

Mobile Drilling Rig

This drilling rig utilizes an AC-SCR-DC digital electric control system. The drawworks, rotary table, and mud pump enable smooth speed changes for good operation, smooth and steady starts, high efficiency, and automatic load distribution.



Overview

Professional Drilling Capability

The RT70/4500D mobile drilling rig is a high-performance system engineered for deep-well drilling operations. With a nominal drilling depth capacity of up to 7,000 meters and a substantial 4500kN hook load, it provides the power and reliability required for demanding extraction projects. The unit features an advanced hydraulic and eddy braking system, along with a flexible K-type mast configuration to ensure operational efficiency and safety on-site.

Drilling Performance

Max Drilling Depth

6000 m

Depth (5in DP)

7000 m

Depth (4.5in DP)

Maximum Hook Load

4500 Kn

Hoisting System

Hoisting Specifications

Parameter	Value
Max Pull (Fastline)	485 Kn
Max Drawworks Power	1470 kw
Drum Size	770 x 1285 mm
Hook Speed	0-1.58 m/s

Rotary System

Rotary Table Stats

- Opening: 952.5mm
- Rated Input Power: 400Kw
- Max Static Load: 5850Kn
- Max Torque: 32362N.m
- Speed Range: 0-225 RPM

Structural Specifications

Mast Configuration	K-type Mast, 45m Height
Drill Floor Dimensions	13.5m x 12m

Safety & Control

Braking Mechanisms

Hydraulic Disc Brake • Eddy Brake