

TECHNICAL DATA SHEET



PRODUCT NAME

Underground Mining Rails

SIZES

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

CATEGORY

Underground Rails

COMPANY NAME

Zak Mining Support

PRODUCT OVERVIEW

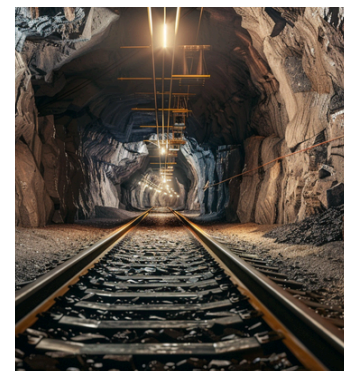
ZAK Mining Support supplies high-quality narrow gauge rails designed for underground mining applications. These rails are engineered to withstand harsh conditions, heavy axle loads, and continuous haulage operations. Available in multiple profiles including 15kg, 22kg, 30kg, and 40kg, these rails support efficient material transport in underground environments.

KEY FEATURES

- High load-bearing capacity
- Wear-resistant rail head for extended lifespan
- Designed for underground wet and abrasive environments
- Precision rolled profiles for consistent performance
- Compatible with standard fishplates, sleepers, and fasteners

APPLICATION

- Underground such as gold and platinum mines
- Haulages, declines, and shaft bottoms
- Ore and material transport systems
- Rail yard infrastructure underground
- Locomotive haulage systems

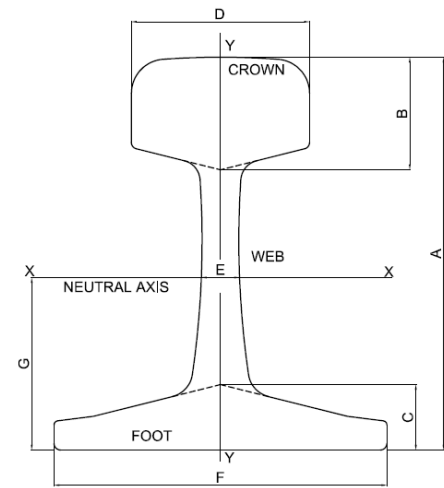


Installation & Maintenance

Rails should be installed on properly aligned sleepers with correct fastening systems. Routine inspections should be conducted to monitor wear, alignment, and fastening integrity. Regular maintenance ensures optimal performance and safety.

Rail Profile Dimensions

Refer to the rail profile diagram to the right for dimensional specifications:



Dimension mm	Sizes kg/m			
	15	22	30	40
A	76.2	95.25	110	127
B	25.4	31.35	31	40.48
C	13.10	15.48	19.5	19.45
D	41.28	50	57	63.50
E	7.54	10	11.5	14
F	76.2	95.25	110	127
G	-	-	-	-

TECHINCAL DATA SPECIFICATION

Performance

Rail Sizes	15kg, 22kg, 30kg, 40kg
Material	High-strength carbon steel Grade 700 and Grade 900
Standard Lengths	Custom (typically 4.5m – 12m)
Gauge Compatibility	600mm – 914mm
Compliance	Manufactured to mine specifications SANS 10339:2009

Benefits to Mining Operations

- Reliable haulage performance
- Reduced maintenance and downtime
- Improved safety and rail stability
- Supports heavy-duty locomotive operations
- Long service life in harsh conditions

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