

Micro Piling Borehole Rotary Drilling Rig

The HDL-308 micro piling drilling rig excels in complex formations. Its top drifter delivers high power-vibration, facilitating hard rock drilling without needing an air compressor or DTH hammer.



ADDITIONAL IMAGES



Overview

High-Performance Drilling Solution

The HDL-308 is a specialized micro piling borehole rotary drilling rig engineered for complex geological formations. Its high-power vibration top drifter enables efficient drilling in hard rock environments without the need for additional air compressors or DTH hammers. Designed for versatility and safety, this rig features advanced hydraulic systems and omnidirectional angle adjustment, making it suitable for a wide range of geotechnical and foundation construction projects.

Technical Specifications

Hole Diameter	Æ100~Æ300
Hole Depth	150~180
Hole Angle	-30~105
Rod Diameters	∅73, ∅89, ∅102, ∅114, ∅146, ∅168, ∅194, ∅219
Gripper Diameter	∅73~∅300

Key Features

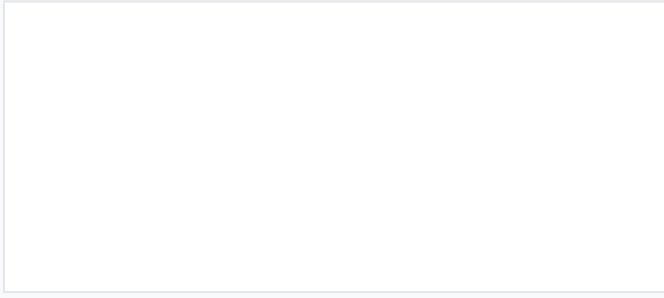


Diagram illustrating the operational control layout and key mechanical components of the HDL-308 rig.



Operational range of motion diagram highlighting the flexibility of the mast, lifting arm, and turntable configurations.

Operational Capabilities

- Top Drive Drilling Head suitable for diverse soil conditions
- Fitted with stable imported hydraulic system
- Omnidirectional variable angle mechanism for project flexibility
- Vertical big turn plate for tunnel shield construction
- 300mm opening diameter clamp for large hole drilling
- Remote control operation for enhanced safety

Movement & Positioning

- Lifting arm swings in left/right angle
- Vertical turntable with left/right angle adjustment
- Mast with left/right angle adjustment
- Lifting tower swings in up/down angle