

# EXPANSION XXL

## Expansion Band Type SD90

- a brand new development from SEMMLER Expansion Elements.

Its highly convex and wider rubber centre-piece is unique. Due to its design expansion band type SD90 is able to compensate construction-conditioned, larger expansions (+/- 25 mm) than expansion bands used so far.

Band type SD90 is a double-sided vulcanised expansion band. Its convex rubber centre-piece makes it versatile in application and it can therefore be used, for instance, in buildings with particularly high expansions or where various constructions are built next to one another but move in different ways.

The expansion band type SD90 can be installed with the prominence facing either upwards or downwards. In either case, however, it is important to assure that the rubber centre-piece has enough space for movement (space for folding) in order to avoid damaging the rubber.

Expansion band type SD90 is available in all metals generally used in roofing e.g. titanium zinc, copper, stainless steel, aluminium, Uginox FTE, etc.

Width of expansion band type SD90: 390 mm  
Standard length: 3,000 mm

Special lengths by request.

Expansion band type SD90 is guaranteed for 5 years.

The guarantee does not cover damage caused by improper application or processing, or from abnormal stresses.



**Semmler**  
EXPANSION ELEMENTS

## Instructions for processing and installing Semmler Expansion Band Type SD90

Due to the convex rubber centre-piece of expansion band type SD90 folding must be done in a special folding machine that has exchangeable bending segments (segment blades). The convex rubber centre-piece can be damaged in a conventional folding machine.

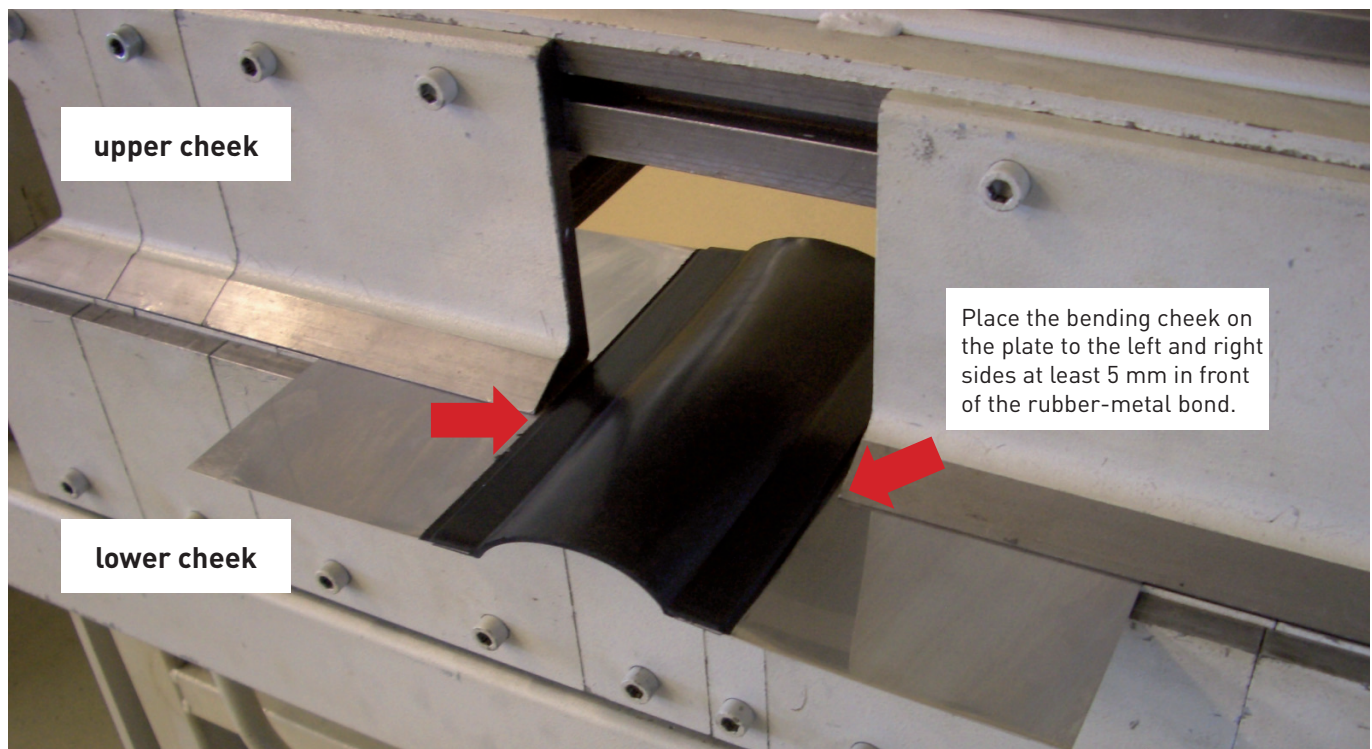
**It is essential that the following procedure is used when folding the Semmler Expansion Band Type SD90:**

### Lower bending cheek of the folding machine

The lower bending cheek of the folding machine must be set 3-4 mm lower according to the thickness of the expansion band's rubber centre-piece to avoid shearing it off.

### Upper bending cheek of the folding machine

At the upper bending cheek of the folding machine the **segment blade** in the area of the rubber centre-piece of the expansion band must be **left open** enough so that the bending cheek meets the metal sheet to the left and right at least 5 mm in front of the rubber-metal bond.



For welding or soldering, the rubber centre-piece and the metal strips **in front of** the rubber-metal bond have to be covered with a wet cloth so that heat is not transferred to the rubber centre-piece.

A minimum clearance of 6 cm to the centre-piece should be maintained.

Contact with a naked flame must be avoided at all costs.