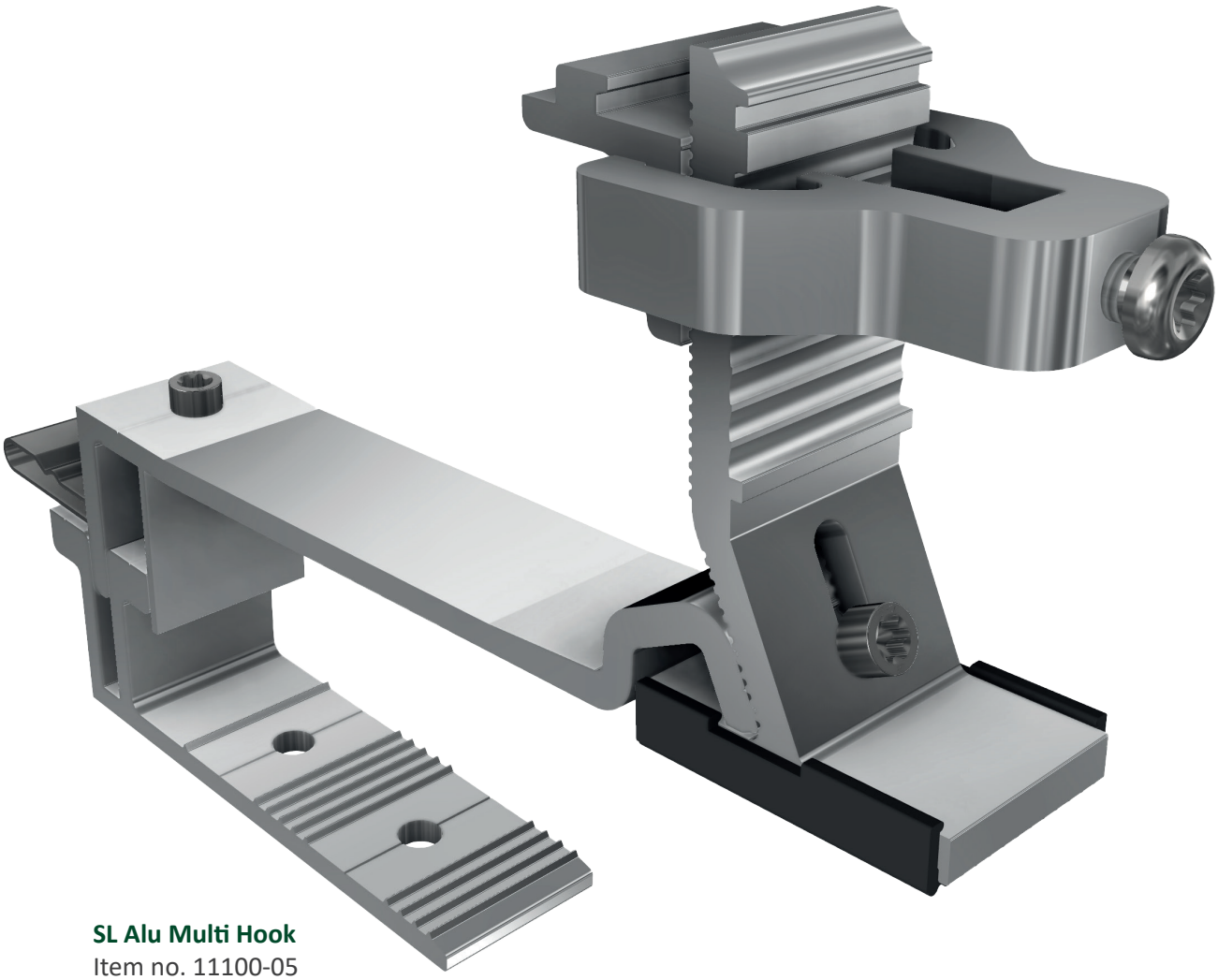
ROOF HOOK SL ALU MULTI HOOK

SL Rack
Schletter Ludwig



SL Alu Multi Hook
Item no. 11100-05

SL Rack continuously develops its products and offers customized solutions for the diverse requirements of its customers. An excellent example is the extremely flexible roof hook SL Alu Multi Hook.

