RAILWAY SYSTEMS
by voestalpine

SB TRAM

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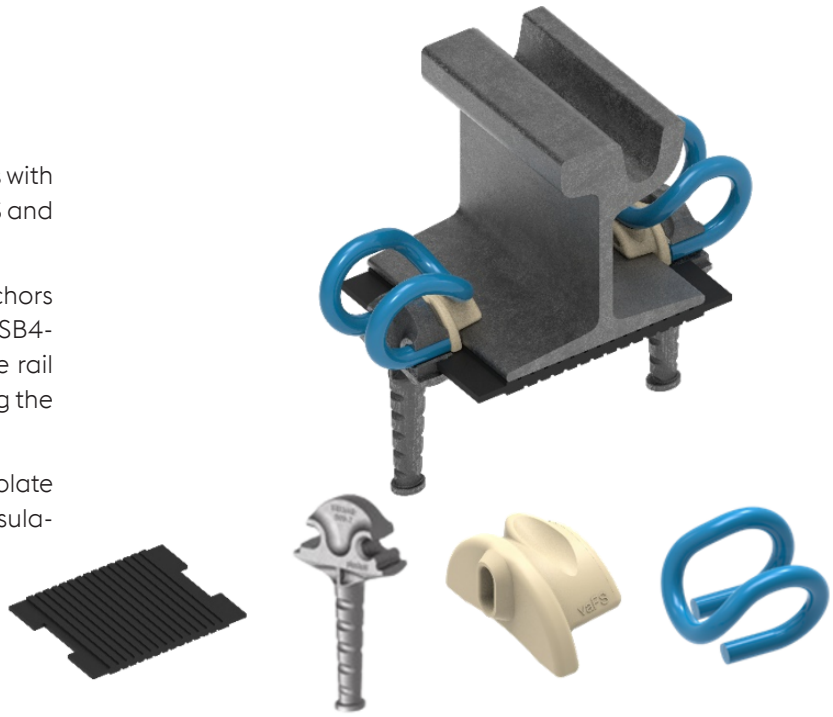
Description

The SB-type rail fastening system for tram lines works with the pre-stressed monoblock sleepers for R1, R2, 180S and 49E1 tram rails.

Rails laid on the surface of the rail pad between anchors (constantly sunk in the sleeper) are mounted with the SB4-type rail clip (or interchangeably with other SB-type rail clip), connected from one side to the anchor, pressing the top of the rail foot on the other side with a spring.

Additionally, the rail pad is placed under the foot to isolate it from the spring clip and anchors with an electro-insulation hold-down part.



Technical aspects of SB Tram system

- typical field of application – Tram Lines
- axle load – max. 130 kN
- speed – ≤ 100 km/h
- high rail longitudinal resistance – min. 9 kN
- electrical resistance ≥ 5 kΩ
- clamping force for SB Tram fastening system – min. 16 kN
- gauge adjustment in the range of ± 4 mm
- material of the rail pad: TPU
- high ability to attenuate impact loads – min. 40 %
- small number of the components, rapid and easy installation
- possibility of using mechanical mounting devices

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