



Mobile Drill Intl

YOUR DRILL RIG SALES AND SERVICE EXPERTS SINCE 1947



Long-Stroke
Hydraulic
Drill

B54

Geotech
Setups
Available

Great for Coring!

Coring - Conventional or Wireline • DTH • RC • Angle • Rotary • Auger

B54 Drilling Benefits

- A workhorse for coring, mineral exploration, environmental and geotechnical drilling applications.
- Features a 13 ft feed stroke and 10 speed rotary head
- Optional Power - Either a carrier engine PTO, or a dedicated drill engine
- Pulldown Force: 16,000 lbs [7,257. kg]
- Retract Force: 24,000 lbs [10,886.2 kg]
- Optional SPT Automatic Hammer
- Angle drilling capable

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PERFORMANCE SPECIFICATIONS

Hydraulic Feed System

Pulldown force: 16,000 lbs [7,257.5 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: 13 ft [3.96 m]
Angle Drilling
In-out slide base: 10 in [254 mm] of travel
Adjustable auger guide support

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: 150 ft [45.7 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, 2-7/8 in [73 mm] OD drill rod: 1,500 ft [457 m]
Diamond core drilling, N Wireline: 1,200 ft [365.8 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 fpm [0-22.9 mpm]

Line speed - Reverse: 0-325 fpm [0-99.06 mpm]

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 fpm [41.2 mpm]

Cable diameter: 5/16 in (.3125) [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 fpm [0-152.4 mpm]

Cable diameter: 3/16 in (.1875) [4.7 mm]

Cable length: 400 ft [121.9 m] standard

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

Optional Equipment

- Make/break rod clamp system
- Break-out wrench
- Single rod loader
- Water pumps
- Rod trough
- Auger/rod rack - Above deck combination
- Auger rack - Under body swing out
- Auger rack - Front mounted
- Tool guide
- Driller platform
- 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.

