RAILWAY SYSTEMS
by voestalpine

ME1/2

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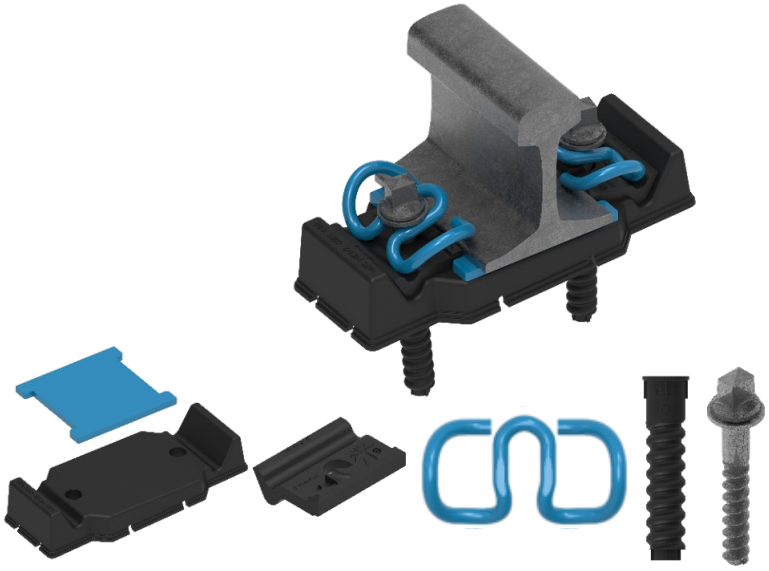
Description

ME1/2 fastening system is used for fixing 60E1/49E1 UIC rails to ensure the required track gauge and rail clamping force, as well as to avoid longitudinal movement of the rail. The system is dedicated for slab track (Metro, Tram) on the maximum allowable axle load of 180 kN , according to EN 13481-5 cat. B fastening system criteria.

The main element of the ME1/2 fastening is a base plate made of special plastic composite integrated with the W14 system through the foamed TPU or EPDM rail pad.

Using different stiffness of rail pad ensures the adjustment of system static stiffness according to the requirements of specific railway tracks.



Technical aspects of ME1/2 system

- typical field of application – Tram, Metro on balastless track
- axle load – max. 180 kN
- clamping force for SKL21 (nominal) – The theoretical minimum clamping force after loading must be ≥ 9kN acc. to DB drawing
- vertical adjustment by using the regulating pad under the base plate
- gauge adjustment in the range of ± 10 mm
- static stiffness according to customer requirements
- ME1/2 offers the possibility of preliminary assembly and is dedicated for slab track produced in top-down technology
- rail pad made of foamed TPU or EPDM
- plastic base plate is designed in such a way to avoid trapping the air in the bottom part of the base plate during concrete pouring