

# e54AV Fastening System



 赛福扣件系统 | SFFST  
SAFE RAIL FASTENING SYSTEM



ISO 9001 / 14001 / 45001

# SFFST e54AV Fastening System

This fastening system is suitable for UIC 54 rails with ballasted tracks on concrete sleepers, typically used on conventional and high-speed railway tracks. It can also be applied to other I-section rails depending on line operational conditions and track gauge requirements. Standard compliance: EN 13481-2, Category C, D.



## Configuration of components:

Rail Clip: e546AV  
Cast Shoulder: IS546  
Rail Gauge Insulator: UIC54-#  
Rail Pad: 140/150/5.5

## Performance indicators:

Maximum axle load: 26t  
Minimum curve radius: R150m R400m  
Speed:  $\leq 250\text{km/h}$   $> 250\text{km/h}$   
Longitudinal rail resistance:  $\geq 9\text{kN}$   
System Clamping force:  $\geq 20\text{kN}$   
Dual rail gauge expansion:  $\leq 6\text{mm}$   
Longitudinal resistance change rate:  $\leq 20\%$   
Vertical stiffness change rate:  $\leq 25\%$   
Clamping force change rate:  $\leq 20\%$   
Electrical resistance:  $\geq 5\text{k}\Omega$   
Effect of exposure to severe environmental conditions:  
Smooth disassembly  
Proof load test for pull-out resistance:  $\geq 60\text{kN}$   
Gauge adjustment range:  $\pm 8\text{mm}$



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