

Roof Connection Elements Portfolio

Current State April 2010

Explanation

The following overview shows all actually deliverable roof connection elements of the Schüco International KG.

With help of the attached layout (dimensions in [mm]) you can find the right roof connection elements for all current roofing for Schüco mounting systems.

The in the short description mentioned corrosion resistance tests were realised in the Schüco technology centre and were verifying according to DIN.

The roof anchors absolved stress tests in the Schüco technology centre. The mentioned values show the maximum resilience of the roof anchors. These values can be used as benchmark and show the maximum nominal force that is allowed when they are stressed by pressure.

General Note for Selection an Mounting of Roof Connection Elements

The major part of roof connection elements are still the roof anchors for tile pitched roofs. In these cases you have to choose the roof anchors by form and size of the roof tiles. In case of doubt you have to check on side if the roof anchor is usable. You should also check the cover of the roof tiles and the nature and size of the battens. When the roof tiles are higher than normal it can be necessary to line the roof anchor.

In case of mounting a rafter independent roof anchor is an additional mounting board necessary. The mounting of the hook on the existing roofing battens is not allowed.

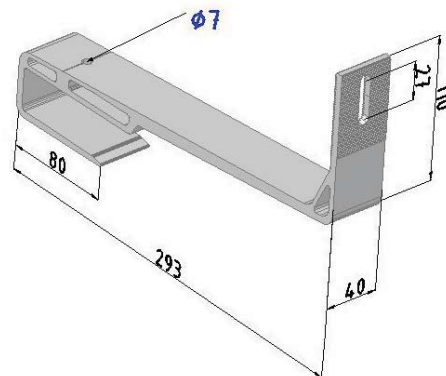
The machining of the roof tiles is in the most cases necessary. It is important that you don't weak the roof tiles in a forbidden way. Otherwise it is possible that the roof tile breaks in the future. Be aware that older roof tiles have a lower resilience. In Case of doubt you should change the roof tiles in the area of the roof anchors.

The choice and the number of roof anchors depend on the local snow and wind load. When the roof anchors are stressed in range of their maximum it is unavoidable that they deform. A contact between roof anchor and roof tile can't be avoid. In case of high snow and wind loads it is recommend using alternative sheet metal tiles.

257119 Pfanne 2-Al/2
257120 Pfanne 2-Al/100
257888 Pfanne 2-Al/500

Properties:

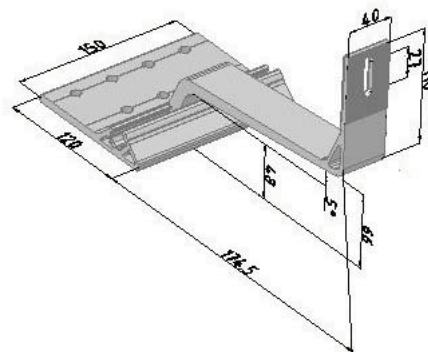
- Material: Aluminium
- Rafter independent mounting
- Usable for roof battens till 35mm (Frankfurter Pfanne)
- Maximum cover: 150mm
- For front view base rail mounting with OT22
- Height adjustment of the base rail 27mm



257121 Pfanne 5-Al/2
257122 Pfanne 5-Al/100
257889 Pfanne 5-Al/500

Properties:

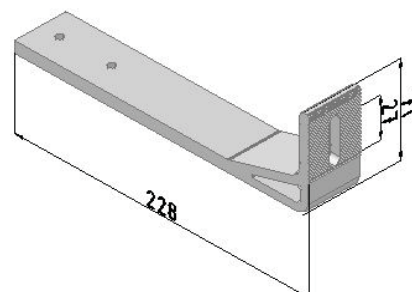
- Material: Aluminium
- Rafter dependent mounting
- Horizontal adjustable
- Usable for roof battens till 36mm
- Long overhang
- Maximum cover: 155mm
- For front view base rail mounting with OT22
- Height adjustment of the base rail 27mm
- Maximum resilience: pressure 78kg



256313 Schiefer Al-PV/2
256314 Schiefer Al-PV/100

Properties:

- Material: Aluminium
- Usable for full boarding
- Bore diameter 6mm
- For front view base rail mounting with OT22
- Height adjustment of the base rail 27mm
- Verifying according to : DIN 50017 (Condensate test) and DIN 50021 (Salt spray test)

