RAILWAY SYSTEMS
by voestalpine

W14HH

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Description

W14HH type fastening system is designed for heavy rail traffic with a maximum acceptable axle load of 350 kN.

Underneath the rail, there is a rail seat pad of high static stiffness.

Due to the mid-loop of the clip that is situated over the rail foot, the rail fastening is characterized by additional flexibility.

This eliminates the possibility of overloading the clip arms and their plastic deformation, as well as prevents rail rotation.

Technical aspects of W14HH system

- typical field of application – Heavy Haul with concrete sleeper on ballasted track
- axle load – max. 350 kN
- speed - max. 160 km/h
- high rail longitudinal resistance – min. 9 kN
- electrical resistance ≥ 5 kΩ
- clamping force for SKL14R (nominal) – 11.5 kN
- gauge adjustment in the range of ± 10 mm
- optionally, the system can be equipped with an antiabrasive pad to prevent excessive wear of fastening elements
- all of the components can be pre-assembled in the sleeper factory