

Rock Coring Drill (RCD-500)



FUNCTIONS

- 5 HP electric motor
- Continuous adjustment of spindle speeds from 250 through 2,000 RPM.
- 300 mm (12 inch) core drilling depth
- Servo control of drilling force up to 22 kN (5,000 lbs)
- Real time display of drilling torque
- Stiff support frame for steady coring
- Integrated water swivel with water circulation system
- Automated coring process

DESCRIPTION

Core drill with 5 HP electric motor and digital readouts for drilling torque, thrust load, and spindle RPM. Includes on-the-fly adjustable drilling force control and adjustable spindle speeds. The drilling rate is load-controlled minimizing core damage of specimens containing hard particles. A rigid column drill support frame ensures stable and steady coring operations eliminating ridges on the specimen.

The machine provides a real-time display of drilling torque, thrust load, and spindle RPM, allowing for precise monitoring of drilling conditions.

Includes a vise table to hold prismatic rock samples, recirculating cooling system (reservoir and pump), water swivel, and motor-head assembly. RCD-500 accommodates a large range of diamond coring bits.

OPERATION

230-460VAC/3P/60 Hz or 380VAC/3P/50 Hz.