

Three-Boom Hydraulic Rock Drill Jumbo

The hydraulic rock drill is designed for tunneling construction, offering deflection resistance, high drilling speed, and low drilling tool exhaustion. Its lightweight alloy beam provides high strength and long service life, while the all-terrain chassis ensures stability.



Overview

High-Performance Three-Boom Hydraulic Jumbo

The TZ3 is a self-propelled, three-boom hydraulic rock drill jumbo engineered for demanding underground mining and tunneling operations. It features high-strength alloy beams and a robust hydraulic drilling system that includes automatic rod jamming prevention and idle drilling protection to optimize productivity. With its all-terrain 4x4 adaptive drive system and precise drill arm positioning, this machine ensures efficient performance even in complex rock formations.

Operational Metrics

Key Operational Metrics

180 m²

Max Operation Coverage

5140 mm

Borehole Depth

20 kN

Max Pushing Force

Drilling Performance

Parameter	Value
Max Operation Height	13075 mm
Max Operation Width	15725 mm
Borehole Diameter	45/70 mm
Impact Frequency	60/70 Hz

Engine & Drive

Engine and Drivetrain

- Engine: Deutz TCD2013 L06 2V
- Power Output: 200 kW @ 2300 r/min
- Emission Standard: Non-road, Euro III
- Drive System: 4x4 All-terrain
- Max Gradeability: 25%

Maximum Drive Speed

17.5 km/h

Electrical System

Power Requirements

200 kW

Physical Dimensions

Vehicle Mass	45800 kg
Overall Dimensions (L*W*H)	16000 x 2950 x 3400 mm