

JQ-1680

Full-hydraulic top-drive core drill for deeper hard-rock coring

The JQ-1680 is a crawler-mounted, full-hydraulic core drill with greater depth and pullback than the JQ-1200. Its top-drive head and side-shifting mast drill from 0–90°, powered by a Cummins diesel with a multi-pump hydraulic circuit for long, continuous coring shifts.

Specifications

DRILLING CAPACITY	
Depth (BTW / BQ)	**1,700 m / 5,577 ft**
Depth (NTW / NQ)	**1,500 m / 4,921 ft**
Depth (HTW / HQ)	**1,150 m / 3,773 ft**
Depth (PQ)	**800 m / 2,625 ft**
POWER HEAD & FEED	
Pullback / pulldown force	**300 / 150 kN**
Max power head speed	**1,200 rpm**
Feed cylinder stroke	**3.8 m / 12.5 ft**
Drive type	**Top-drive, full hydraulic**
POWER & HYDRAULICS	
Diesel engine	**Cummins, 160 kW**
Hydraulic pressure	**32 + 16 MPa**
Cooling	**Two-stage air + one-stage water**
DIMENSIONS & WEIGHT	
Transport dimensions	**6,400 × 2,240 × 2,500 mm**
Mast height	**9.8 m / 32.2 ft**
Total weight	**13 t / 28,660 lbs**
Travel speed	**3.5 km/h**

Specifications are for guidance and may change with product improvement; confirmed values follow the formal quotation.

Key features

- **Full-hydraulic top drive.** Stepless high torque in hard rock.
- **Side-shifting mast.** Raises and slides as a unit for 0–90° holes.
- **Manual + remote crawler.** Track movement by hand or wireless remote.
- **Multi-pump circuit.** Independent pumps with full-line filtration.

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