

Atlas Copco Christensen Exploration Drills

CS3001 Surface Drills



CS3001 surface rig – big on reliability.

The latest version in the CS3000 series, the CS3001, is quickly earning a reputation for dependability from satisfied customers the world over. CS3000 series rigs are operating in countries from the United States to Chile, in altitudes as high as 5,000 metres and in ambient temperatures as hot as 50° C. The CS3001, with its powerful, 194 kW diesel engine, one-piece mast with a rod pull of 6.1 metres, and depth capacity of 1,700 metres (N size wireline), is among the most powerful surface drills on the market today. Truck-mounted or optional crawler track mounted, it's ready to roll into the world's toughest drilling conditions.

Big on features.

The CS3001 is the Christensen cadillac, packed with features designed for speed, ease of operation and productivity.

Diesel Engine and Fuel System

- Powerful Cummins 6 CTA 8.3L engine
- 2194 kW @ 2,000 rpm
- Turbo-charged/after-cooled

Drillhead

- P size spindle (117mm) maximum 1,300 rpm
- Maximum torque – 4,800 Nm (3,500 ft lbf)
- Four speed transmission

Hydraulic Chuck

- Spring closed, hydraulic opened
- Holding capacity of 178 kN (40,000 lbf)
- Five jaws with carbide inserts

Mast

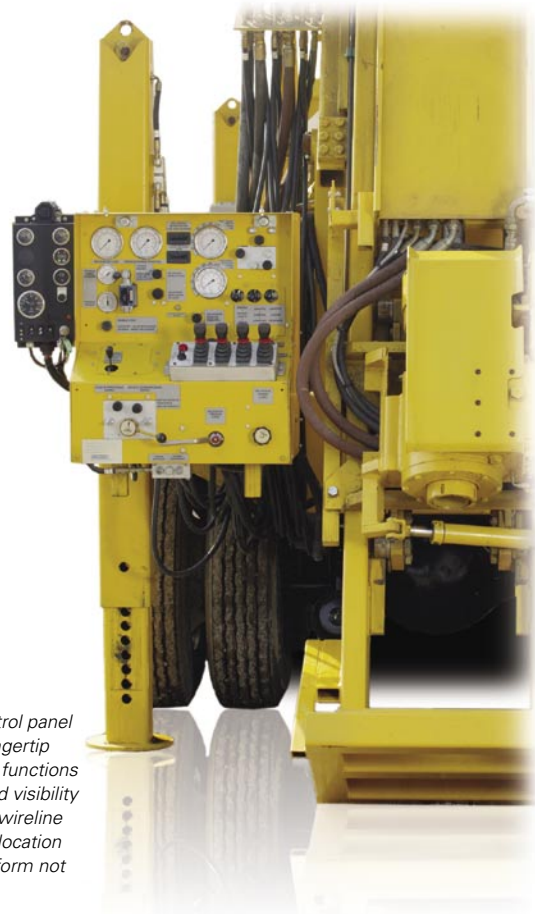
- One piece construction
- Drill angle range – 45 to 90 degrees
- Feed stroke of 3.3 metres pull-back of 35,000 lbf
- Thrust – 14,000 lbf

Control Panel

- All drilling and engine controls in one location
- Fingertip control of all functions
- Improved visibility of main and wireline hoists
- Hydraulically extends for angle drilling
- Driller's fold-down platform

Core Drilling Solutions.

Atlas Copco Exploration Products manufactures and markets its innovative line of core drilling rigs, accessories and parts worldwide. It does not compete with its customers. Using cutting edge technology, extensive research and a proven distribution network, Atlas Copco creates lasting, loyal customer relationships by continually meeting needs and surpassing expectations.



CS3001 control panel allows for fingertip control of all functions and improved visibility of main and wireline hoist at one location (driller's platform not shown).



Atlas Copco Exploration Products

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