



LFTM160 DRILL RIG AND FREEDOMTM LOADER

DIAMOND DRILL RIG

The LFTM160 drill rig is an exceptional surface coring drill rig, and when equipped with the transformative FREEDOMTM Loader, removes the need for manual rod handling.

Functionally, such hands-free capability enables offsideers to maintain a safe distance from the drill table, assuring a safer process from start to finish.

The LFTM160 and FREEDOMTM Loader combination is ideal for sophisticated surface drilling exploration contracts that stipulate equal parts productivity and safety as standard.

This cutting-edge rig has been engineered and assembled to endure and thrive in challenging operating environments.

HIGHLIGHT FEATURES

Up to 2,100 metres depth capacity

~17.3 Tonne Pull Back Force

~9 Tonne Pull Down Force

Low Impact Mercedes
AROCS 6x6 Carrier Truck
(ECE R29 Compliant Cab)

HANDS FREE ROD HANDLING

No drill assistant intervention required for rod alignment and cycling.

HYDRAULIC CLAMPING AND BREAKING DEVICE

No wrench under power.
Rod alignment device and centraliser included.

VISUAL WIRELINE

Wireline winch and sheaves located in the front of the mast, inside the rotation barrier, for improved visibility.



DIAMOND DRILLING | MUD ROTARY | AIR ROTARY
LARGE DIAMETER WIRELINE DIAMOND DRILLING

LFTM160

DRILL RIG AND FREEDOMTM LOADER

ENGINE

- Tier 4 Cummins QSB6.7 194KW diesel engine

DRILL MAST AND FEED SYSTEM

- 45°- 90° (vertical down) drilling inclination
- 9m drill mast length
- 6.7m feed stroke length
- 1.8m mast dump
- 6m maximum rod pull length

RIG CONTROLS

- Pilot hydraulic drilling controls
- Weight on bit / head-rpm / mud flow / wireline depth digital drilling data display
- Energy chain hose management

NOTABLE FEATURES

- 45 – 90 (vertical down) drilling inclination; inclusive of upgraded hydraulic mast locking system
- 2 x W011 FMC water pumps
- Upgraded 3,000PSI air & water circuit inclusive of larger 32mm spindle in drill head
- Upgraded 10" (~254mm) capacity hydraulic foot clamp & breakout assembly
- Automatic inner tube presenter assembly
- Fire suppression
- Secondary retention on mast assembly
- FOPS canopy fitted on drill control
- Drop object survey, plant risk assessment & audible assessment
- Starlink

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