In addition to two different installation methods on the roof, the SL Alu Multi Hook also allows for precise height adjustments. Pre-assembled components as well as the optional potential equalization clamp ensure an overall quick and easy installation.

Like all other roof hooks from SL Rack, the SL Alu Multi Hook is fully deburred, which means that the hook has no sharp edges. This minimizes the risk of injury during installation significantly.

Note: Before installing the roof hooks, make sure that static proof, that the roof can bear the additional load of the photovoltaic system, is available.

Durability 10 Years Warranty*

Qualitätsmanagement ISO 9001 DEKRA zertifiziert

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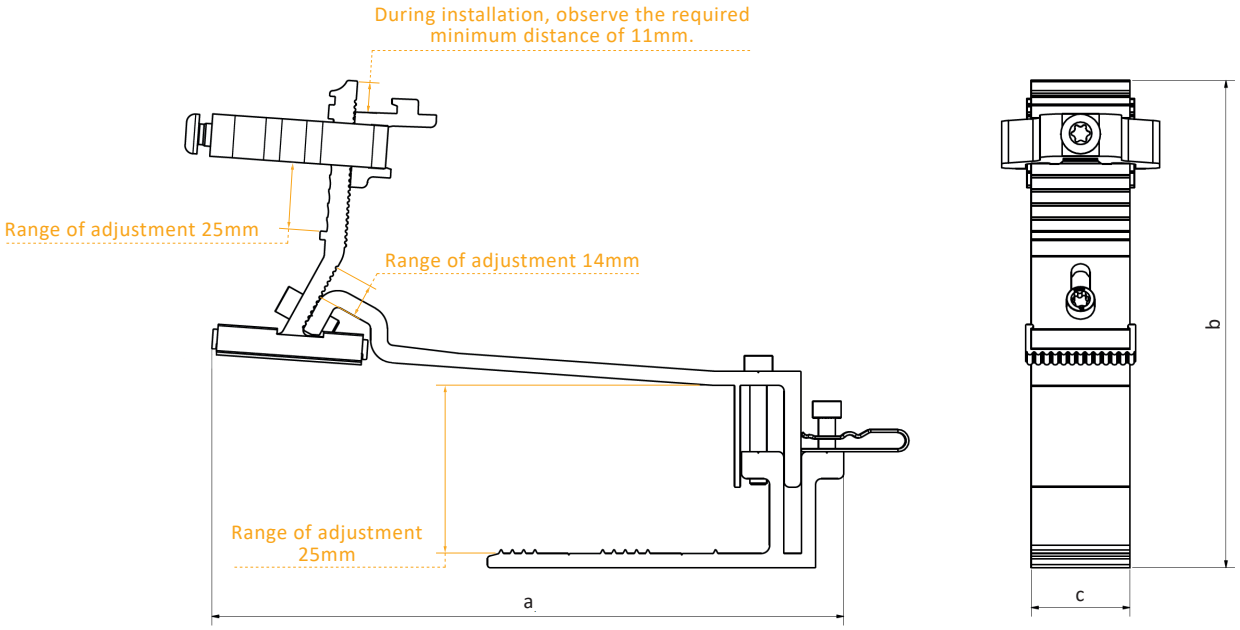
Your advantages with our product

- Extreme flexibility – a roof hook that attaches with or without screws
- Option of two installation methods:
  => Option 1: Hooked underneath the batten and over the tile, fixated by tightening the M6 bolt with Torx 40 (30 mm - 60 mm);
  An attachment with flange head wood screws to the rafter is unnecessary
  => Option 2: Attached to the rafter in extreme wind regions (30 mm - 60 mm)
- Double height adjustability:
  => Adapts to almost any roof
  => Compensates for uneven roof surfaces (25 mm)
- Optimum structure: Extremely slim design eliminates the need for tile cutting;
  can also be used with bonded concrete roof tiles
- Efficient positioning of the roof hook
  => Exact placement at the quarter point
  => Vertical or horizontal rail orientation
- Optimal load distribution due to wide support on the roof tile
  Risk of tile breakage reduced to a minimum
- Convenience of installation:
  => Roof hook can be attached to the belt during mounting
  => Pre-assembled components, no loss of small parts
  => Only one tool required for installation: Torx 40
- Compatible with SL Rack RAILs as well as competitor's products
- Easy grounding with Potential Equalization Clamp
  => Suitable to connect to lightning protection systems
- Corrosion and UV-resistant

