

- **Universal profile holder for RAIL mounting profiles**
- For sealing with EPDM rubber and pressure calotte for the protection of the seal against UV radiation and the conservation of the sealing function
- Can be screwed into wooden construction

SL Plan is available as a set with hanger bolt attachment and the following solar fasteners:

- Part no. 23310-200** External hexagon M10 x 200
- Part no. 23310-300** External hexagon M10 x 300
- Part no. 23312-200** External hexagon M12 x 200
- Part no. 23312-300** External hexagon M12 x 300

Sealing plate
Part no. 23201-00

- For balanced load distribution
- Highest sealing for bitumen roofs and bitumen shingle roofs



Bitu-Pad
Part no. 23201-03

- Additional to the SL Plan hanger bolt set
- Incl. sealing plate
- For optimum sealing on bitumen roofs
- Self-adhesive



Hanger bolt attachment M10/M12

- **For universal mounting of RAIL mounting profiles with lower 10.5 mm groove**

The hanger bolt attachment is also available individually in the following sizes:

- Part no. 11301-10** Size M10
- Part no. 11301-12** Size M12

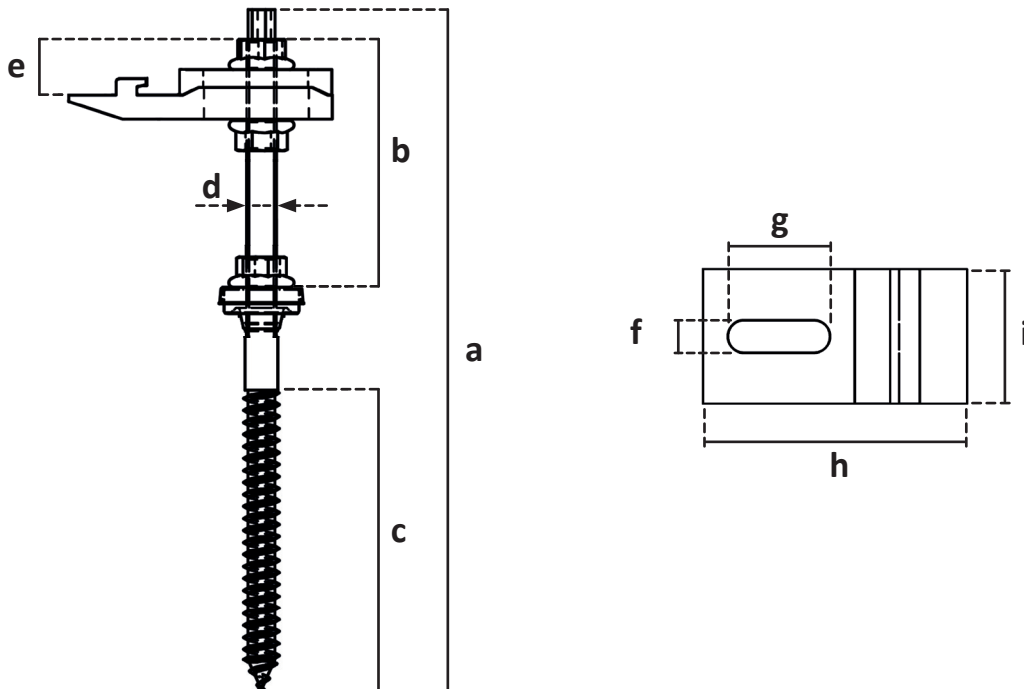
Mounting procedure

- 1 Clean the area on the roof intended for mounting with a suitable cleaner.
- 2 Stick the Bitu-Pad to the corresponding mounting surface.
- 3 Drill a hole through the centre of the Bitu-Pad through the roof into the rafter and place the sealing plate centrally on the Bitu-Pad.
- 4 Place the screw with the seal (EPDM rubber) and the pressure dome centrally on the Bitu-Pad and screw in the screw.
- 5 Loosen the upper screw nut.
- 6 Align the hanger bolt attachment at the appropriate height for the module using the lower nut and lock it with the top nut.
- 7 Tighten the nut over the pressure dome for proper sealing.



Dimensions

SL Plan hanger bolt set	a	b	c	d	e	f	g	h	i
23310-200 (M10 x 200)	200	85	67	10	20	11	35	88	45
23310-300 (M10 x 300)	300	150	67	10	20	11	35	88	45
23312-200 (M12 x 200)	200	100	80	12	20	13,5	37,5	88	45
23312-300 (M12 x 300)	300	150	100	12	20	13,5	37,5	88	45



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