

Fastclip FCA

Rail fastening system

- For use on non-ballasted tracks (slab tracks)
- Suitable for top-down and bottom-up construction
- Optimised for use with pre-cast blocks, sleepers and slabs

Application data (Standard products – special variants may differ)

Rail inclination	Provided in the concrete as required			
Typical applications	High speed, Metro, LRT, Mixed traffic			
Clip type	Pandrol Fastclip FC1504			
EN 13481-5 track category	Cat A	Cat B	Cat C	Cat D
Maximum axle load*	130 kN	180 kN	260 kN	260 kN
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

	Value	Test method
Assembly static stiffness	≈40 kN/mm minimum	EN 13146-9:2011
Assembly dynamic stiffness	≈60 kN/mm minimum	EN 13146-9:2011
Electrical insulation	>10 kΩ	
Nominal toe load	1000 kgf	
Clamping force	>16 kN	EN 13146-7:2012
Creep resistance	>9 kN	EN 13146-1:2012
Lateral adjustment	+/- 5 mm	
Vertical adjustment	+ 20 mm	

→ COMPLIANCE WITH STANDARDS

Pandrol Fastclip FCA has been tested against the requirements of EN 13481-5:2012 'Fastening systems for slab tracks.' The system will meet the requirements of the European High Speed TSI (Technical Standards for Interoperability).

→ 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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2019