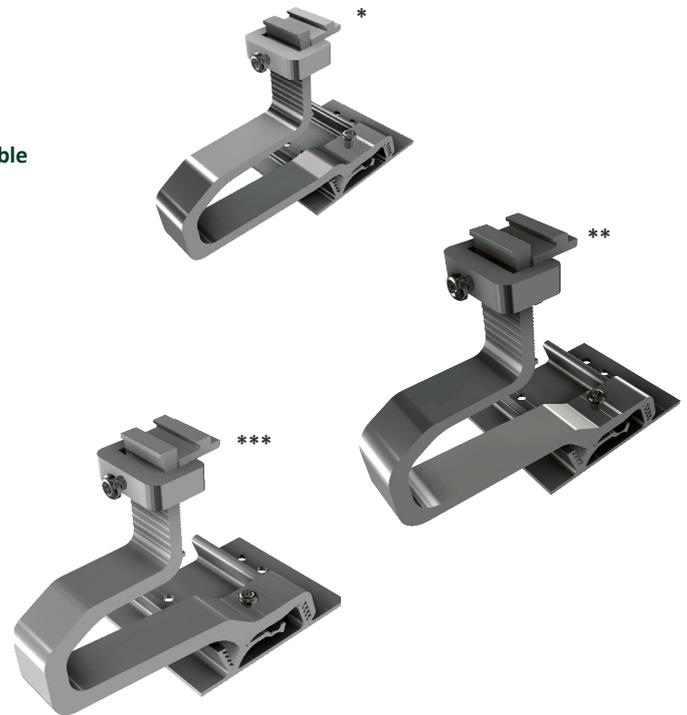




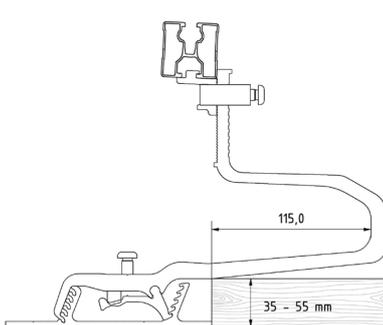
- Can be easily adjusted in height even afterwards
- A spacer plate is not required
- Due to larger screw spacing use of screws with a \varnothing of 6 mm possible
- Can also be screwed onto narrow girders (e.g. for nail binders), with 6 mm screws even possible from a wood width of 36 mm
- Must only be inserted and then fixed

- Lateral adjustment possible (therefore extremely flexible)
- Can be combined with rafter span profile for a maximum horizontal shiftability
- Completely made of aluminium
- Simplifies transport and assembly
- Advantage of aluminium compared to stainless steel: The thickness of the material can be adapted to the absorption of the acting forces



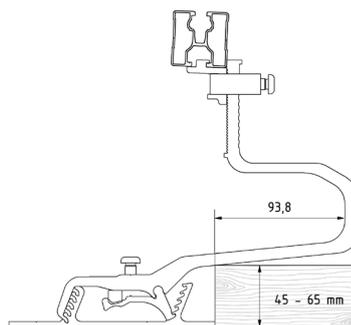
Vario SL-Alu-35	Part no. 11135-01*
Vario SL-Alu-45	Part no. 11145-01**
Vario SL-Alu-45 X	Part no. 11145-02 ***

With the roof hook Vario SL-Alu photovoltaic systems can be mounted on all common tiled roofs. Due to the double height adjustability both at the base plate and at the head of the roof hook, it is particularly flexible and can be adapted and adjusted to the roof without using shims. The design also allows an optimum horizontal positioning of the bracket when exiting between the roof plates.



