

# Spindle Geological Drilling Machine

This geological drilling machine is used for drilling in railroad, highway, tunnel, and power station foundation projects, as well as civil and industrial buildings. It features a spindle type design, mechanical transmission, hydraulic feeding, and a steel skid frame.



## ADDITIONAL IMAGES



## Overview

### Professional Geological Drilling Solution

This Spindle Geological Drilling Machine is a versatile and robust instrument engineered for precise geological surveying and mineral exploration. It features a dual-power configuration, offering both diesel and electric motor options to ensure operational flexibility in various field and laboratory environments. With adjustable drilling angles and multiple speed settings, this machine provides the accuracy and efficiency required for demanding construction and research projects.

## Performance Metrics

### Key Performance Indicators

**1000 Nm**

Max Torque

**27 KN**

Max Pull Force

**450 mm**

Spindle Stroke

**14.7 KN**

Max Hoisting Force

## Technical Capabilities

### Drilling Parameters

Parameter	Available Options/Range
Hole Diameters	150, 130, 110, 91, 75 mm
Drilling Capacity	30, 50, 70, 100, 150 m
Angle Range	0-90°
Spindle Speeds	90, 191, 360, 600 r/min
Hydraulic System	CB32 gear oil pump

## Power & Mechanics

### Power Options

- Diesel Engine: S1100A, 2200r/min, 11KW
- Electric Motor: Y160M-4, 1460r/min, 11KW

## Physical Attributes

Weight (Excl. Power)	500 kg
Overall Dimensions (L×W×H)	1560x620x1205 mm