



## TF25 Bogie Family

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Axiom Rail is a designer and supplier of innovative rail freight bogie and suspension systems, approved for use in the UK, Central Europe and the Nordic countries.

Axiom Rail also offers a comprehensive spares support network and bogie overhaul facility in both the UK and the Czech Republic to provide an unparalleled service for the after sales support of its vast OEM product range.

- Approved in accordance with EN14363 (UIC518/UIC518-2)
- Reduces noise pollution
- Easy to maintain
- Track friendly technology
- Speeds up to 120km/h
- Up to 25 tonnes per axle load
- Multiple brake options

The TF25 family of bogies are innovative hydraulically damped bogies designed for axle loads up to 25.4 tonnes and can operate at a maximum speed of 120km/h.

First introduced into the UK market circa 1999 the suspension consists of soft primary coil suspension with hydraulic damping and a true secondary rubber suspension that is also hydraulically damped.

Following the large success in the GB market the bogie has undergone a successful program of testing in Germany and France in accordance with EN14363 (UIC518/UIC518-2) with speeds up to 120km/h and axle loads up to 25t. This will enable wagon designers to specify the TF25 in combination with a wide range of wagon types without the need for further dynamic testing.

The TF25 will have Interoperability Constituent status (in accordance with the TSI).

#### The TF25 family has the following advantages:

- Tested to EN14363 (UIC518/518-2)
- Track Friendly - low track wear and deterioration due to improved curving and low vertical forces
- Low maintenance - reduced wear on track leads to lower wear and maintenance on the bogie
- Simple maintenance - lack of wearing surfaces and easy to replace components lead to quicker maintenance turn-around
- Freight friendly - low vertical and lateral accelerations
- Low noise - GB version benefits from lower noise wheel design and composite block leading to a 10dB reduction against UIC products
- Further noise benefits through reduced wheel squeal due to improved passive steering and reduced ground borne vibration due to low unsprung mass and hydraulic damping
- Operational speeds up to 120km/h
- Modular brake system accommodating integral (push and clasp), disc and wagon mounted brakes