

ShimLift®

SHIMLIFT

Innovative rail fastening for sleepers

Kampa International has developed an innovative rail fastening for sleepers. The ShimLift fastening deals with track alignment problems at transitions in ballast track like bridges, viaducts, insulated rail joints, tunnels and level crossings. The height-adjustable rail fastening also proves to be effective on other parts of the track where local subsidence needs to be corrected.

SHIMLIFT

IMPROVING TRACK QUALITY, REDUCING MAINTENANCE COSTS

Resolving hanging sleepers through elimination of voids. A ballast bed that no longer requires frequent mechanical or manual tamping. Less damage to superstructure components and more passenger comfort. These are the advantages of **ShimLift**, an adjustable rail fastening for many types of sleepers. The height-adjustable plastic wedge that is placed under the rail is the core of a simple and effective solution to sagging transitions from ballast to direct fixation track.

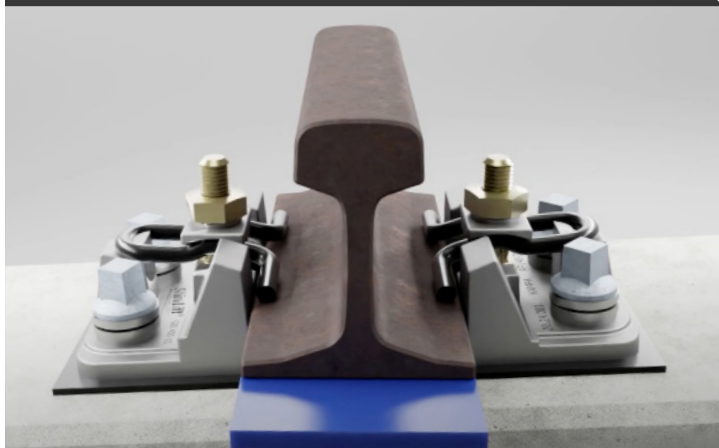
ShimLift has a plastic wedge and a counter wedge that enable height adjustment of the rail. Subsidence in the track at crossings creates voids under the sleepers. This phenomenon is known as hanging sleepers and leads to dynamic forces when trains pass such transitions.



With **ShimLift**, the problem of hanging sleepers can be solved very effectively, far better than using a tamping machine, which causes wear of the ballast bed and whose effect is only temporary. **ShimLift** enables height corrections of up to 30 mm. This proves to be more than sufficient to fight the problem. **ShimLift** has already been successfully applied at many crossings in several countries.



Shimlift R



FEATURES

- **more effective:** improved track alignment, less maintenance;
- **more efficient:** less use of machines, more track availability;
- **more cost-effective:** lower life-cycle costs, longer service life of track and ballast;
- **more sustainable:** less energy consumption and lower CO² emissions;