

# Hydraulic Core Drilling Rig

This drilling rig is derived from the xy-2 drillrig, maintaining its performance capabilities. It features a spindle inner hole diameter of 96mm, making it suitable for constructions of hydroelectric power stations, highways, railroads, and harbors.



## Overview

### Hydraulic Core Drilling Rig

This hydraulic core drilling rig is engineered for high-performance geological exploration and core sampling tasks. It features a robust hydraulic system for precise control and a versatile power unit compatible with both electric and diesel options. Designed for stability and adaptability, this rig is capable of handling various rod sizes across a wide range of drilling depths.

## Drilling Performance

### Drilling Capacity by Rod Size

Rod Diameter	Max Depth
173	100
160	200
150	380
142	530

### Spindle Speed

- 57
- 99
- 157
- 217
- 270
- 470
- 742
- 1024

### Reverse Spindle Speed

- 45
- 212

## Technical Specifications

Maximum Torque	2760 Nm
Angle Range	0-90°
Spindle Max Pull Force	60 KN
Spindle Stroke	600 mm
Hoist Max Lift Capacity (Single Rope)	30 KN
Spindle Inner Diameter	76 mm

## Power System

Electric Motor Specification	Y180L-4, 22Kw
Diesel Engine Specification	395K2, 19.85Kw