

TECHNICAL DATA SHEET



PRODUCT NAME

Rail Turnouts

TRACEABILITY

As per ISO9001 Standard

CATEGORY

Underground Rail Switches

COMPANY NAME

Zak Mining Support

PRODUCT OVERVIEW

Rail turnouts (switches/points) allow locomotives to move between tracks. They are essential in underground mining for routing, flexibility, and operational efficiency. Manufactured in accordance with SANS 10339:2009

KEY FEATURES

- High strength
- Precision alignment
- Durable underground performance
- Corrosion resistance
- Custom-built

APPLICATION

- Underground mines (gold, platinum, chrome)
- Haulages, crosscuts, declines
- Shaft bottoms and rail yards
- Ore transport routes



COMPONENTS

- Switch rails
- Stock rails
- Frog (crossing)
- Check rails
- Tie bars
- Mechanism
- Fasteners



Installation & Maintenance

Install on aligned sleepers. Regular inspection required for alignment, wear, and bolt tightness.

TECHINICAL DATA SPECIFICATION

Performance

Rail Profiles	15kg, 22kg, 30kg
Gauge	600mm – 914mm
Material	High-grade carbon steel
Configuration	LH / RH
Switch Type	Manual / Spring / Mechanised
Finish	Red / Painted / Galvanized
Compliance	Mine specification compliant

Benefits to Mining Operations

- Efficient routing
- Reduced congestion
- Improved safety
- Increased flexibility
- Reliable operation