

# Fastclip FE RR

## Rail fastening system

- Designed for extreme heavy haul
- Threadless, self tensioned fastening
- Pre-assembly and captive on sleeper

### Application data (Standard products – special variants may differ)

Rail inclination	As provided in the sleeper
Pad type	Please consult Pandrol for appropriate pad types against operating requirements
Typical applications	Heavy Haul, Extreme Heavy Haul
Clip type	Pandrol Fastclip FE 1600
EN 13481-2 and -4 track category	>Cat E
Maximum axle load*	40 kN
Minimum curve radius*	150 m

\* For special applications consult Pandrol.

### Typical performance data\* As identified by Track Category in EN13481-1

	> Cat E	Test method	Remarks
Assembly static stiffness	>300 kN/mm	EN 13146-9:2011	Dependent upon pad selection
Assembly dynamic stiffness	>400 kN/mm	EN 13146-9:2011	
Impact load attenuation	>15%	EN 13146-3:2012	
Electrical insulation	>5 kΩ	EN 13146-5:2012	
Nominal toe load	1250 kgf	In clip driving fixture	
Clamping force	>20 kN	EN 13146-7:2012	
Creep resistance	>9 kN	EN 13146-1:2012	

### → COMPLIANCE WITH STANDARDS

Pandrol Fastclip FE RR series fastenings are generally compliant with the requirements of EN13481-2:2012 and with AREMA Chapter 30 part 4.

### → 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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