



Mobile Drill Intl

YOUR DRILL RIG SALES AND SERVICE EXPERTS SINCE 1947

B53



Geotechnical • Environmental • Mineral Exploration

B53 Drilling Benefits

- Compact Hydraulic Drill
- Sized For Mounting on a Variety of Carriers
- Great Multi-Purpose Rig
- Designed For Angle Drilling
- Hollow Stem Auger, Continuous Flight Auger, Diamond Core & Rotary Drilling
- Feed Stroke: 6 Ft [1.83 m]
- Retract Force of 24,000 lbs (10,866.2 kg)
- Pulldown Force of 31,400 lbs (14,242 kg)



PERFORMANCE SPECIFICATIONS

Hydraulic Feed System

Pulldown force: 31,400 lbs [14,242 kg]

Retract force: 24,000 lbs [10,886.2 kg]

Feed speed, down: Fast feed, 0-72 ft/min [0-22 m/min],

Fine feed, 0-38 ft/min [0-11.6 m/min]

Feed speed, retract: Fast feed, 0-50 ft/min [0-15.2 m/min],

Fine feed, 0-100 ft/min [0-30.5 m/min]

Feed stroke: 6 Ft [1.83 m]

Angle Drill Capable

Power Unit

Deck Engines: John Deere Standard, Other Options Available

PTO OPTIONS AVAILABLE

Drill Head Rotary

- Maximum Rotary Speed: 837 RPM [87.65 rad/s]

- Torque: 6,588 ft-lb [8,932 Nm]

- 10 Speeds

Estimated Operating Capacities

Hollow Stem Auger, 3-1/4 in [108 mm] ID: 150 ft [45.72 m]

Continuous Flight Auger, 6 in [152 mm] OD: 300 ft [91.44 m]

Continuous Flight Auger, 14 in [365 mm] OD: 60 ft [18.27 m]

Rotary Drilling, NW 1,000 ft [304.8 m]

Diamond Core Drilling, NQ: 1,200 ft [365.76 m]

Note: Above drilling capacities may vary according to subsurface conditions.

Hoist

MAIN—SINGLE LINE CAPACITY: 6,000 lbs [2,722 kg]

AUXILIARY—SINGLE LINE CAPACITY: 3,000 lbs [1,361 kg]

SAFE-T DRIVER—SINGLE LINE CAPACITY AVAILABLE

WIRELINE—SINGLE LINE CAPACITY: 5,000 lbs [2,268 kg]

SPT Automatic Hammer

- ASTM D-1586 Standards - Standard 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

Optional Equipment

- 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 Underbody Auger Racks
- Toolboxes
- Water Pumps
- Water Tanks
- Break-Out Wrench
- Rod Clamp
- Hydraulic Chuck
- Auger Guide
- Driller Platform

Mounting Options

- Truck
- Trailer
- Tractor
- Dozer
- Rubber Track
- Skid

Hydraulic Specs Disclaimer: Actual rotary head performance may vary slightly depending on engine rpm, hydraulic systems' pressure and pump flow settings.

For All Drilling Depth Capacities on All Drills Disclaimer: Above drilling capabilities may vary according to subsurface conditions, hoist capacity and drilling medium gpm, cfm, and/or psi.