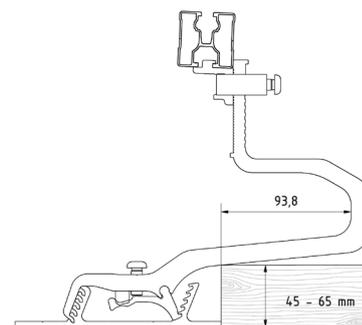
Vario SL-Alu-35

- Part no. 11135-01
- Standard version
- Foot height 35- 55 mm



Vario SL-Alu-45

- Part no. 11145-01
- Standard version
- Foot height 45- 65 mm



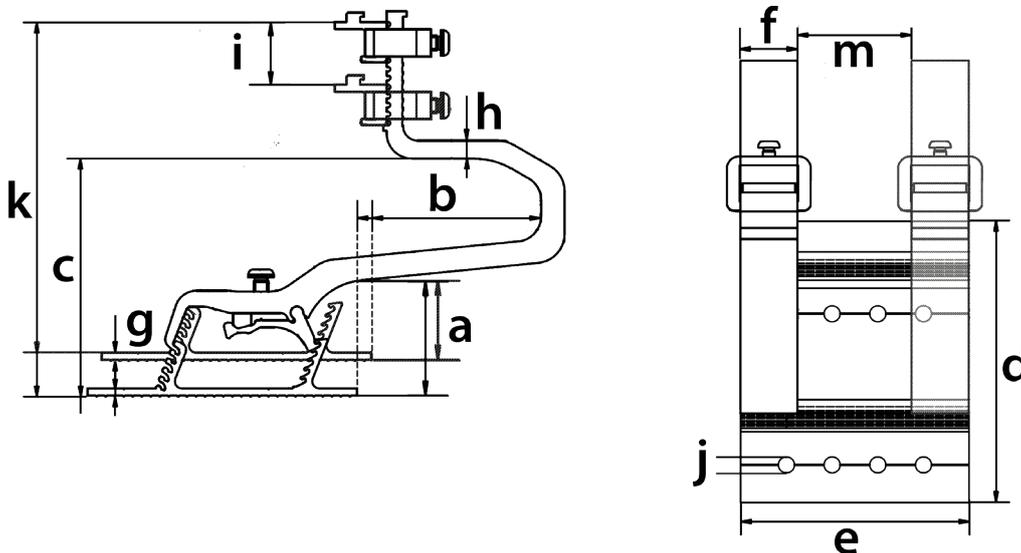
Vario SL-Alu-45 X

- Part no. 11145-02
- Standard version
- Foot height 45- 65 mm for high snow loads



Dimensions

	a	b	c	d	e	f	g	h	i	j	k	m
Vario SL-Alu-35	35 - 55 mm	115 - 123 mm	105 - 125 mm	149 mm	120 mm	35 mm	4 mm	7 mm	35 mm	8,5 mm	180 - 200 mm	50 mm
Vario SL-Alu-45	45 - 65 mm	93,8 - 102 mm	112 - 132 mm	149 mm	120 mm	35 mm	4 mm	7 mm	35 mm	8,5 mm	188 - 208 mm	50 mm
Vario SL-Alu-45 X	45 - 65 mm	93,8 - 102 mm	112 - 132 mm	149 mm	120 mm	35 mm	4 mm	10 mm	35 mm	8,5 mm	188 - 208 mm	50 mm



Supplies

The following components are available as mounting supplies:



