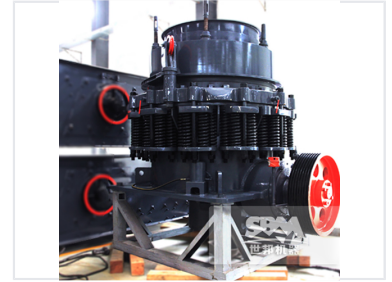


Sea Engineering Geological Exploration Drilling Rig

This sea engineering geological exploration drilling rig is designed for offshore geotechnical investigations. It features a robust tower structure for supporting drilling equipment and is capable of operating in marine environments.



ADDITIONAL IMAGES



Overview

High-Performance Sea Engineering Drilling Rig

The DSHD-600 is a top-drive power head drilling rig engineered specifically for complex marine geological exploration and pile hole drilling. Designed for versatility, it operates effectively in water depths up to 80 meters and is suitable for both offshore and land-based geotechnical projects. With its advanced adjustable rotary speed frequency changer and robust construction, it delivers precise drilling performance in diverse environmental conditions.

Performance Metrics

Key Performance Indicators

600 m

Max Hole Depth

90 kW

Total Motor Power

7500 kg

Total Weight

Drilling Capabilities

Drilling Specifications

Parameter	Range/Value
Hole Diameter	110 - 600 mm
Hole Depth	60 - 600 m
Rod Diameter	50 - 127 mm

Technical Specifications

Rotary Speed (Top Drive)

- Low speed range (forward/reverse): 7-200 rpm
- High speed range (forward/reverse): 14-700 rpm

Hoist Lifting Capacity

- Main hoist: 50 kN
- Auxiliary hoist: 25 kN

Mast Specifications

- Height: 12 m
- Load capacity: 400 kN

Feeding Stroke

3500 mm

Hydraulic System

Hydraulic Break Out Apparatus

- Centre hole diameter: 450 mm
- Break out torque: 2200 Nm
- Supported rod/casing diameters: 50 mm, 127 mm, 178 mm

Operational Environment

Operating Conditions

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