



## **CSD1300L**

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### **INTRODUCTION & SPECIFICATIONS**

## **CSD1300L DIAMOND DRILLING RIG**

CSD1300L core drilling rig is specially designed for diamond core drilling. Track crawler mounted rig facilitates moving around with great convenience. Robust structure plus strong power supply ensures high penetration rate and outstanding reliability. Its full hydraulic concept includes virtually all operational functions that prevail on the latest models around the world.

The following high lights represent the rig's major features:

1. 4 speeds gear box provides free combination of torque and spindle speed;
2. Big chuck diameter of 117mm applies BQ to PQ size rods;
3. 3.5m long stroke of drill head facilitates handling of rods of 3m length;
4. Mast dumping guarantees perfect stability during drilling;
5. Independent hydraulic jacks facilitates leveling of the rig;
6. Great convenience of control of feed pressure;
7. Standardized parts and components make maintenance and repairing easy;
8. Real time reading of drilling data on gauges on the control panel;
9. Mud pump and mixer powered by the rig's hydraulic system, controlled directly on the rig's panel;
10. Top grade hydraulics of European origin;
11. Experienced engineers plus adequate spare parts ready to provide full service.

## CSD1300L SPECIFICATIONS

### DEPTH CAPACITY

Rod size	Depth
BQ	1,300M
NQ	1,000M
HQ	700M
PQ	400M

### POWER PACK

Diesel	Cummins 6BTA
Displacement	5.9L
Type	Turbo Charge
Cooling	water
Power	132Kw @ 2,500 rpm

### HYDRAULIC SYSTEM

Working Pressure	26 MPa
Cooling	Air

### DRILL HEAD

Chuck Spring Closed, Hydraulic Open	
Chuck Inner Diameter 117mm	
Number of chuck jaws 5 pieces	
Max Torque	506-4,257NM
spindle speed	
shift	RPM
1st	0 – 190 rpm
2nd	0 – 378 rpm
3rd	0 – 675 rpm
4th	0 – 1,200 rpm

### MAST

Two sections, manually folding and opening	
Mast Height	9 m
Mast Dump	1.4 m
Drilling Angle	45 –90 degree
Push	5,500Kg
Pull	12,000Kg
Stroke	3,500mm

### MAIN WINCH

Pull	6,800 Kg (bare drum)
Speed	51m/min (bare drum)
Rope Diameter	16mm
Rope Length	30m

### WIRE LINE WINCH

Pull	1,100 Kg (bare drum)
Speed	120m/min (bare drum)
Rope Diameter	6.6 mm
Rope Length	1,000 m

### MUD PUMP

Model	BW160
Max Flow	160L/Min
Max Pressure	10MPa

### MUD MIXER

Parker Motor

### TRACK CRAWLER

Max Climbing Angle	30 degree
Walking Speed	2 km/h

### FOOT CLAMP

V type	
Number of Jaws	2 pieces

**GROSS WEIGHT** 8,500Kg

**WALKING SIZE** 5,200x2,600x2,310mm



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