Clamp combination vertical
Part no. 11105-05



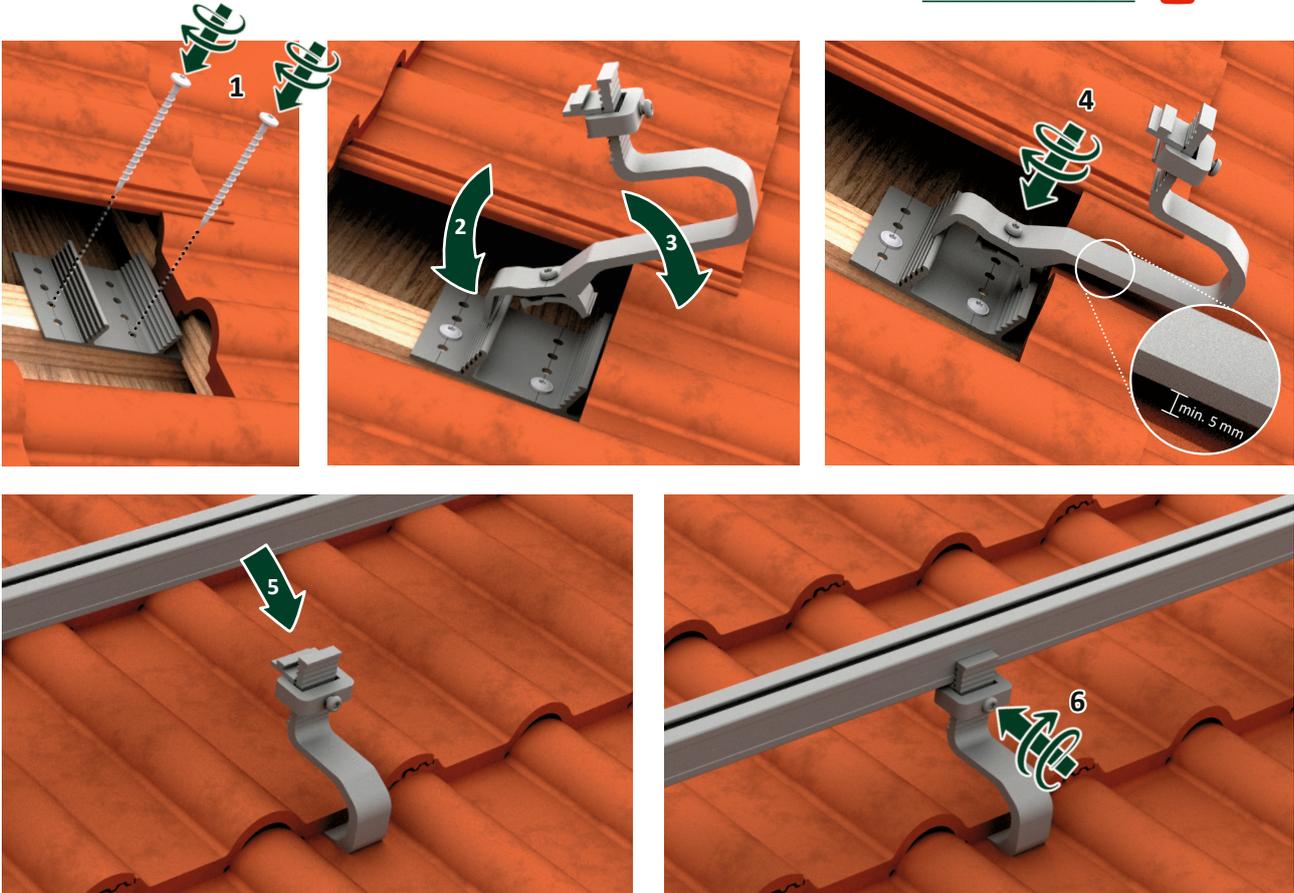
Clamp combination horizontal
Part no. 13101-05



Mounting procedure



Please also have a look at our video about the assembly:
[Mounting video SL Rack Roof hook Vario SL-Alu](#)



1. Remove the roof tile and fix the base plate to the rafter with at least 2 wood screws (at least 1 per hole line + as usual, use an angle grinder to fade out the top tile and bottom tile in the area of the bracket)
2. Place the hook in the appropriate position
3. Put the bracket down, while keeping the minimum distance of 5 mm between the bracket and the brick
4. Fix the position by tightening the screw ($8 \text{ Nm} \pm 0.5 \text{ Nm}$), cover the roof tile again
5. Place the profile on the roof hook and adjust the height
6. Fix the position by tightening the screw ($15 \text{ Nm} \pm 0.5 \text{ Nm}$) – ready!



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 for improvement or criticism with us, so we can continue to improve our products and develop new ones.



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Subject to technical changes and misprints. Status 10/2021 V23