



## Product

**Twiflex Layrub Coupling Type 100 5/10**

## Application

**Queensland Railway Trains**

## Highlights

- Twiflex Layrub Coupling Type 100 5/10 covers torque ratings up to 64 kNm
- Effective control of torsional vibration with low stiffness
- Unique design includes good damping characteristics
- Able to fit large misalignments

In Australia, a special design of coupling was required to meet the demands of the system characteristics for the Inter City ICE Queensland Railways trains.

The trains needed to cope with angular, axial and radial mis-alignment while meeting stiffness and damping specification. The Twiflex Layrub coupling was selected for its unique design and effective control of torsional vibration.

Able to fit large misalignments, the Layrub coupling type 100 5/10 covers torque ratings up to 64 kNm and is suitable for high speed operation. The large volume of the rubber blocks in the coupling gives it a relatively low torsional stiffness and good damping characteristics, making it the perfect selection for this application.

The introduction of these new inter City trains successfully reduced the traveling time between Brisbane and Rockhampton by five hours. They incorporate a sober yet lightweight interior with radially self-steered bogies providing a smooth and comfortable ride.

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