

TECHNICAL DATA SHEET



PRODUCT NAME

Coach Screws & Dog Spikes

COMPONENTS

Fastening

CATEGORY

Underground & Surface

COMPANY NAME

Zak Mining Support

PRODUCT OVERVIEW

Coach screws and dog spikes are essential fastening components used in rail track systems to secure rails to sleepers. These components ensure stability, alignment, and load transfer within underground mining rail infrastructure. ZAK Mining Support manufactures high-quality galvanised fastening solutions designed for durability in harsh mining environments.

KEY FEATURES

- High tensile strength for secure fastening
- Galvanised coating for corrosion resistance
- Designed for underground wet and abrasive conditions
- Reliable grip in timber and concrete sleepers
- Manufactured for consistent quality and performance

APPLICATION

- Underground mining rail systems (gold, platinum, chrome)
- Securing rails to timber sleepers
- Haulages, crosscuts, and shaft bottom installations
- Track maintenance and replacement operations
- Surface rail yards and workshops



Product Variants

Coach Screws:

- M16 x 100 galvanised coach screws
- Type A galvanised coach screws
- Type B galvanised coach screws

Dog Spikes:

- 105 x 12mm dog spikes
- 86 x 10mm dog spikes



TECHINCAL DATA SPECIFICATION

Performance

Coach Screws	M16 x 100 galvanised; Type A; Type B
Dog Spikes	105 x 12mm; 86 x 10mm
Material	High-grade carbon steel
Surface Finish	Coach Screws: Galvanised, Dog Spikes: Mild Steel Finish
Application	Rail-to-sleeper fastening
Compliance	Manufactured to mine specifications

Benefits to Mining Operations

- Ensures rail stability and alignment
- Reduces risk of track movement and derailment
- Minimises maintenance and replacement frequency
- Improves overall safety of rail systems
- Supports efficient and continuous haulage operations

Installation & Maintenance

Coach screws and dog spikes should be installed using appropriate tools and torque specifications. Regular inspection is recommended to ensure fastening integrity, especially in high-vibration areas. Replace worn or corroded fasteners as part of routine maintenance schedules.