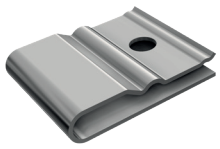
*Our warranty conditions apply.
They are available at www.sl-rack.com

Dimensions

	a	b	c
SL Alu Multi Hook	approx. 224 mm	approx. 172 mm	35 mm



Accessories



Optional Potential Equalization Clamp for SL Alu Multi Hook
Item no. 11100-08

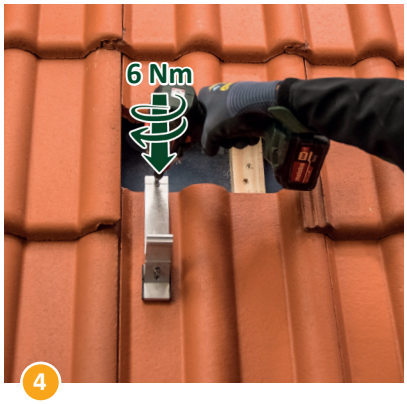
Installation Option 1

Clamping between batten and tile

1 Push the roof tile upwards.

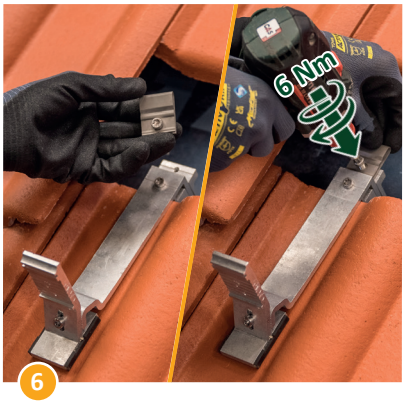
2 Insert the roof hook underneath the batten...

3 ...and over the tile.

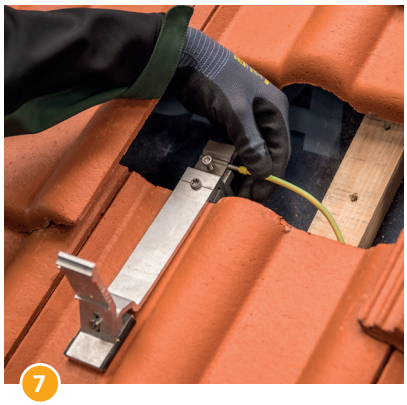


4 Fixate the required position by tightening the screw (6 Nm ± 0,5 Nm) on the roof tile.

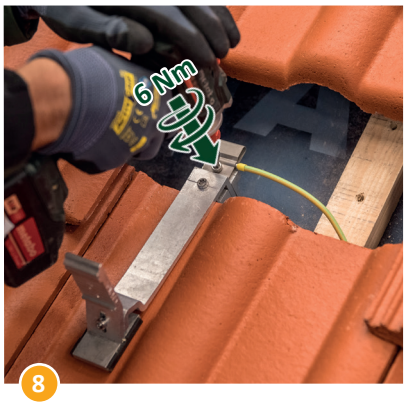
5 Now fixate the support (6 Nm ± 0,5 Nm).



6 Install the Potential Equalization Clamp by tightening the screw slightly.



7 Insert the grounding cable into the Potential Equalization Clamp...



8 ...and now tighten the screw completely (6 Nm ± 0,5 Nm).

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

Installation Option 1

Clamping between batten and tile

Attach the horizontal Clamp Combination onto the roof hook.

Align the RAIL and click it in.

Fixate Clamp Combination and RAIL by tightening the bolt (10 Nm ± 0,5 Nm) - **done!**

ALTERNATIVE ATTACHMENT METHOD WITH VERTICAL CLAMP COMBINATION

Attach the vertical Clamp Combination onto the roof hook.

Align the RAIL and click it in.

