

Re System

Rail fastening system

- Suitable for light rail, metro, general main line, high speed and heavy axle loads
- Works with concrete and steel sleepers
- For further applications please consult Pandrol

Application data (Standard products – special variants may differ)

Rail inclination	Provided in the sleeper for all rail inclinations				
Pad type	Please consult Pandrol for appropriate pad types against operating requirements				
Typical applications	Light rail, Metro, General main line, mixed traffic, heavy haul and high speed				
Clip type	Re1600, 1800 and 2000 series				
EN 13481-2 track category	Cat A	Cat B	Cat C	Cat D	Cat E
Maximum axle load*	130 kN	180 kN	260 kN	260 kN	For max axle load/radius please consult Pandrol
Minimum curve radius*	40 m	80 m	150 m	400 m	

* For special applications consult Pandrol.

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

	Re1600 Series	Re1800 Series	Re2000 Series	Test Method	Remarks
Assembly static stiffness	>70 kN/mm	>70 kN/mm	>70 kN/mm	EN 13146-9:2011 Cat A/B/C/D/E	Dependent upon pad selection
Assembly dynamic stiffness	>80 kN/mm	>80 kN/mm	>80 kN/mm	EN 13146-9:2011 Cat A/B/C/D/E	
Impact load attenuation	>15%	>15%	>15%	EN 13146-3:2012	
Electrical insulation	>5 kΩ	>5 kΩ	>5 kΩ	EN 13146-5:2012	
Nominal toe load	900 kgf	1000 kgf	1250 kgf	Clip driving fixture	
Clamping force	>14 kN	>16 kN	>20 kN	EN 13146-7:2012	
Creep resistance	>7 kN	>9 kN	>9 kN	EN 13146-1:2012	

→ COMPLIANCE WITH STANDARDS

Pandrol fastenings are tested against standards published by the European committee for standardisation (CEN).

→ 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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