

# SKL

Rail fastenings

A classic direct fastening assembly for ballast track applications that can be supplied captive on the sleepers.

**Key classifications**
**Ballasted**
**Threaded**
**Screw tensioned clamp**
**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	Mixed traffic/ Heavy freight
EN 13481 fastening category	A	B	C	D	E
Maximum axle load (kN)	130	180	260	260	350
Minimum curve radius (m)	40	80	150	400	150

**Typical assembly performance data**

Static stiffness (kN/mm)*	>50	>50	>50	>50	>50
Dynamic stiffness (kN/mm)*	>55	>55	>55	>55	>55
Clamping force (kN)*	>17	>17	>17	>17	>17
Longitudinal restraint (kN)*	>9	>9	>9	>9	>9
Electrical resistance (kΩ)*	>5	>5	>5	>5	>5
Lateral adjustment per rail (mm)	+/-5	+/-5	+/-5	+/-5	+/-5

## → 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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