E-Saddle for Copper Double Folded Seam

Data Sheet and Installation Instructions

On copper roofs, aluminium clamps are not allowed to be mounted directly on the seam due to electrochemical corrosion. For this reason, clamps made of brass, such as the S-5!® B-Clamp or B-Mini (or those made of stainless steel) must be used on these roofs.

The RoofTech E-Saddle, made of stainless steel, creates a separation between the seam of the copper roof and an aluminium S-5!® E clamp, thus preventing electrochemical contact corrosion. The group of S-5!® E-clamps can thus be used in conjunction with the E-Saddle on copper roofs with double standing seam up to max. 5mm seam thickness. This is an imperfect but cost-effective alternative.

Product name: **RoofTech E-Saddle**

to insert between Copper roof with double standing seam and S-5!® E-Clamp, E-Mini or E-Mini-FL.

Material: 0,5mm Stainless Steel

Length: 65mm

Wide: ca. 6mm

Weight: 11 gr / pcs.

Packed with 100pcs. or

500 pcs. per box.

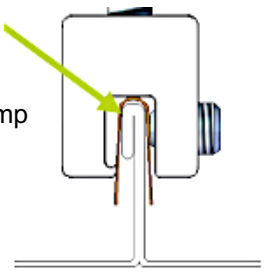
Please note following when installing S-5!® E-Clamps with the E-Saddle:

- Place the E-Saddle flush on the Copper double standing seam.
- Then place the S-5!® E-clamp flush and centred on the saddle so that the “nose”of the clamp grabs under the seam (see the drawing right).
- **Then tighten the set screw(s) of the S-5!® E clamps with an increased torque of 20 Nm.**
- For the E-clamp, tighten the set screws and retighten them. Many cordless screwdrivers do not always offer a constant tightening force. The tightening force must therefore be checked with a calibrated torque gauge and, if necessary, the set screws must be retightened.

E-Saddle

under

S-5! E- Clamp



Please note additional the installation instructions of the S-5!® E-Clamps and the following:

In the event of non-observance of our installation instructions, the installation or assembly of our products with components of the competition and the use and combination of further components which were not purchased from us, we shall not accept any liability for any resulting defects and damage. The warranty is excluded in this respect.

Depending on the use of the respective clamp, it must be ensured that the forces transmitted from the clamp to the seam can be absorbed by it or by the supporting structure. In particular, the snow and wind loads, the loads from the installations attached to the clamps, as well as the increased stresses in the edge and corner areas of the roof structure must be taken into account. A sufficient number of clamps must be provided. The verifications must be provided by the customer. If necessary, a structural engineer must be consulted.

The material properties of the respective metals of the products and the metal roof, the combination with each other (e.g. due to contact corrosion) as well as the assembly instructions and regulations of all manufacturers involved (also those of the metal roof) must be checked and observed in advance.

The E-clamps can hinder the thermally induced change in length of the panel if the foot of a sliding clip reaches into the clamping area of the clamp. In this case, the clamps should be placed at a distance of 25 mm from the sliding clips.

The suitability of our products for the intended use is checked by the planner and user himself. If technical details are not described separately, this does not release the executing company from checking in each individual case and clarifying a technically correct issue beforehand.

The information provided in our documents, on our homepage and the drawings and photos shown serve to clarify individual details and are merely recommendatory information. RoofTech GmbH, S-5!® - Metal Roof Innovations Ltd. and the other manufacturers of our products do not accept any responsibility for the installation, suitability and applications or any further liability.

Further installation instructions and information can be found on our homepage www.rooftech.de or please request them from us.

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