

SEE SD

Rail fastenings

A Pandrol SD captive clip rail fastening assembly on a lightweight polymer composite baseplate, for non-ballasted track applications where the baseplate can be embedded into the concrete base.

Key classifications

Non-ballasted / Threaded / Polymer Baseplate

Typical interface type

Pre-cast concrete slab panels	✓
Direct pour concrete	✓

Specific requirements?

Pandrol can provide products with performance characteristics to suit customer specifications. Please contact us to discuss your requirements.

Typical application parameters

Typical track type	Light rail / Tram	Urban / Metro
EN 13481 fastening category	A	B
Maximum axle load (kN)	130	180
Minimum curve radius (m)	40	80

Typical assembly performance data

Static stiffness (kN/mm)*	>45	>45
Dynamic stiffness (kN/mm)*	>55	>55
Clamping force (kN)*	>16	>16
Longitudinal restraint (kN)*	>7	>7
Electrical resistance (kΩ)*	>10	>10
Lateral adjustment per rail (mm)	+/-5	+/-5
Lateral adjustment per rail (mm)	+30	+30

→ NOTES

The data given in this document indicates typical performance of the product at the time of publication, but exact performance depends on specific configuration and may change over time as a result of continuous product development.

* Based on EN 13146 test methods. For specific test or standards requirements please consult Pandrol.

Learn more



Contact

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