Fixate Clamp Combination and RAIL by tightening the bolt (10 Nm ± 0,5 Nm) - **done!**

Installation Option 2

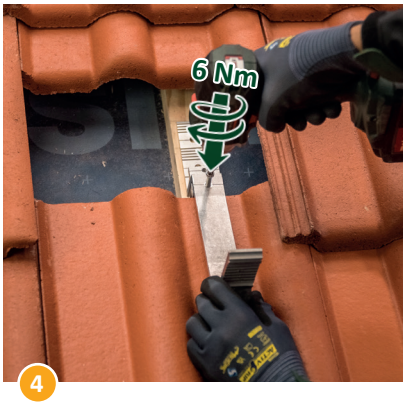
Attachment to rafter

1

Push the roof tile upwards. If necessary, drill a pilot hole into the rafter (check table on page 7).

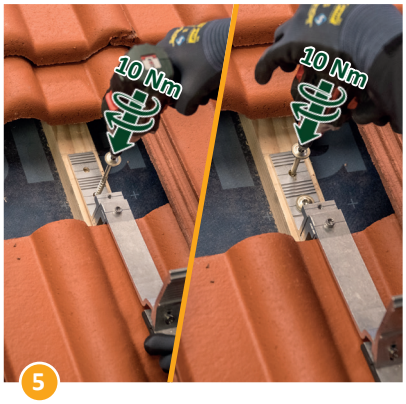
2 3

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



4

Position the roof hook on the rafter and tighten the previously loosened bolt (6 Nm ± 0,5 Nm).



5

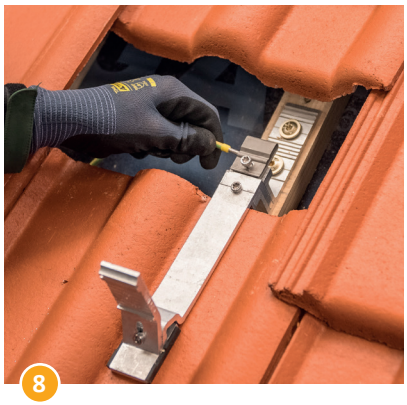
Attach the roof hook to the rafter with 2 wood screws (10 Nm ± 0,5 Nm).

6

Now fixate the support (6 Nm ± 0,5 Nm).

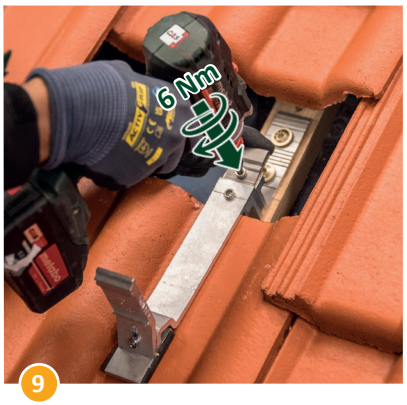
7

Install the Potential Equalization Clamp by tightening the screw slightly.



8

Insert the grounding cable into the Potential Equalization Clamp...



9

...and now tighten the screw completely (6 Nm ± 0,5 Nm).

10

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

Installation Option 2

Attachment to rafter

Attach the horizontal Clamp Combination onto the roof hook.

Align the RAIL and click it in.

Fixate Clamp Combination and RAIL by tightening the bolt (10 Nm ± 0,5 Nm) - **done!**

ALTERNATIVE ATTACHMENT METHOD WITH VERTICAL CLAMP COMBINATION

Attach the vertical Clamp Combination onto the roof hook.

Align the RAIL and click it in.

Fixate Clamp Combination and RAIL by tightening the bolt (10 Nm ± 0,5 Nm) - **done!**

Rafter Width

	Wood Screw Ø 6 mm	Wood Screw Ø 8 mm
SL Alu Multi Hook	Min. 36 mm - 60 mm*	Min. 48 mm - 72 mm*

Please note: Table only valid in conjunction with pre-drilling.

*depending on drilling combination:
Wood screw diameter 6 mm – pilot hole Ø 4,0 mm
Wood screw diameter 8 mm – pilot hole Ø 5,0 mm

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Technische Daten

Material	Aluminium
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.

At SL Rack, customers receive only high-quality products for easy, fast and safe assembly.
All components are developed with the utmost precision in Bavaria and come almost entirely from German and European production.

Your opinion is important to us!

We want to make your everyday work easier.
Your praise, criticism and suggestions for improvement help us to do this.
We look forward to your feedback.

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Subject to technical changes and misprints.
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