

# Underground Rock Bolting Jumbo

This specialized mining machinery is designed for underground tunneling and roof bolting. The robust machine features a multi-directional bolting head on an articulated arm for precise placement of rock bolts to stabilize tunnel roofs and walls.



## Overview

### High-Performance Underground Bolting

The DS3 Underground Rock Bolting Jumbo is a robust, specialized machine engineered for efficiency in tunnel stabilization and roof support applications. Featuring dual rock drills and a highly maneuverable articulated carrier, it delivers precise bolt placement in confined underground environments. With a powerful 64kW diesel engine and versatile electric system, this unit is designed to maximize productivity while maintaining safety and reliability in demanding mining conditions.

## Drilling Performance

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**64 mm**

Max Hole Diameter

**2 m/min**

Max Drill Speed

**2250 mm**

Max Hole Depth

### Technical Drilling Specs

Feature	Specification
Hole Diameter Range	!36 - !64mm
Feeder Length Options	2600 / 2900 / 3200 mm
Drill Rod Length Options	1830 / 2175 / 2475 mm
Bolt Length Options	1500 / 1800 / 2000 mm

## Carrier & Mobility

### Carrier Dimensions

- Overall Dimensions (L x W x H): 10310 x 2050 x 2110/2810 mm
- Total Weight: 11300 kg
- Ground Clearance: 280 mm
- Tyre Size: 9.00R20

### Mobility Performance

**12 km/h**

Tramming Speed

**40 °**

Steering Angle

**6.74 m**

Min. Turning Radius (Outer)

## Power & Systems

### Power Systems

System	Rating/Value
Diesel Engine Power	64 kW @ 2400 rpm
Main Electric Motors	37 kW
Total Installed Power	59.5 kW
Voltage	380-1140 V

## Operational Features

### Boom Capabilities

- Feed Roll-over:  $\pm 180^\circ$
- Telescopic Travel: 1190 mm
- Max Lifting Angle: Down  $95^\circ$  / Up  $3^\circ$

### Safety & Auxiliary Systems

Multi-disc Wet Brakes, Articulated Steering, Rear Axle Swing ( $\pm 7^\circ$ ), Dust Suppression Ready