

SD

Rail fastenings

A resilient, threaded and captive rail fastening to suit most ballast track applications, either on new sleepers or to retrofit existing threaded fastening sleepers.

Key classifications

Ballasted /

Threaded /

Automated direct fixing

Typical interface type

Pre-cast concrete sleepers



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	Conventional main line	Main line / High speed
EN 13481 fastening category	A	B	C	D
Maximum axle load (kN)	130	180	260	260
Minimum curve radius (m)	40	80	150	400

Typical assembly performance data

Static stiffness (kN/mm)*	>35	>80	>90	>90
Dynamic stiffness (kN/mm)*	>40	>100	>110	>110
Clamping force (kN)*	>16	>16	>16	>16
Longitudinal restraint (kN)*	>9	>9	>9	>9
Electrical resistance (kΩ)*	>5	>5	>5	>5
Lateral adjustment per rail (mm)	+/-8	+/-8	+/-8	+/-8

→ 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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