

SEE SD

Rail fastening system

- Low vertical stiffness option: 35 kN/mm
- Pre-assembled system, to facilitate installation operations
- Light plastic baseplate suitable for mechanical installation
- Large vertical adjustment range: +30 mm

Application data (Standard products – special variants may differ)

Rail inclination	As provided in the baseplate		
Pad type	Please consult Pandrol for appropriate pad types against operating requirements		
Typical applications	Tram, LRT/Metro		
Clip type	Pandrol SD clip		
EN 13481-5 fastening category	Cat A	Cat B	For max axle load/radius please consult Pandrol
Maximum axle load*	130 kN	180 kN	
Minimum curve radius*	40 m	80 m	

* For special applications consult Pandrol.

Typical performance data* As identified by Track Category in EN 13481-1

	Value	Test method	Remarks
Assembly static stiffness	>35 kN/mm	EN 13146-9:2011	Dependent upon pad selection
Assembly dynamic stiffness	>45 kN/mm	EN 13146-9:2011	
Impact load attenuation	≤ 30-50%	EN 13146-3:2012	
Electrical resistance	>15 kΩ	EN 13146-5:2012	
Nominal toe load	1000 kgf		
Lateral adjustment	+/- 5 mm		
Vertical adjustment	0 / +30 mm		
Clamping force	>16-20 kN	EN 13146-7:2012	
Creep resistance	>7 kN	EN 13146-1:2012	

→ COMPLIANCE WITH STANDARDS

SEE SD System complies with European CEN Standard 13481-5.

→ NOTE

Pandrol is a provider of innovative custom rail fastenings. Data in this document indicates typical performance. Actual performance is dependent on a range of external factors. Please contact us to discuss how Pandrol can tailor products to suit local operating conditions and specific requirements. Technical information in this document was correct at time of printing. Improvements may since have been introduced as a result of our continuous research and development programmes.

Learn more



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