

Portable Hydraulic Drilling Rig

This portable drilling rig is lightweight and easy to move, making it suitable for mountainous areas. It features mechanical transmission, hydraulic feed, and a hydraulic chuck to increase drilling efficiency and reduce labor.



Overview



The compact and portable design makes it suitable for both field and laboratory applications.

Portable Hydraulic Drilling Rig

The DSHY-30 is a lightweight and highly portable drilling rig designed for efficient operation in challenging terrains, including mountainous areas. It features mechanical transmission combined with a hydraulic feed system and hydraulic chuck to maximize drilling efficiency while reducing operator fatigue. This versatile machine is engineered for shallow-hole drilling, making it an ideal choice for geological exploration, petroleum surveys, foundation work, and reservoir dam grout hole drilling.

Technical Specifications



Robust control panel enabling precise control over drilling parameters.



Control unit designed for precision and efficiency in drilling operations.

Drilling Capacity

Parameter	Value
Hole Diameter	175mm, 1110mm
Drilling Depth	25m, 30m

Performance Metrics

0.326 kN-m

Rotation Table Output Torque

20 kN

Max Pull Force

3.43 kN

Single Rope Max Lift Force

Mechanical Data

Feature	Specification
Rotation Table Speeds	110; 234; 332 rpm
Feed Stroke	350 mm
Retraction Stroke	220 mm
Hoisting Speeds (2nd layer)	0.58; 1.15; 1.78 m/s

Oil Pump Model

CBW-F203-AFPL

Physical Properties

Dimensions & Weight

240 kg

Drill Body Weight

1270 mm

Length

624 mm

Width

890 mm

Height

Applications

Primary Use Cases

- Petroleum survey explosion hole drilling
- Engineering geological core drilling
- Foundation exploration for industrial and civil buildings
- Grout hole drilling for reservoirs and dams

Suitable Materials

Soil, Sand Soil, Medium Harden Rock