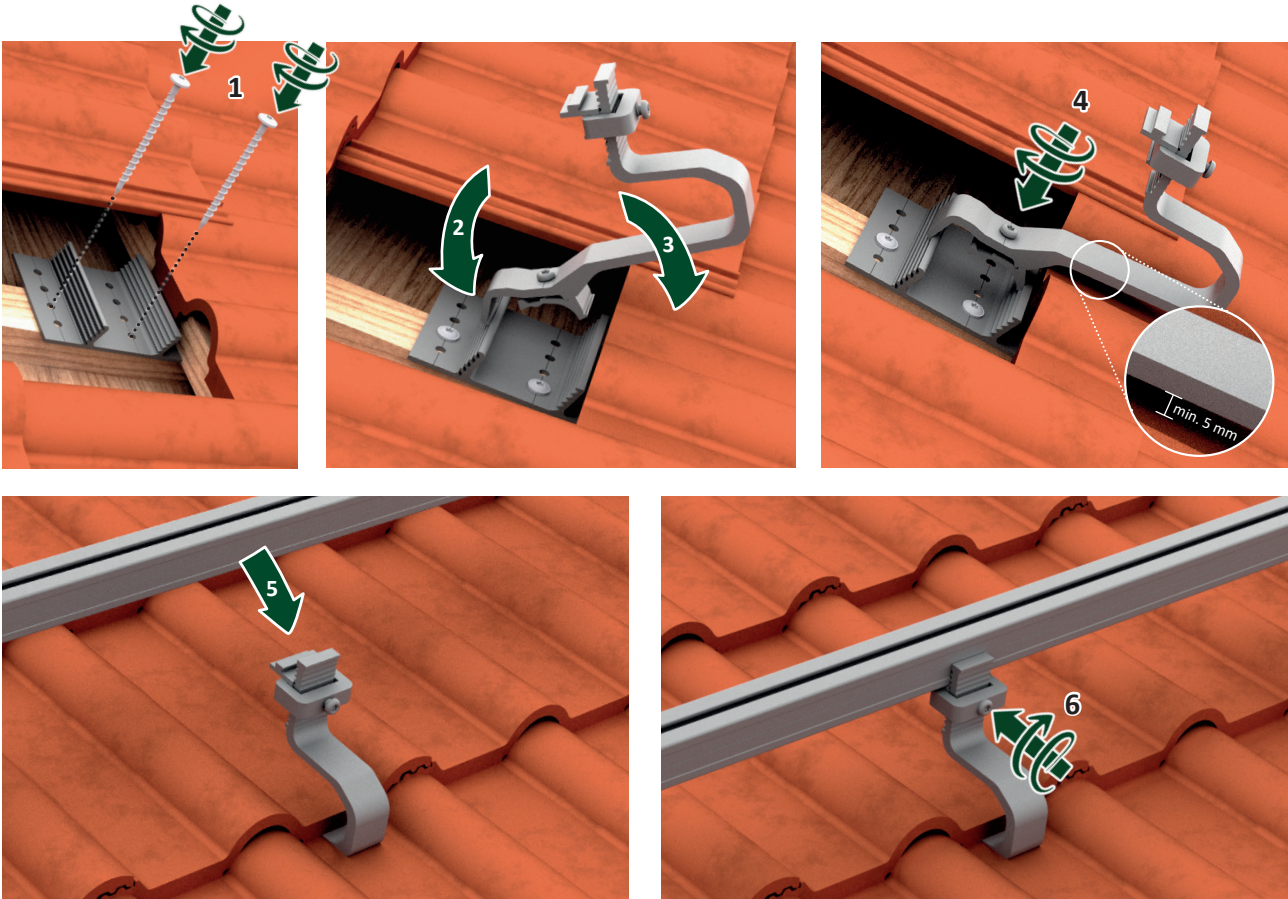
**Optional Vertical  
Clamp Combination**  
Item no. 11105-05



**Optional Potential  
Equalization Clamp for  
SL Alu and Alpha-Flex**  
Item no. 11101-20



[Installation video](#)  
[SL Alu-Vario >](#)



## Installation

1. Remove tiles and fasten base plate to the rafter with a minimum of 2 wood screws (at least 1 screw per horizontal row of holes). As usual, use an angle grinder to grind the top and bottom tile where the bracket exits.
2. Insert the bracket at the appropriate position.
3. Lower the bracket, ensuring a min. distance of 5 mm between tile and bracket.
4. Fixate the position of the bracket by tightening the bolt with 10 Nm. Put the tiles back in place.
5. Position the rail onto the Clamp Combination. If necessary adjust the height on the roof hook.
6. Fixate the rail by tightening the connection with 15 Nm - Done!

## Rafter Width

	Wood Screw Ø 6 mm	Wood Screw Ø 8 mm
SL Alu-35 Vario	Min. 36 mm	Min. 51 mm
SL Alu-45 Vario	Min. 36 mm	Min. 51 mm
SL Alu-45 X Vario	Min. 36 mm	Min. 51 mm

## Technical Data

<b>Material</b>	Stainless steel (welded), Aluminum (Clamp Combination)
<b>Design Tool</b>	SL-Rack-Configurator <b>Solar.Pro.Tool</b> .
<b>Statik</b>	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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