



SCHLETTER
The Solar Mounting Group

ROOF HOOK SERIES HSL

PRODUCT SHEET

ROOF HOOK SERIES HSL

- **High-strength steel, welded**
- **Surface: premium-quality coating**
- **Bar arrangement: symmetrical**
- **Pre-assembled**

The series HSL generation of roof hooks extends the broad portfolio of Schletter fastening elements for sloped tile roofs. Improved stability, innovative design, and fast, easy installation meet uncompromising efficiency and the utmost quality. The roof hooks consist of welded connections between the bracket and the screw-on mounting plate and are suitable for all common tile roofs with a wooden substructure.

The HSL series' fastening elements are made of high-strength construction steel and meet all requirements for high stability and durability. They are therefore ideal with Schletter's proven modular principle.



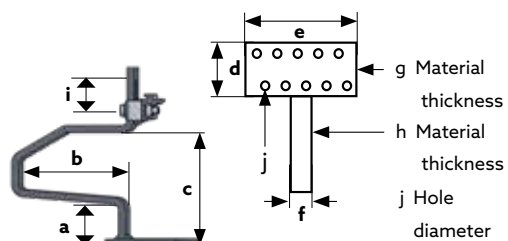
In contrast to ordinary roof hooks made of aluminum or stainless steel, fewer project-specific fastening points are required. The advantage can be seen immediately: HSL roof hooks' optimized stability makes quick system planning easier, visibly shortens installation time, and reduces the photo-voltaic system's total costs to a minimum.

Type EcoS HSL is the secure, economical fastening element for simple installation with screw joints. The improved versions, Rapid45 HSL and RapidMax HSL, come pre-assembled from the factory, and even include the well-known KlickTop quick installation adapter. Safe, controlled material deformation through the Rapid roof hooks' innovative geometry prevents the roof hooks from resting on the roof pantiles and prevents their breakage.



Optimized: Latest-generation roof hook installation: The Rapid2+ can be optimally and quickly fastened to a tile roof thanks to the improved KlickTop adapter with the innovative FlowDrill production process and an EPDM rubber seal as a spacer.

COMPONENT OVERVIEW



Dimensional drawing for the tables



100018-000 Roof hooks Eco S HSL

	a	b	c	d	e	f	g	h	i	j	
mm	45	110	120	80	150	35	5	6		9	PU:20



101001-002 Roof hooks Rapid2+ 45 HSL

	a	b	c	d	e	f	g	h	i	j	
mm	45	110	115	80	150	35	5	6	30	9	PU:20



101005-004 Roof hooks Rapid2+ Max HSL

	a	b	c	d	e	f	g	h	i	j	
mm	45	132	114	80	150	35	6	8	30	9	PU:10

FASTENING SCREWS

WOOD SCREW

We recommend at least 80 mm for non-nested roofs, at least 120 mm for roofs with nesting and counter battens!

Wood screw with flat head VA

943208-080	8 x 80	PU:100
943208-100	8 x 100	PU:100
943208-120	8 x 120	PU:50



sample

Wood screw with flat head, galvanized

942208-080	8 x 80	PU:50
942208-100	8 x 100	PU:50
942208-120	8 x 120	PU:50

Seal for flat-head screws

119016-000	dm 8 EPDM
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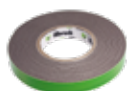
ACCESSORIES

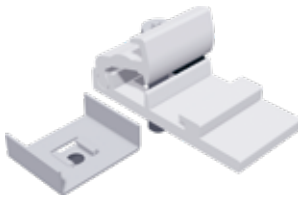
973000-075	Spacer plate for roof hooks 2.5/5 mm* PU:50
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*expected to be available starting Q2/2020



973000-683	Roof hook sealing tape, gray TP600 10 m	PU:15
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109008-003

RapFix attachment for Eco roof hooks especially for roof hooks that are not available in a Rapid version

PU:50



925120-002

Spacer sleeve plastic 1 m

- For rafter insulation
- Can be used as a spacer sleeve for rafter insulation together with extra-long fastening screws
- Plastic version prevents cold bridges
- Cut to desired length
- Order screws separately!
- Observe the reduced load per roof hook!



109010-000

Extra bracket Iso07
For roof hook fastening, system Iso07

PU:20

TECHNICAL DATA

Planning guide

Configuration and static measurement through the Schletter Configurator

Statics

Statics calculation based on generally accepted technical rules. The stability verification for the installation system is conducted based on the Eurocode. The load assumptions reflect DIN EN 1991-1 and the provisions of the national appendix. Verification for the roof covering and the building is not included. The instructions in the verification guide must be observed.

Further information at: www.schletter-group.com

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