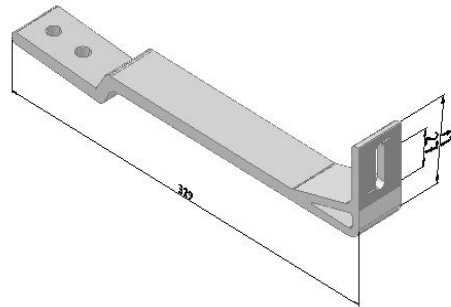


256311 Biber-Al-PV/2

256312 Biber-Al-PV/100

Properties:

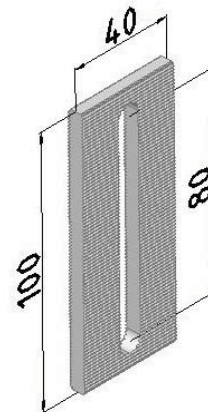
- Material: Aluminium
- Useable for plain tail roofing and swelling free
- For front view base rail mounting with OT22
- Height adjustment of the base rail 27mm
- Bore diameter 11mm
- Verifying according to : DIN 50017 (Condensate test) and DIN 50021 (Salt spray test)



257123 DA- Verlängerung-Al/20

Properties:

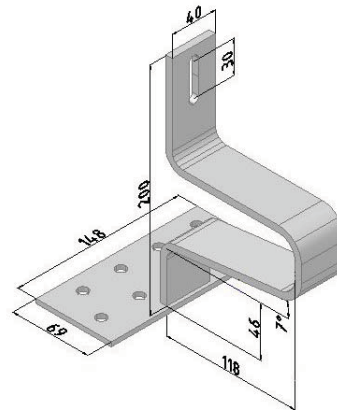
- Material: Aluminium
- Extension for roof anchor Pfanne 2-Al, Pfanne 5-Al, Schiefer Al-PV and Biber Al-PV
- For front view base rail mounting with OT22
- Height adjustment till 80mm



256315 Pfanne-8-PV/2
256316 Pfanne-8-PV/100

Properties:

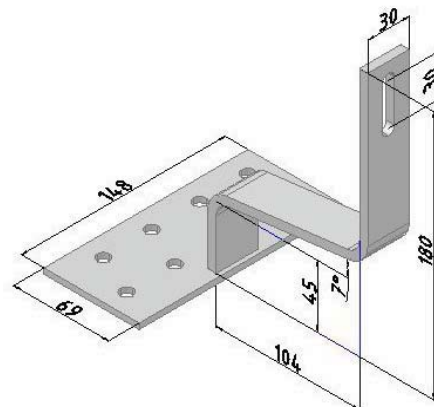
- Material: 1.4301
- Material thickness: 6mm
- Rafter dependent mounting
- Height adjustment of the base rail 21mm
- Large base
- Bore diameter the base 9mm
- For front view base rail mounting with OT18
- Maximum cover: 110mm
- Maximum resilience: pressure 80kg



256317 Pfanne-9-PV/2
256318 Pfanne-9-PV/100
256319 Pfanne-9-PV/500

Properties:

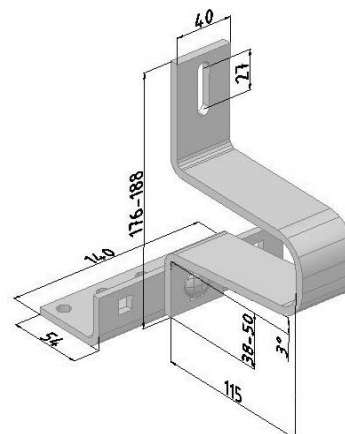
- Material: 1.4301
- Material thickness: 6mm
- Rafter dependent mounting
- Height adjustment of the base rail 21mm
- Large Base
- Bore diameter the base 9mm
- For front view base rail mounting with OT18
- Maximum cover: 100mm
- Maximum resilience: pressure 73kg



257125 Pfanne 10/2
257126 Pfanne 10/100
257786 Pfanne 10/500

Properties:

