

## **Mechanical Drilling Rig**

### **Main Features**

1. Our mechanical drilling rig adopts mechanical transmission for key parts for simple maintenance and control, thus offering exceptional price/performance ratio.
2. Drawworks on our drilling equipment adopts sealed chain transmission, and comes with 4 forward gears and 2 reverse gears. Optional combination of 6 forward gears and 2 reverse gears is also available. Moreover, our drawworks is fitted with auxiliary drive to lift up derrick and offer emergency lifting function.
3. K type derrick is made from H-shaped steel for efficient transportation and wide sight. Modular-designed substructure of this mechanical rig offers impressive stability. Drawworks and derrick can be installed at lower place and be lifted to proper deployment.
4. We introduce integrated driller's control room which is placed on the top of water tank of drawworks, resulting in minimized platform vibration impacts on instrument and control components inside the driller's control room.
5. In the transmission system of our drilling machinery involves the utilization of universal shaft for connection of all parts, whereby customers avail from simplified installation and disassembly.
6. Our mechanical drilling rig is highly distinguished by well-conceived layout and can cater to the most demanding needs for railway and road transportation efficiency. Moreover, amazing retrofit capability and high mechanization offer outstanding versatility.

### **4000m Mechanical Drilling Rig**



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# CHENGDU COBRA TRADING CO.,LTD

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## Specification

Nominal Drilling Depth	2500-4000m (114mm Drilling Rod)		Quantity and Power of Drilling Pump	2×1300hp
	2000-3200m (127mm Drilling Rod)		Substructure Type	Telescoping
Max. Hook Load	2250kN		Substructure Height and Rotary Table Clearance	7.5m, 6.3m
Rope System of Travelling System	5×6, Successively Twined		Derrick Model and Effective Height	K-Shaped, 43m
Rated Power of Drawworks	735kW (1000HP)		Transmission Mode	Hydraulic Transmission + Chain Compound Gearbox
Gear Number of Drawworks	4 Gears: 4F+2R	6 Gears: 6F+2R	Main Diesel Engine Model/Power	3×810kW
Diameter of Drilling Wire Rope	Φ32mm		Auxiliary Generator Quantity/Power	1×400kW + 1×220 kW
Opening Diameter of Rotary Table	698.5mm (27 1/2")		High Pressure Mud Manifold	Φ102mm (Drift Diameter) × 35MPa
Gear Number of Rotary Table	4F+2R	6F+2R	Effective Volume of Solid Control System	260m <sup>3</sup>

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