

# Offshore Geological Exploration Drilling Rig

This offshore drilling rig is designed for sea engineering and geological exploration. It features a frequency converter to adjust rotary speed, offering a long feeding stroke and compact structure.



## Overview

### Offshore Geological Exploration Drilling Rig

The DSHD-200 is a high-performance sea engineering geological exploration drilling rig designed for demanding marine environments. Featuring a top-drive power head with an adjustable rotary speed frequency changer, it offers precise control for both offshore and land-based drilling operations. Built for versatility, this rig supports drilling in water depths up to 80 meters and is engineered to maintain operational stability in wind conditions below grade 5.

## Performance Metrics

### Core Performance Specs

**200 m**

Max Hole Depth

**22 kW**

Motor Power

**8 m**

Mast Height

## Technical Specifications

### Drilling Capabilities

Parameter	Value
Hole Diameter	75 - 220 mm
Operating Water Depth	Up to 80 m
Rod Diameter Options	50 mm, 114 mm
Feeding Stroke	500 mm

### Rotary Speed Ranges

- Low speed: 2-33 r/min (forward/reverse)
- High speed: 16-540 r/min (forward/reverse)

## Equipment Capacity

### Hoisting Capacity

**30 kN**

Main Hoist

**20 kN**

Auxiliary Hoist

## Operational Environment

### Environmental Limitations

Water depth up to 80m, Wind scale < 5 grade, Marine environment, Land-based compatible