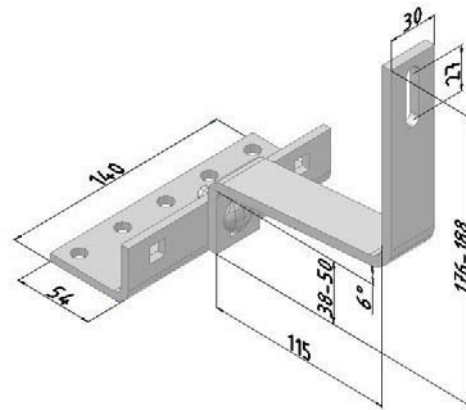
- Material: 1.4301
- Material thickness: 6mm
- Rafter dependent mounting
- Height adjustment of the base rail 27mm
- On the side threefold adjustable
- Small base
- Bore diameter the base 9mm
- For front view base rail mounting with OT18
- Maximum cover: 110mm
- Maximum resilience: pressure 84,9 kg



257127Pfanne 10.1/2
257128Pfanne 10.1/100
257129Pfanne 10.1/500

Properties:

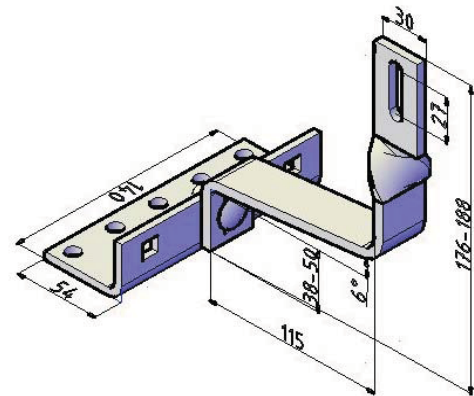
- Material: 1.4301
- Material thickness: 6mm
- Rafter dependent mounting
- Height adjustment of the base rail 27mm
- On the side 3 threefold adjustable
- Small base
- Bore diameter the base 9mm
- For front view base rail mounting with OT18
- Maximum cover: 110mm
- Maximum resilience: pressure 72,6 kg



257130 Pfanne 10.2/2
257131 Pfanne 10.2/100
257787 Pfanne 10.2/500

Properties:

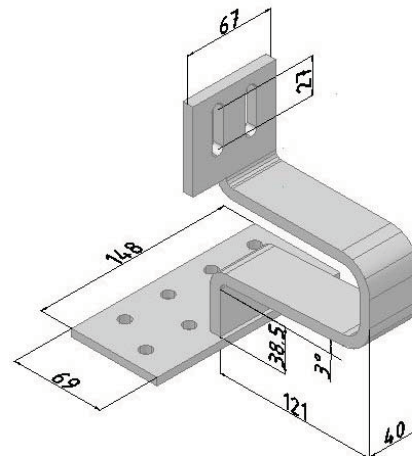
- Material: 1.4301
- Material thickness: 6mm
- Rafter dependent mounting
- Height adjustment of the base rail 27mm
- On the side 3 threefold adjustable
- Small base
- Bore diameter the base 9mm
- For mounting on the side with vertical mounted base rails with OT18
- Maximum cover: 110mm
- Maximum resilience: pressure 77,8 kg



259739 Pfanne 13/2
259781 Pfanne 13/500

Properties:

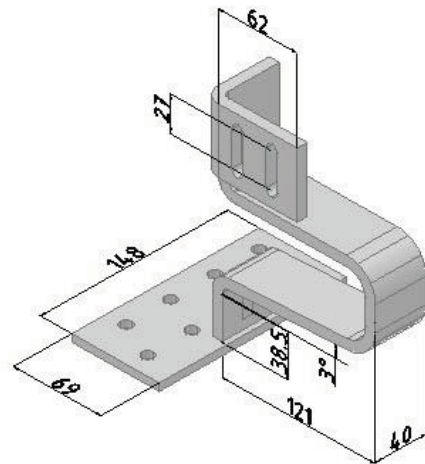
- Material: 1.4301
- Material thickness: 8mm
- Rafter dependent mounting
- Height adjustment of the base rail 27mm
- Large base
- Bore diameter the base 9mm
- For front view base rail mounting with 2x OT22
- Maximum cover: 115mm
- Maximum resilience: pressure 269 kg



259740 Pfanne 13.1/2
259782 Pfanne 13.1/500

Properties:

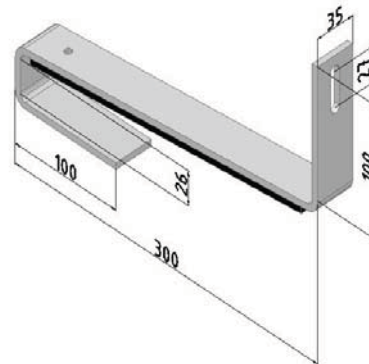
- Material: 1.4301
- Material thickness: 8mm
- Rafter dependent mounting
- Height adjustment of the base rail 27mm
- Large base
- Bore diameter the base 9mm
- For mounting on the side with vertical mounted base rails with 2x OT22
- Maximum cover: 115mm
- Maximum resilience: pressure 351kg



