

TECHNICAL DATA SHEET



PRODUCT NAME

Rail Tongs

Rail Compatibility

(15kg, 22kg, 30kg, 40kg)

CATEGORY

Underground Rails

COMPANY NAME

Zak Mining Support

PRODUCT OVERVIEW

Rail tongs are specialized lifting tools designed for the safe handling, lifting, and positioning of rail sections in underground mining and railway applications. ZAK Mining Support rail tongs are engineered to improve operational efficiency, reduce manual handling risks, and ensure safe installation and maintenance of rail infrastructure in harsh mining environments.

KEY FEATURES

- Heavy-duty construction for underground conditions
- Ergonomic design for easy handling
- Secure gripping mechanism for safe lifting
- Compatible with multiple rail profiles
- Corrosion-resistant coating for extended lifespan
- Designed for high-frequency use in mining operations

Maintenance

- Clean regularly after use
- Lubricate moving parts
- Inspect for cracks, deformation, or wear
- Replace damaged components immediately



Application

- Underground mining rail installations (gold, platinum, chrome)
- Rail replacement and maintenance operations
- Handling rails in stockyards and workshops
- Shaft bottom and haulage rail management
- Track construction and expansion projects

Installation

Rail tongs should be positioned securely on the rail head to ensure proper grip before lifting. Operators must maintain balance and control during lifting and positioning to avoid accidents or misalignment.



TECHINCAL DATA SPECIFICATION

Performance

Material	High-strength mild steel
Load Capacity	500 kg – 1,000 kg (depending on design)
Rail Compatibility	15kg, 22kg, 30kg, 40kg rails
Jaw Opening	50 mm – 120 mm
Overall Length	± 1,200 mm
Weight	± 10 kg
Finish	Red oxide paint / optional coating

Benefits to Mining Operations

- Improves safety by reducing manual lifting risks
- Enhances efficiency during rail installation and maintenance
- Minimizes downtime during track repairs
- Enables controlled and precise rail positioning
- Reduces labour requirements and operational strain

Safety Instructions

- Inspect rail tongs for wear or damage before use
- Do not exceed rated load capacity
- Ensure proper engagement before lifting
- Use only by trained personnel
- Always follow mine safety protocols
- Store in dry conditions to prevent corrosion