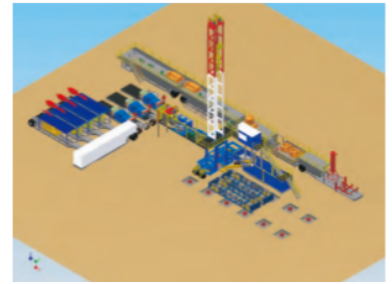
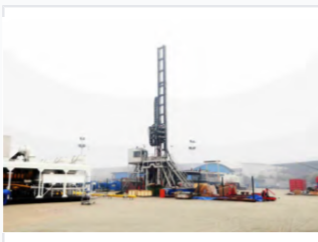


Mobile Single Series Drilling Rig

These mobile drilling rigs are designed for operations such as coal-bed and shale gas extraction, workover operations, and inclined or slim-hole drilling. They feature a compact design, rapid installation, and a wide scope of application.



ADDITIONAL IMAGES



Overview

Mobile Single Series Drilling Rig

The Mobile Single Series Drilling Rig is engineered for versatile and efficient operation across coal-bed gas, shale gas, and workover tasks. Designed for high automation and mobility, it features a compact footprint that minimizes setup time and transport costs while maximizing drilling performance. These rigs offer advanced hydraulic control systems and robust derrick configurations to meet the demanding requirements of modern petroleum prospecting engineering.

Key Features

Performance Advantages

High Automation, Fast Installation, Compact Dimensions, Reduced Transport Modules, Broad Application Scope

Hydraulic System Specs

Technical Parameters of Hydraulic Single Drilling Rig

Description		Main Technical Parameters
Max. Hook Load	kN lbs	900-1,700 202,330-382,180
Effective Height of Derrick	m ft	23.3 76.4
Height of Floor	m ft	0-6 0-20
Application Scope of String for Iron Roughneck and Hydraulic Slip	mm in	φ 88.9-φ 270 φ 3.5-φ 10.63
Max. Torque of Iron Roughneck	N.m ft.lb	100,000 73,822
Max. Lifting Speed	m/s ft/min	0.73 2,395
Journey of Lifting System (Top Drive)	m ft	16 52.5
Max. Torque of Hydraulic Top Drive	N.m ft.lb	35,000 25,838
Rotate Speed of Hydraulic Top Drive	r/min	0-180

Detailed technical overview of the hydraulic single drilling rig configuration.

Maximum Hook Load

1700 kN

Max Hook Load

Top Drive Parameters

Parameter	Value
Max Torque	35,000 N.m
Rotate Speed	0-180 r/min
Lifting Speed	0.73 m/s

DBS Technical Data

Technical Parameters of DBS Single Drilling Rig

Description		Main Technical Parameters
Max. Hook Load	kN lbs	2,250 505,820
Reeving of Travelling System		4x5
Wire Rope Diameter	mm in	32 1.26
Diameter of Rotary Table Opening	mm in	698.5 27 1/2
Form and Effective Height of Derrick	m ft	24 78.74
Height of Substructure and Clear Height of Rotary Beam	m ft	6/4.8 20/15.75
Driving Mode	m ft	AC/DC/AC

Primary specifications for the DBS series drilling rig.

Maximum Hook Load

2250 kN

Derrick Height

24 m

ZJ40 Rack and Pinion Specs

Technical Parameters of ZJ40 Rack and Pinion Drilling Rig

Description		Main Technical Parameters
Max. Lifting and Pressing Ability	kN lbs	2,250/360 505,820/809,312
Max. Lifting Speed	m/s ft/s	1.06 3.48
Hydraulic Top Drive Max. Torque	N.m ft.lb	45,000 33,191
Rotating speed for hydraulic top drive	r/min	0-180
Range of Tilt Angle for The Derrick		45°-90° (Every 5° Per Position)
Substructure height & RT beam clearance height	m ft	6.5/5.3 21.3/17.4
Hoisting System Travel (Top Drive System travel height)	m ft	16 52.5

Key performance metrics for the ZJ40 rack and pinion drilling system.

Lifting and Pressing Ability

2,250/360 kN

Top Drive Torque

45000 N.m