TECHNICAL SPECIFICATION

PANDROL
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# Bonded DFF

## Rail fastenings

Pandrol's answer to resilient bonded baseplates, with the option of different Pandrol clip types, for non-ballasted track applications where exceptionally high levels of vibration mitigation is required.

**Key classifications** | **Non-ballasted** / **Threaded or non-threaded** / **Vulcanised rubber baseplate**

| Typical interface type | |
|---|---|
| Pre-cast concrete slab panels | ✓ |
| Pre-cast concrete sleepers | ✓ |
| Direct pour concrete | ✓ |
| Steel structures | ✓ |

### 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)* | >7 | >7 | >26 | >26 |
| Dynamic stiffness (kN/mm)* | >8.5 | >8.5 | >28 | >28 |
| Clamping force (kN)* | >16 | >16 | >16 | >16 |
| Longitudinal restraint (kN)* | >9 | >9 | >9 | >9 |
| Electrical resistance (kΩ)* | >40 | >40 | >40 | >40 |
| Lateral adjustment per rail (mm) | +/-12 | +/-12 | +/-12 | +/-12 |
| Vertical adjustment range (mm) | 30 | 30 | 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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