



Item no. 11100-05



EN 1090-1  
Factory  
Production  
Control  
www.tuv.com  
ID: 9000039073



### Tools

- » Cordless screwdriver with Torx 40 bit
- » Torque wrench



### Documents

- » Disposal instructions
- » Maintenance instructions for pitched roofs

All documents are available at [www.sl-rack.com](http://www.sl-rack.com)

### Accessories:



**Optional Potential Equalization Clamp  
for SL Alu Multi Hook**

Item no. 11100-08

### Connection components:

2x Flange head screw (item no. 9210-10/12/28)\*\*

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

\*\* The length of the screw depends on the roof structure. Before selecting the screw, measure the height of the roof structure to ensure that the screw is inserted into the rafter at least 40 mm.

## Symbols and special emphasis

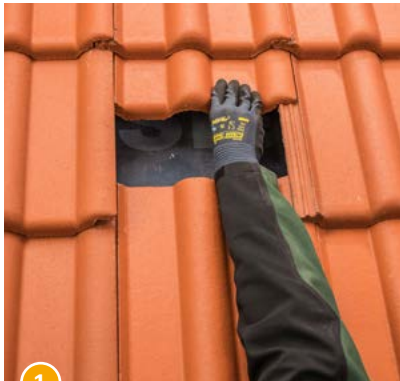
	Risk of injury from falling objects. Before starting installation, block off the danger zone and warn people in the vicinity!
	Design, installation and commissioning shall only be carried out by qualified personnel.
	Improper installation can result in damage to the roof and the entire PV system.
	Warning of fall hazard! There is a risk of falling when working on the roof as well as when getting on and off the roof. Always follow accident prevention regulations and use appropriate fall protection. PV racking systems are not intended to be used as climbing aids or fall protection. The roof must be sturdy enough to stand on.
	Follow these instructions for proper and safe use. Keep for future reference.
	Use a safety harness.
	Wear safety goggles.
	Wear safety gloves.

## Installation on the roof tile

Clamping between roof batten and roof tile

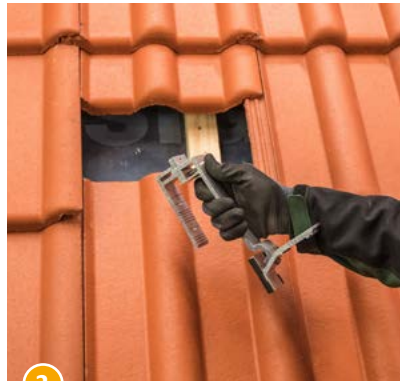


Only use on roofs with a min. pitch of 20°



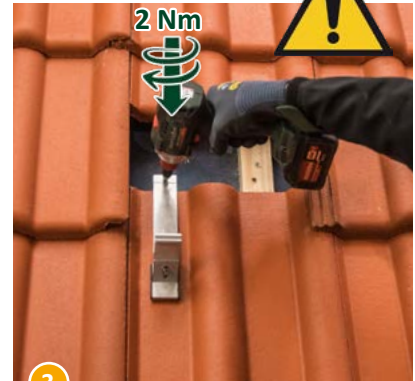
1

Push the roof tile upwards.



2

Insert the roof hook underneath the batten and over the tile.



3

Fixate the required position on the roof tile by tightening the screw.

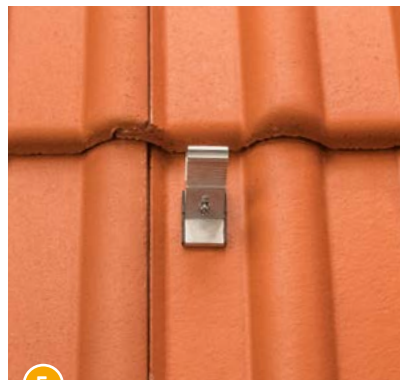
Attention: 2 Nm



4

Fixate the support.

Attention: 10 Nm



5

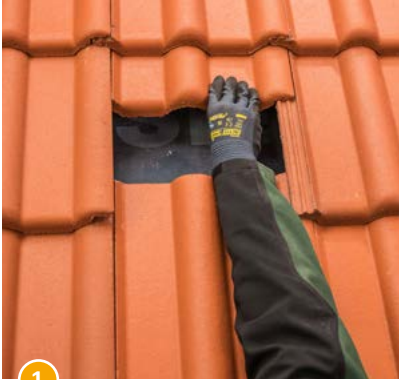
Bring the roof tile back into the original position by pulling it down.



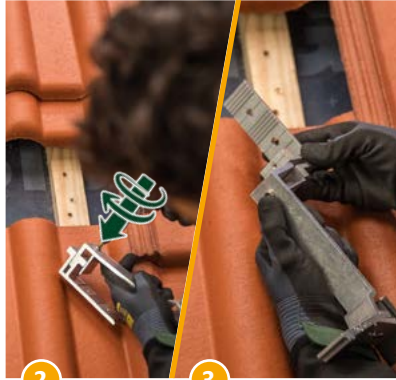
## Installation on the roof substructure



Only use on roofs with a min. pitch of 20°



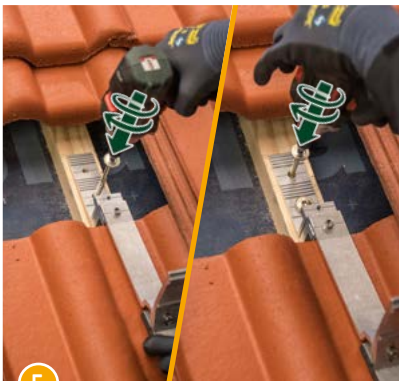
1 Push the roof tile upwards. If necessary, drill pilot holes into the rafter.



