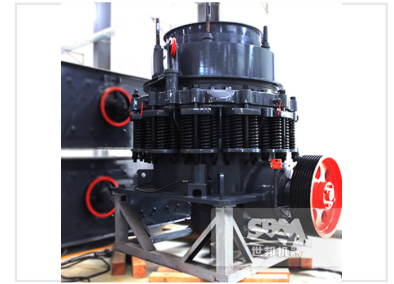


Sea Engineering Geological Exploration Drilling Rig

This drilling rig is designed for sea engineering and geological exploration. It features a frequency changer to adjust rotary speed steplessly and a long feeding stroke.



ADDITIONAL IMAGES



Overview

DSHD-300A Exploration Drilling Rig

The DSHD-300A is a professional-grade top drive power head drilling machine engineered for marine geological exploration and pile hole drilling. Designed for versatility, it operates efficiently at water depths of up to 100 meters and is capable of both offshore and land-based pile hole drilling projects. Equipped with a 12-meter derrick and an advanced frequency-regulated rotary speed system, this rig provides the stability and precision required for demanding geotechnical investigations.

Operational Capabilities

Key Performance Metrics

100 m Max Water Depth	350 m Max Hole Depth	600 mm Max Hole Diameter
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Rotary Speed Range

- Low speed: 7-233 r/min
- High speed: 16-540 r/min

Supported Equipment

BW-250 Mud Pump, BW-600 Mud Pump

Technical Specifications

Power & Lifting

Component	Specification
Electromotor Power	30 kW
Main Hoist Capacity	30 kN
Auxiliary Hoist Capacity	20 kN
Derrick Load Capacity	180 kN

Physical Dimensions

- Derrick Height: 12 m
- Feeding Stroke: 3500 mm
- Dimensions (LxWxH): 2800x1500x5800 mm
- Total Weight: 6500 kg

Hydraulic Breakout Apparatus

- Center hole diameter: 450 mm
- Breaking out torque: 2.2 kNm
- Compatible rod/casing diameters: 50, 127, 178 mm