

ASSEMBLY GUIDE

BEMO-TOP- AND BEMO-AKKORD RAIL

The BEMO-TOP- or BEMO-AKKORD rail is the most economical and safest solution for mounting photovoltaic and solar thermal modules on BEMO standing seam. The rails contribute to permanent safety and to the avoidance of point loads and constraints. In addition, the roof remains completely free of penetration and thus permanently tight and functional. Air-conditioning units or elevated modules can also be mounted and fastened on the TOP and AKKORD rails. For information if the rail must be mounted on each or every second seam, please refer to the structural analysis.

Step 1

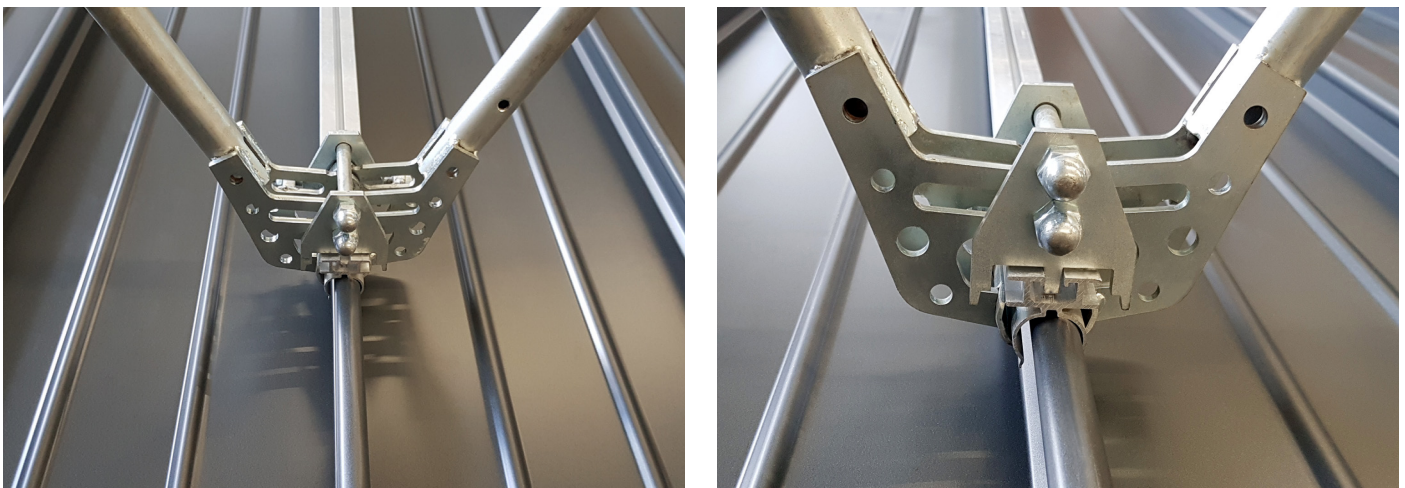
The Top- or Akkord rail is attached to the ready-seamed BEMO-Standing seam.



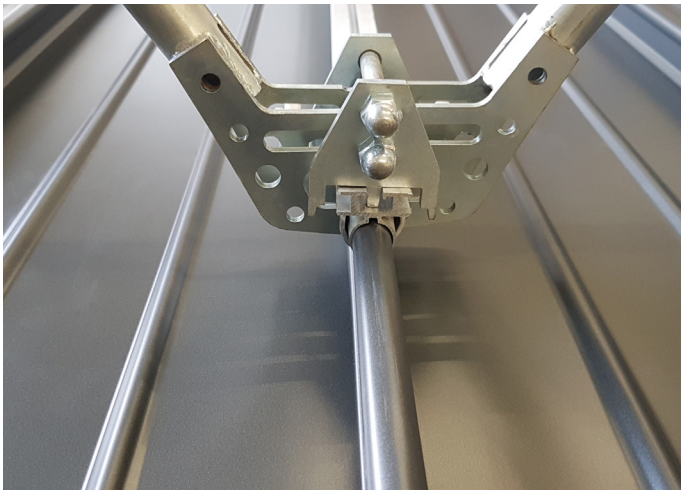
1. Ready-seamed BEMO-Standing seam 2. Attaching Akkord-rails (left) or Top-rails (right)

Step 2

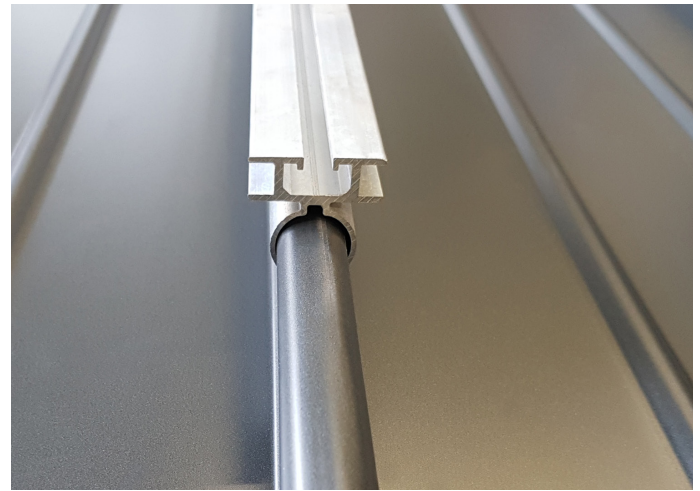
The hand seaming tool is placed on the profile and seamed with the BEMO standing seam profile by pressing the grip pieces apart. This process is done over approximately the first 30 cm of the rails.



