



MDR700



 **BOART LONGYEAR™**

MDR700

The MDR700 underground coring mobile drill rig is a powerful rig that utilizes proven Boart Longyear™ underground exploration technology like the LM™ 700 feed frame and offers wide drilling angles, quick and easy setup, operation, and maintenance, advanced mobility, and engineered safety controls.

The next-generation design of the integrated positioner and turntable offers extremely wide drilling angles and impressive reach to make positioning and drilling a series of holes easier. The rig features sophisticated articulations with three turning points.



MOBILITY

Rig moves are up to 80% faster and easier with the four-wheel drive diesel-engine powered carrier that moves at speeds of up to 10 km/h (6 mph).

QUICK AND EASY SETUP

A time saver when moving from hole to hole with unique maneuvering features like three available steering modes: four-wheel, two-wheel, and crab-like movement. Positioning is quick and easy using a handheld remote controller.

OPERATOR SAFETY AND COMFORT

Extensive insulation in the engine and pump compartments makes the MDR700 a quieter rig – 88dB* while drilling and 74 dB* when equipment is idling.

EFFORTLESSLY BREAK ROD JOINTS

The breakout system on the drill head uses a high-pressure oil and gear rack assistance to effortlessly break rod joints.

WIDE DRILLING ANGLES

Integrated positioner and slew drive articulation allows for 270 degrees of horizontal movement and vertical up to vertical down drilling range with ease.

ENGINEERED SAFETY - ROD HANDLING

Semi-automated rod handling includes smart hydraulics with synchronized control between the rotation unit and foot clamp for faster and safer rod handling.

SEMI-AUTOMATED DRILLING - DCI

The Drill Control Interface (DCi), semi-automates drilling and provides a fully electronic interface to safely and efficiently operate both the drill rig and the rod handler.

Specification	Metric	U.S.
Depth Capacity (Vertical Down)	700 m (NQ)	2,297 ft (NQ)
Drill Rod Size	AQ to HQ	
Push Force	53.9 kN	12,117 lb
Pull Force	81.4 kN	18,299 lbf
Feed Stroke	1.8 m	5.9 ft
Rod Handler	Yes	
Electric Motor	90 kW	120 hp

For complete technical data and customization options, visit www.BoartLongyear.com/MDR700

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*Manual sound recording not conducted in a controlled environment.