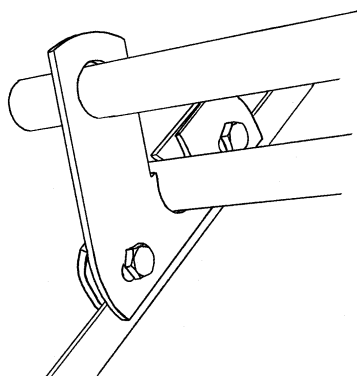


## Double-tube snow retention bracket for standing seam roofing

### Version:

Aluminum	AlMgSi, thickness 6 mm, with zinc-coated screws and nuts	Article-No.: LA-1140
Aluminum	AlMgSi, thickness 6 mm, with stainless steel screws and nuts, A2	Article-No.: LA-1145
Copper	Full copper, E-CU 57, thickness 5 mm, with stainless steel screws and nuts, A2	Article-No.: LA-1147

### Illustration:



### Description:

#### Double-tube snow retention bracket (Height ca. 150 mm) for standing seam roofing.

for tubes with an outer diameter of max. 33 mm.

Designation according to the expert regulations of the German plumbing crafts.

#### Contents each:

- 1 pce. Bracket with cut-out for tube and cranking to equalize the folding of the standing seam.
- 1 pce. Double-tube bracket (for two tubes)
- 2 pce. Screw, A2 – size: 12 x 30
- 2 pce. Nuts, A2 – size: M 12  
alternative with screws and nuts of galvanized steel

**Packing unit:** 10 pcs.

### Mounting:

Same procedure as with normal brackets. But now place the second (upper) tube in before tightening the screws. To archive a better fixation of the upper tube, place the brackets view millimetres transposed to the string-direction.

Place one pair of brackets on the right and left side of the verges. Span a string in order to get a straight line. Induct tube and fix it on each side by the above mentioned pairs of brackets.

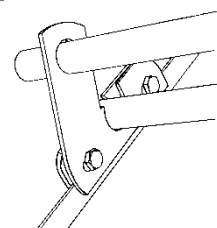
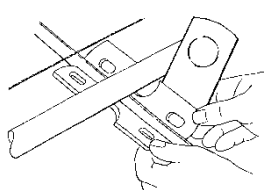
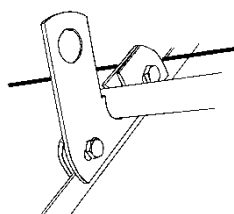
Place tube connector and set the next tube.

Place bracket with the bead showing to the inside, horizontal under the tube. Fold both bracket parts up at the same time.

The cutouts have to be in counter-directions, in order to get fixation for the tube. Set the screws. Start mounting at the middle of tube. Tighten screws by hand and adjust it with the help of the string.

Mount all brackets and fix them with a ratchet or screwdriver.

Recommended torque:  
at least 50 Nm.



## Double-tube snow retention bracket for standing seam roofing

### Important note:

If you have decided to install a double-tube snow retention system, it is indispensable to install additional single-tube snow retention rows too.

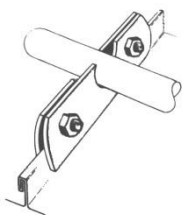
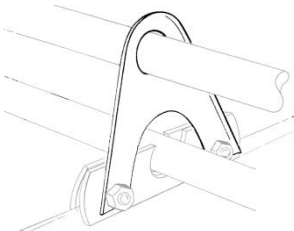
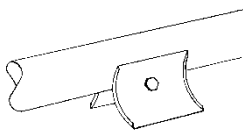
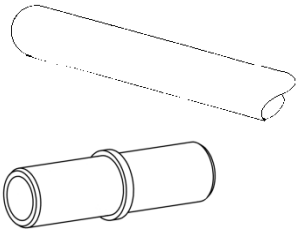
### **Notes for executions:**

Determining are the local and usual climatic conditions, zones of snow-load by DIN 1055-5 (German standard), as well as the roof pitch, its designation and the dimensions of the roof-sheets. These guidelines are necessary for mounting, calculation, arrangements of holders and fixation of the snow retention system. Additionally you have to consider all governmental orders, if available.

If you mount a snow retention system, you have to consider the increased load on the roofing-construction and on the trapezoidal applications.

Please contact us if you have any further questions or if you need any assistance.

### **Additional equipment for snow retention bracket:**

Snow retention bracket for single-tube (for additional single-tube snow retention rows (above the double-tube))	Heightening element, for double-tube system (in conjunction with an additional single-tube snow retention row)	Snow stop between tube and roofing	Tube with a wall thickness of at least 2 mm  Tube connector
			

***Please note our large product range around metal roofs: snow retention systems, step brackets, solar holders and our program about clips. Further information you will find on our homepage.***