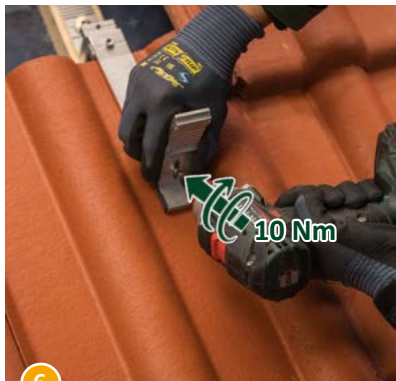
2 Loosen the bolt on the roof hook, pull out the lower part, switch it by 180° and slide it back in.



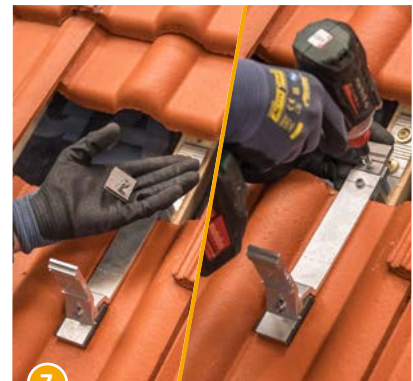
3 Position the roof hook on the rafter and tighten the previously loosened bolt (2 Nm).



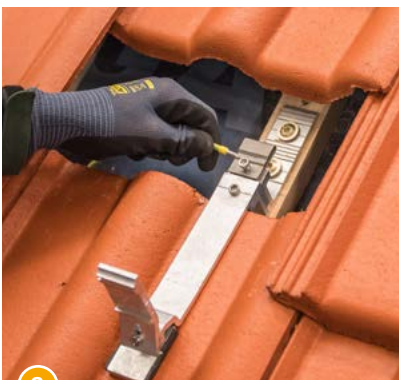
4 Attach the roof hook to the rafter with 2 wood screws.



5 Now fixate the support (10 Nm).



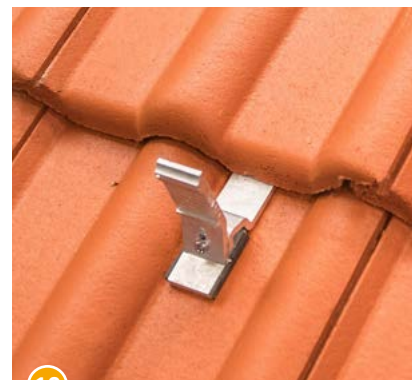
6 Position the Potential Equalization Plate and tighten the bolt slightly.



7 Insert the grounding wire into the Potential Equalization Plate.

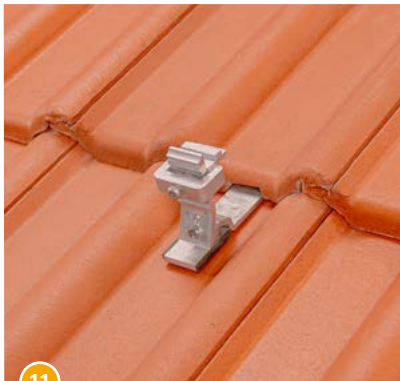


8 Tighten the bolt completely (10 Nm).



9 Bring the roof tile back into the original position by pulling it down.

## Installation on the roof substructure



**11**  
Attach the horizontal Clamp Combination to the roof hook.

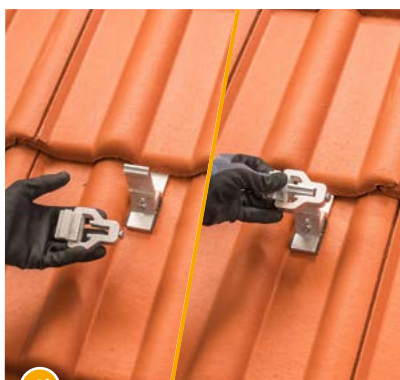


**12**  
Align the RAIL and click it in.



**13**  
Fixate the Clamp Combination by tightening the bolt (25 Nm) – **done!**

## **ALTERNATIVE ATTACHMENT METHOD WITH VERTICAL CLAMP COMBINATION**



**10b**  
Attach the vertical Clamp Combination to the roof hook.



**11b**  
Align the RAIL and click it in.



**12b**  
Fixate the Clamp Combination by tightening the bolt (25 Nm) – **done!**

## Technical Data

**Material**                Aluminum

**Design Tool**            SL-Rack Configurator **Solar.Pro.Tool**

**Statics**                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.

SL Rack  
[YouTube](#)



SL Rack  
[Website](#)



SL Rack  
[Online-ordering  
system](#)



Contact us  
for an offer:

**SL Rack GmbH**  
Münchener Straße 1  
D-83527 Haag i. OB  
Email: [sales@sl-rack.com](mailto:sales@sl-rack.com)  
Phone: +49 8072 3767-0  
[www.sl-rack.com](http://www.sl-rack.com)

Subject to technical changes  
and misprints.  
Version 07/2025 V02