



**"GOES WHEREVER
YOU NEED TO GO"**

- LF70 Fly Drill

www.boartlongyear.com



**DEPTH CAPACITY:
700 M (2300 FT)
(NQ/NRQHP)**

**A LIGHTWEIGHT, FLY
CONFIGURATION
AVAILABLE FOR
REMOTE PROJECTS**

HQ/PQ PATENTED, NITROGEN GAS
SPRING NITRO-CHUCK®

RUGGED PERFORMANCE

LF70 Hydraulic Diamond Core Fly Drill

Mobility

Can be configured to be heliportable for remote locations. Reduced downtime when mobilizing between sites and with less environmental disruption.

Modular Design

With just seven components, it takes less than one hour to pull down the rig and the same time to reassemble.

Lightweight

A major consideration when designing this compact drill was the overall weight and dimensions of each component. The LF70 is ideal for drilling in confined, remote locations.



**BOART
LONGYEAR**



LF70 Hydraulic Diamond Core Fly Drill

ROTATION UNIT:

- Hollow spindle for HQ tools
- 2-speed (hi-low range) reversible - bent axis piston type hydraulic motor
- Chain driven with FUNK 4-speed transmission
- HQ Nitro-Chuck® with one year warranty

POWER UNIT

- Cummins 4BTA3.9C, Tier 1, 4 cylinder, liquid cooled, turbocharged, diesel engine

OPERATOR'S PANEL / HYDRAULIC MODULE

- Self contained and ergonomically designed for ease of operation
- Manually operated hydraulic control valves

MAIN HOIST

- 12,000 lb capacity single line pull - hydraulic driven
- Spring applied, failsafe brake
- 15 mm (9/16 in) diameter hoisting cable

WIRELINE HOIST

- Hydraulically driven with hydraulic motor counter balance valve
- Spooling capacity - 1 890 m (6,200 ft) swaged 4.8 mm (3/16 in) cable

MAST

- Standard 3 m (10 ft) pull or 6 m (20 ft) with modular middle mast section
- 30° off horizontal (angle drilling) to 90° vertical down
- Direct coupled feed cylinder with 1.83 m (6 ft) stroke
- Single sheave, large diameter crown block for improved cable life

OPTIONS

- Deutz BF4L914, Tier 2, 4 cylinder, air cooled, turbocharged lightweight diesel engine for fly-in applications - check factory for availability
- Deutz BF6L913, Tier 1, 6 cylinder, air cooled, turbocharged diesel engine - check factory for availability
- PQ Nitro-Chuck®/Gear Head with one year warranty
- Hydraulically powered foot clamp - BQ rod to HWT casing jaw sizes
- Rod racking platform
- Dual mast raising cylinders
- Mud mixer - hydraulically powered
- W11 Fluid circulation pump - hydraulically powered
- Single axle towing group
- Mud tank outrigger supports

Refer to Tech Data sheets for additional technical information.

BOART LONGYEAR IS A LEADING PROVIDER OF:

GLOBAL DRILLING SERVICES

EXPLORATION TOOLS AND EQUIPMENT

ROCK DRILLING TOOLS AND EQUIPMENT

GEOTECHNICAL AND ENVIRONMENTAL TOOLS, EQUIPMENT AND INSTRUMENTATION

CONSTRUCTION AND STONE TOOLS AND EQUIPMENT

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