

DRILLING: CS 1500 EXPLORATION DRILL RIG



A rig with proven reliability on coring programs. Versatile drill capabilities with medium to deep drilling capacity as well as a high altitude package for demanding drill programs. The CS 3001 truck mounted drill rig is proven solution for your exploration drilling needs.

DEPTH CAPACITY CORING

B Wireline – 4,500 ft. (1,370 m.)
N Wireline – 3,500 ft. (1,070 m.)
H Wireline – 2,400 ft. (730 m.)
P Wireline – 1,300 ft. (400 m.)

POWER UNIT

Cummins 6BTA 5.9 Liter 6 Cylinder; 175HP @ 2,500 RPM
Diesel Turbo Charged/Charge Air Cooled

HYDRAULIC PUMPS

Primary Pump: 3,500 PS1-43 GPM (24.1MPA-162 LPM)
Secondary Pump: 3,000 - 15GPM (20.6 MPA - 56 LPM)
Auxiliary Pump: 2,500 PSI - 8 GPM (17.2 MPA - 30 LPM)
Hydraulic Oil Cooling: Air

MAST AND FEED SYSTEM

Feed Travel: 11.5 ft. (3.5 M)
Feed Speeds: Fast and Slow With Variable Control
Thrust: 13,000 LB (5,895 KG)
Pull: 21,000 LB (9,525 KG)
Drilling Angle: 45 to 90 degrees
Rod Pull Length: 20 ft. (6.09 M)

DRILL HEAD

Maximum RPM: 1,300
Maximum Torque: 3,232 ft. LBF (4,382 NM)
Transmission: Four Speed, Manual Shift

MAIN HOIST

Single Line Capacity: 5,443 KG (12,000 LBF)
Cable Diameter: 9/16 in.(14.3 MM)

STANDARD EQUIPMENT

Dump Mast
Derrick in Two Sections
Four Hydraulic Jacks 24 in. (610 mm.) Stroke
Hydraulic P-Sized Holding Clamp
Control Panel Hydraulic Slide
Hydraulic Rod Centralizer
Hydraulic Oil Reservoir Fill Pump & Filtration
Fuel Filter & Water Separator
High Altitude Kit
Hydraulic Mud Mixer
Fuel Tank: 50 gal. (190 L.)
Mud Pump: Hydraulic Driven FMC W1122BCD
Max Flow: 37 gpm (140 LPM)
Max Pressure: 1,000 psi (7.0 MPA)

WEIGHT

Rig Weight: 14,000 lbs (6,350 KG) – will vary with options
Recommended Truck GVW: 32,000 lbs (14,515 KG)

Specification will vary by specific drilling rig unit number

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