

TECHNICAL DATA SHEET



PRODUCT NAME

Skid Sprag

COMPONENT

Rail Wagon Safety Block

CATEGORY

Underground Rails

COMPANY NAME

Zak Mining Support

PRODUCT OVERVIEW

A skid sprag is a portable safety device used in underground mining rail systems to prevent unintended movement of rail wagons (bogies). It functions as a physical stopping mechanism by creating resistance against the wheel, ensuring controlled and safe operations in mining environments. ZAK Mining Support skid sprags are designed for durability, reliability, and ease of use in harsh underground conditions.

KEY FEATURES

- Robust for heavy-duty use
- Portable and easy to deploy
- Designed for high grip and resistance
- Suitable for inclined and flat track conditions
- Long service life in abrasive environments

APPLICATION

- Underground mining operations (gold, platinum, chrome)
- Securing rail wagons during loading and unloading
- Maintenance and track repair work
- Temporary safety control on gradients
- Shaft bottoms and haulage systems
- Emergency fail-safe applications



Operation

The skid sprag is placed directly in front of or behind the wheel of a rail wagon. When movement occurs, the wheel engages with the sprag, and the wedge design creates resistance, preventing the wheel from rolling.

Packaging & Delivery

- Supplied individually
- Bulk supply available on request



TECHINCAL DATA SPECIFICATION

Performance

Material	Cast Iron
Design	Wedge / Skid type
Application	Rail wagon wheel blocking
Compatibility	All standard underground bogie wheels
Finish	Painted / Powder-coated
Compliance	Manufactured to mine safety standards

Benefits to Mining Operations

- Prevents unintended wagon movement
- Enhances safety during operations and maintenance
- Acts as a fail-safe against brake or coupling failure
- Reduces risk of accidents and equipment damage
- Quick deployment improves operational efficiency

Safety Instructions

- Ensure correct placement before use
- Use only on stable rail surfaces
- Inspect for wear or damage before deployment
- Do not use damaged or deformed sprags
- Follow all mine safety procedures

Maintenance

- Inspect regularly for wear or deformation
- Clean after use to remove debris
- Recoat if the protective layer is damaged
- Replace when worn beyond safe limits