



## Product

## Twiflex Layrub 120 Coupling Type 2/4

## Application

## Electric Locomotives

## Highlights

- Twiflex Layrub 120 Coupling Type 2/4 ensures low torsional stiffness
- Continuous torque 21 kNm
- Shock Torque 54 kNm
- Maximum coupling speed 500 rpm

Transporting coal from the vast reserves of Queensland, Australia's Blackwater Valley to the port of Gladstone calls for a massive investment in rail haulage.

Requiring a maximum power of 2900 kW and speeds of 100 kmh, the electric locomotives used on the railways are built with the Twiflex Layrub 120 Coupling type 2/4 installed to ensure low torsional stiffness and high-quality damping characteristics.

The Queensland railways have a continuous torque of 21 kNm and shock torque of 54 kNm with the maximum coupling speed topping out at 500 rpm.

These 7000 tonne trains can pull as many as 100 wagons fully loaded with coal. A total of four locomotives are used; two at the head and two in the mid-train position. Control is by radio from the leading locomotive, and the trains are designed by ASEA Traction in Sweden.

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