

FACT SHEET

Expansion joints

The challenge

Summer or winter, day or night, sun or shade, sheet-metal building components such as angle plates, inflow sheets, and box and inlay gutters are constantly subjected to thermal expansion and contraction, whatever regional climate conditions prevail in your part of the world. A summer downpour will cause rapid cooling in components, causing changes in length. How much each component expands will depend on the material used. Accommodating material expansion should be a major consideration towards preventing damage to seals and components, and the building itself.

Solution

Expansion or motion joints absorb thermal expansion and compensate for stresses in the metal. The elastic part at the centre of the expansion joint is vulcanised between two metal sheets and absorbs thermal expansion. The side sheets are soldered or welded into the construction sheet in the usual manner depending on the material.

Benefits of Soba expansion joints

- High-quality rubber-metal bond
- Long-lasting safety and experience
- Available for any metal typically used in the industry
- We have the ideal product for any application, whether it is an endless or a head element.
- Rapid availability for shipment from stock



Product versions

Endless elements

Usually used in CrNi-steel inlay gutters not requiring a leakproof connection.



Single and double-head elements

Used where leakproof connections are required. Examples include angle plates and inflow sheets as well as box and inlay gutters



Gutter elements

Installed for mounted gutters (angular, semi-circular, and seamed gutters).



Metals

- Copper
- Stainless steel
- Titanium Zinc and pre-weathered
- Uginox Patina 41 FTE and Top 304
- Mattplus
- Galvanised steel
- Aluminium

Other materials available on request