

300

Rail fastening system

Description

300 type rail fastening system is designed for C & D category according to EN 13481-2 standard, with a maximum permissible axle load of $\geq 260\,\mathrm{kN}$ and minimum curve radius of $\geq 150\,\mathrm{meters}$ for conventional rail and $\geq 400\,\mathrm{meters}$ for high-speed trains .

This rail fastening system is provided with a Elastics pad of static stiffness $22.5 \, \text{kN/mm} \pm 15 \, \%$.

Due to the mid-loop of the SKL15 clip, which is mounted over the rail foot, this rail fastening solution 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 300HH system

- » typical field of application Conventional rail & high speed
- » axle load max. 260 kN
- » speed ≤ 250 km/h for CR
- » speed $≥ 250 \,\text{km/h}$ for HS
- » high rail longitudinal
- » electrical resistance ≥ 5 kΩ
- » Static stiffness of elastic pad 22.5 kN/mm \pm 15 %

- » clamping force for SKL15 (nominal) The theoretical minimum clamping force after loading must be ≥ 7 kN acc. to DB drawing
- » Gauge adjustment in the range of \pm 16 mm
- » High adjustment in the range of -4 mm/+76 mm
- » possibility to use anti-thief screws with a triangle head shape
- » all of the components can be pre-assembled