



## Mountings for solar and collector installation

### Remarks to holding-force and statically considerations

The determination of the number of solar mountings is dependent on construction, weight and size of the modules. As distance between the mountings, a standard value of 0.60 m across the lock seam direction is given.

Our solar mountings are built in accordance with the principle of our gutter board clamping system, i.e. the vapour barrier is not damaged through the fastening, the clamp holder is clamped to the Double-standing-seam.

With a tightening moment of 50 Nm, a holding force of the individual mounting of 0.8 kN (80 kg) can be achieved.



Load transfer from the solar mounting to the sub-construction. Here, it has to be determined individually which wind suction and snow load is to be expected. According to these findings it has to be determined whether the tightening by means of clamping lugs is sufficient or whether the installations have to be secured additionally. For nails which serve the purpose of tightening the bondings on metal roofs, an initial value of approx. 400 N (40 kg) has to be set. These results in the fact that – even before the clamp holder comes off the standing seams - the bonding has to come off the wooden sub-construction, for example.

In case of doubts it is indispensable to gather information from local engineers engaged in statical calculations. We are pleased to give you further information.

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*Please note our large product range around metal roofs: snow retention systems, step brackets, solarholders and our programm about clips. Further informations you will find on our homepage.*

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