

## RAILWAY SLEEPERS

Concrete railway sleepers made in different sizes to accommodate weights of up to 10 tons.

### DESIGN FEATURES

- Sleepers are crafted using 60MPa concrete and reinforced with high-tensile prestress wires, delivering exceptional performance even under challenging rail track conditions.
- The 1:20 built-in ensures optimal rail-to-wheel contact for superior functionality.
- Equipped with an elastic rail fastening system, providing dependable clamping force for secure rail alignment.
- Integrated cast-in shoulders guarantee precise and consistent track gauge maintenance.
- The high mass of the sleeper enhances track stability for improved durability.
- Designed for reusability, offering a long lifespan and cost-effectiveness.
- Gauge widening capability minimizes wear on both wheels and rails, extending their service life.
- Manufactured under an ISO 9001:2000-certified Quality Management System to ensure reliability and excellence.



### APPLICATIONS

- **10 T Rainbow Mining Support Sleeper:**
  - Suitable for axle loads greater than 5 tonnes and up to 10 tonnes.
  - Handles over 500,000 tonnes per annum, including rolling stock.
  - Mineclip clamping force: Maximum of 800 kg per clip.
  - Typical haulage lifespan: Greater than 5 years.
- **5 T Rainbow Mining Support Sleeper:**
  - Designed for axle loads below 5 tonnes.
  - Accommodates less than 500,000 tonnes per annum, including rolling stock.
  - Mineclip clamping force: Maximum of 400 kg per clip.
  - Haulage lifespan: Less than 5 years.

### PACKAGING

Stack quantities vary based on the weight and size of the sleepers:

- 5-ton sleepers: Approximately 40 sleepers per pallet.
- 10-ton sleepers: Approximately 20–25 sleepers per pallet.

### CUSTOMER SERVICE

For additional support options available at your area, contact our local offices.

[www.rainbowms.co.za](http://www.rainbowms.co.za)

010 448 4746

### QUALITY ASSURANCE

Rainbow Mining Support (Pty) Ltd production and testing programs comply with all local (ISO 9001:2015) and international testing standards.