1. Setting up the hand folding tool



2. Seaming (pressing) the profiles

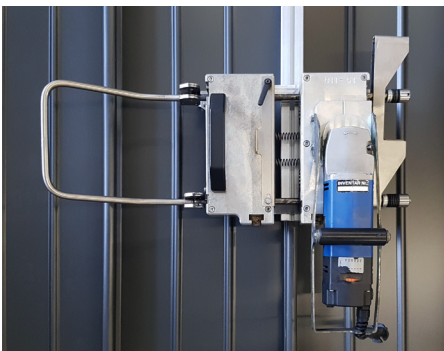


3. Seamed profile

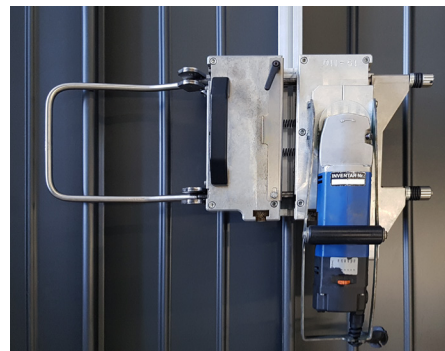
Step 3

The Top-seaming machine is placed on the AKKORD profile with the lever open. Close the lever by pushing it back to the machine. The closing of the lever can be simplified by tapping the on switch. Check that the press rollers are properly positioned on the profile. Switching on the machine starts the folding process. As a rule, the speed should be selected between level 3 and 4 and care should be taken to ensure that the cable feed is unobstructed.

While the machine is running independently, the operator should walk alongside the machine. Should the machine reach the end of the Akkord profile, it should be switched off and removed from the Akkord profile after opening the lever.



1. Attaching of the AKKORD-seaming machine



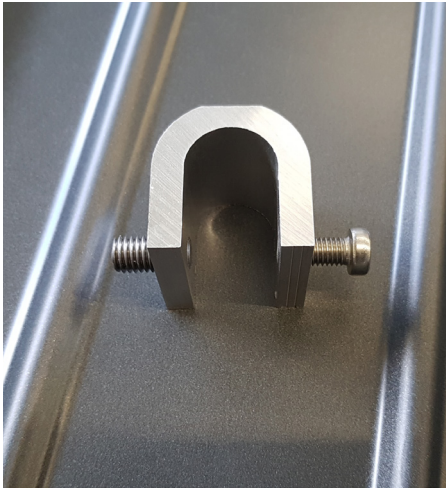
2. Opening of the lever



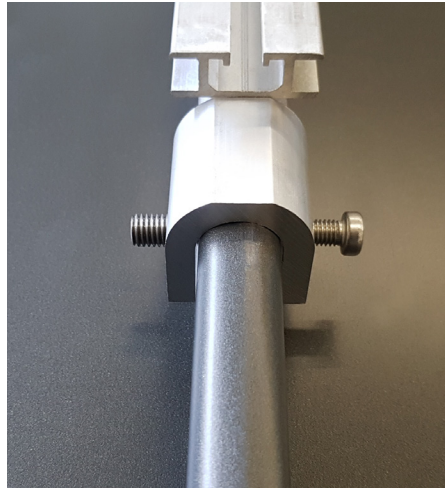
3. Closing of the lever

Step 4

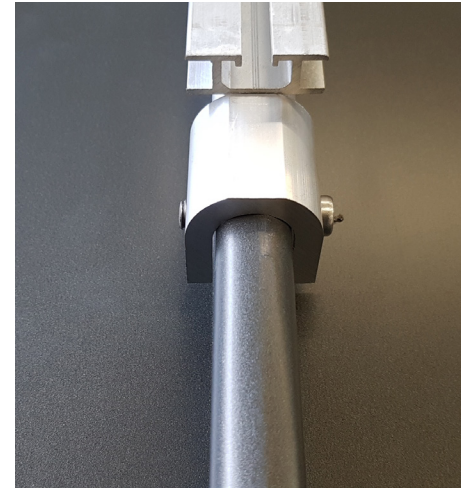
To avoid the sliding down of the rails, a surge locking device U-Clamp has to be installed at the lower part of the rail. The surge locking device is not allowed to be installed at the position of a sliding halter in order to allow for thermal movement of the standing seam profile.



1. Surge locking device (U-clamp)



2. U-clamp is placed on top of the seam and in front of the Akkord rail.



3. Screws of the U-Clamp are tightend