259749 Pfanne 14/2
259783 Pfanne 14/500

Properties:

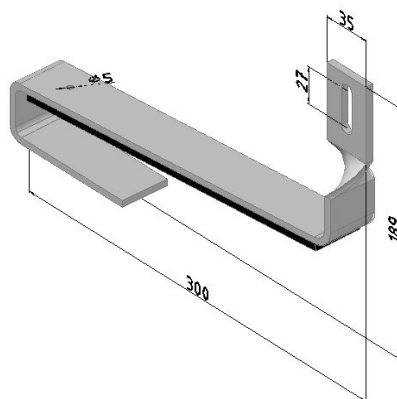
- Material: 1.4301
- Material thickness: 5mm
- Rafter independent mounting
- For roof battens till 35mm
- Long overhang
- Maximum cover: 150mm
- Height adjustment of the base rail 27mm
- For front view base rail mounting with OT18
- Maximum cover: 150mm



259798 Pfanne 14.1/2
259799 Pfanne 14.1/500

Properties:

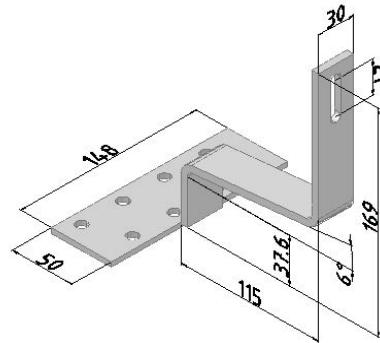
- Material: 1.4301
- Material thickness: 5mm
- Rafter independent mounting
- For roof battens till 35mm
- Long overhang
- Maximum cover: 150mm
- Height adjustment of the base rail 27mm
- For mounting on the side with vertical mounted base rails with OT18
- Maximum cover: 150mm



259750 Pfanne 15/2
259784 Pfanne 15/500

Properties:

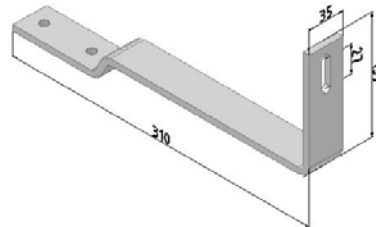
- Material: 1.4301
- Material thickness: 5mm
- Rafter dependent mounting
- Small base
- Bore diameter in the base 9mm
- Maximum cover: 100mm
- For front view base rail mounting with OT18
- Maximum resilience: 100kg



259779 Pfanne 16/2
259785 Pfanne 16/500

Properties:

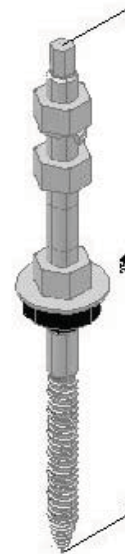
- Material: 1.4301
- Material thickness: 6mm
- Usable for monk- hollow tile,
South Europe roof anchor
- For front view base rail mounting with OT18
- Maximum cover: 200mm



231149 Stockschraube 200/20
259583 Stockschraube 200/100

Properties:

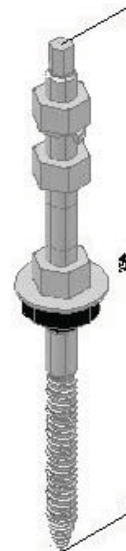
- Material: 1.4301
- Screw footage: 200mm
- Metric thread: M10x110
- Wood thread equates to DIN 571 10x70 (lead 5mm)
- Incl. 1 gasket, 3 Nut u. 3 washers



259780 Stockschraube 250/20
259786 Stockschraube 250/100

Properties:

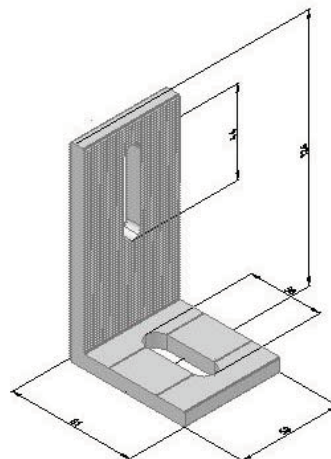
- Material: 1.4301
- Screw footage: 250mm
- Metric thread: M10x160
- Wood thread equates to DIN 571 10x70 (lead 5mm)
- Incl. 1 gasket, 3 Nut u. 3 washers



