



Mobile Drill Intl

YOUR DRILL RIG SALES AND SERVICE EXPERTS SINCE 1947

B48 Great Multi-Purpose Rig

Compact Mechanical Drill



Geotechnical Environmental

Environmental • Geotechnical • Mineral Exploration • Rotary

B48 Drilling Benefits

- 40+ Years of being the international standard for the geotechnical market
- Hollow stem auger, continuous flight auger, diamond core and rotary drilling capable
- Designed for angle drilling
- 10-speed rotary head: 8,611 ft-lb [11,675 Nm] of torque and 856 RPM
- Pulldown Force: 16,200 lbs [7,348.2 kg]
- Retract Force: 24,000 lbs [10,886.2 kg]
- Sized for mounting on a variety of carriers to provide go-anywhere versatility

B48

Compact
Hydraulic
Drill

PERFORMANCE SPECIFICATIONS

Hydraulic Feed System

Pulldown force: 16,200 lbs [7,348.2 kg]
Retract force: 24,000 lbs [10,886.2 kg]
Feed speed, down: 0-71 ft/min [21.6 m/min]
Feed speed, retract: 0-48 ft/min [14.6 m/min]
Feed stroke: 6 ft [1.83 m]
Angle Drilling

Power Unit

Deck engines: Cummins, Deutz Diesel
PTO: Transmission or transfer case

Hydraulic Pumps

Primary pump: 36 gpm [136.3 l/min]
Auxiliary pump: 24 gpm [90.9 l/min]

Drill Head Rotary

STANDARD HEAD

10-SPEEDS

Open bore: 4-5/8 in [118 mm]
Maximum rotary speed: 856 rpm
Maximum torque: 8,611 ft-lb [11,675 Nm]

C-SERIES HEAD

INFINATELY VARIABLE SPEEDS

Open bore: 5-1/8 in [130 mm]
Maximum rotary speed: 1,300 rpm
Maximum torque: 2,750 ft-lb [3,728 Nm]

X-SERIES HEAD

8-SPEEDS

Open bore: 5-1/8 in [130 mm]
Maximum rotary speed: 1,020 rpm
Maximum torque: 10,100 ft-lb [13,693 Nm]

Estimated Operating Capacities (Standard Rotary Head)

Hollow stem augers, 3-1/4 in [82.6 mm] ID: 175 ft [53.3 m]
Continuous flight auger, 6 in [152.4 mm] OD: 300 ft [91.4 m]
Continuous flight auger, 14 in [355.6 mm] OD: 60 ft [18.3 m]
Rotary drilling, NW: 1,500 ft [457 m]
Diamond core drilling, N Wireline: 1,600 ft [468 m]

Note: Above drilling capacities may vary according to subsurface conditions and rotary head option.

SPT Automatic Hammer

ASTM D-1586 standards, standard duty and heavy duty
140 lb [63.5 kg], 170 lb [77.1 kg]
300 lb [136.1 kg]
340 lb [154.2 kg] slugs available
Hydraulic self compensating

Leveling Jacks

Single front/dual rear, 24 in [609.6 mm] or
36 in [914.4 mm] stroke

Hoist

MAIN—SINGLE LINE CAPACITY: 8,500 lbs [3,855.5 kg]

Line speed: 0-75 ft/min [0-22.9 m/min]

Line speed - Reverse: 0-325 ft/min [0-99.06 m/min]

Cable diameter: 1/2 in (.500) [12.7 mm]

Cable length: 100 ft [30.5 m] standard

AUXILIARY—SINGLE LINE CAPACITY: 4,500 lbs [2,041.2 kg]

Line speed: 0-135 ft/min [41.2 m/min]

Cable diameter: 5/16 in (.325) [8.3 mm]

Cable length: 75 ft [22.9 m] standard

SAFE-T DRIVER—SINGLE LINE CAPACITY: 900 lbs [408.2 kg]

Line speed: variable up, freefall down

Cable diameter: 1/4 in (.250) [6.4 mm]

Cable length: 300 ft [91.4 m] standard

WIRELINE—SINGLE LINE CAPACITY: 1,200 lbs [544.3 kg]

Line speed: 0-500 ft/min [0-152.4 m/min]

Cable diameter: 3/16 in (.185) [4.7 mm]

Cable length: 400 ft [121.9 m] standard

Winch capacity: 3,500 ft [1,066.8 m] cable

Optional Equipment

- Mast: 21 ft [6.4 m] or 31 ft [9.5 m]
- In-out slide base/side-to-side slide base
- Adjustable auger guide support
- Above deck combination auger/rod rack
- Front mounted auger rack
- Swing out under body auger racks
- Water pumps
- Hydraulic chuck
- Break out wrench
- Rod clamp
- And much more!

Mounting Options

Truck, trailer, track carrier

NOTE: Engineering specifications are theoretical, actual performance will be different, specifications are subject to change without notice.