256194 L-Stockschraubenadapter/20
259665 L-Stockschraubenadapter/100

Properties:

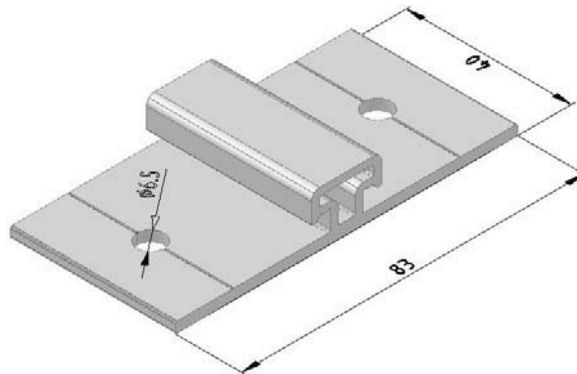
- Material: Aluminium
- For front view base rail mounting with OT22
- Height adjustment of the base rail till 44mm
- Long hole adjustment of the stair bolt 29mm



256039 Trapezhalter

Properties:

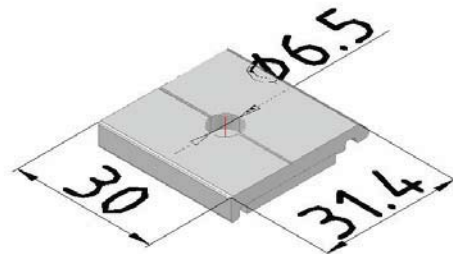
- Material: Aluminium
- For direct mounting of the base rail 160 S on trapeze roofs
- Incl. gasket strip according to DIN 18542
- For mounting it is necessary to use sheet metal screws that are permitted by the building inspection



259930 Trapezhalter /50

Properties:

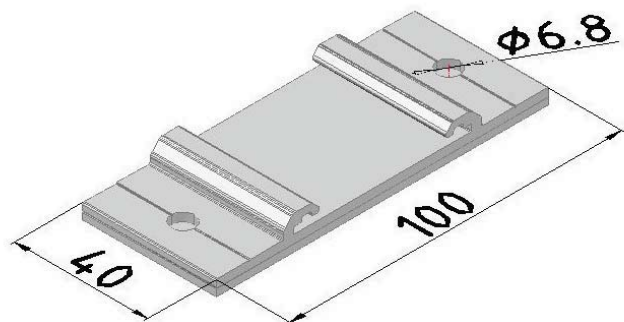
- Material: Aluminium
- For direct mounting of the base rails BP 030 T, BP165H and MSE100 on trapeze roofs
- Incl. gasket strip according to 18542
- Max. distance of the fastener: 0,3m
- For mounting it is necessary to use sheet metal screws that are permitted by the building inspection



259733 Trapezhalter doppelte Befestigung /50

Properties:

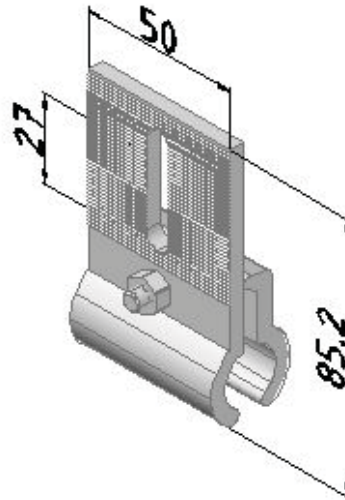
- Material: Aluminium
- For direct mounting of the base rails BP 030 T, BP165H and MSE100 on trapeze roofs
- Incl. gasket strip according to DIN 18542
- Max. distance of the fastener: 0,6m
- For mounting it is necessary to use sheet metal screws that are permitted by the building inspection



259664 Balkenklemme–Al/100

Properties:

- Material: Aluminium
- For standing seam roofs
- Height adjustment of the base rail 27mm
- For mounting on the side with vertical mounted base rails with OT22
- Concerning to the distance between the fasteners you have to ask the manufacturer for advice.



259778 Balkenklemme /100

Properties:

- Material: 1.4301
- For standing seam roofs
- For mounting on the side with vertical mounted base rails with OT18
- Concerning to the distance between the fasteners you have to ask the manufacturer for advice.

