

Mobile Drill Intl

HELPING YOU BUILD OUR WORLD SINCE 1947

Hydraulic Drill

B54X



MULTI-PURPOSE

THE WORKHORSE FOR THE GEOTECH AND ENVIRONMENTAL INDUSTRIES

CORING • ROTARY • HOLLOW STEM & CONTINUOUS FLIGHT

B54X Drilling Features

- X-Head - 1,055 rpm with a Maximum Torque of 8,000 ft-lb
 - 8 Speeds, 4-5/8" Open Spindle
 - No Chains, No Right Angle Drive
- 13 Ft Long Feed Stroke
- Retract Force: 24,000 lbs
- Pulldown Force: 16,200 lbs

PERFORMANCE SPECIFICATIONS



Hydraulic Feed System

Pulldown Force: 16,200 lbs [7,348 kg]

Retract Force: 24,000 lbs [10,886 kg]

Feed Down Speed: 0-74 ft/min [0-23 m/min],
0-149 ft/min [0-45 m/min]

Feed Retract Speed: 0-50 ft/min [0-15 m/min],
0-100 ft/min [0-30 m/min]

Feed Stroke: 13 ft [3.96 m]

Angle Drill Capable

Power Unit

Deck Engines: John Deere, Cummins, Deutz Diesel

PTO: Transmission or Transfer Case

Drill Head Rotary

- 8 Speeds
- 4-5/8 in [118 mm] ID Open Spindle
- No Chains, No Right Angle Drive

Drive: Helical Gear

Max Chuck Size: P Wireline

Maximum Rotary Speed: 1,055 rpm

Maximum Torque: 8,000 ft-lb [10,847 Nm]

Hoists

Main - Single Line Capacity: 12,000 lbs [5,443 kg]

Main - Single Line Capacity: 8,500 lbs [3,856 kg]

Auxiliary - Single Line Capacity: 4,500 lbs [2,041 kg]

Safe-T-Driver/Wireline: 900 lbs [408 kg]

Wireline Hoists - A Wide Variety Available

Line Capacities from 700 ft [213 m] to 7,500 ft [2,286 m]

Estimated Operating Capacities

Hollow Stem Augers: 4-1/4 in [108 mm] ID: 175 ft [53 m]

Continuous Flight Augers: 6 in [152 mm] OD: 300 ft [91 m]

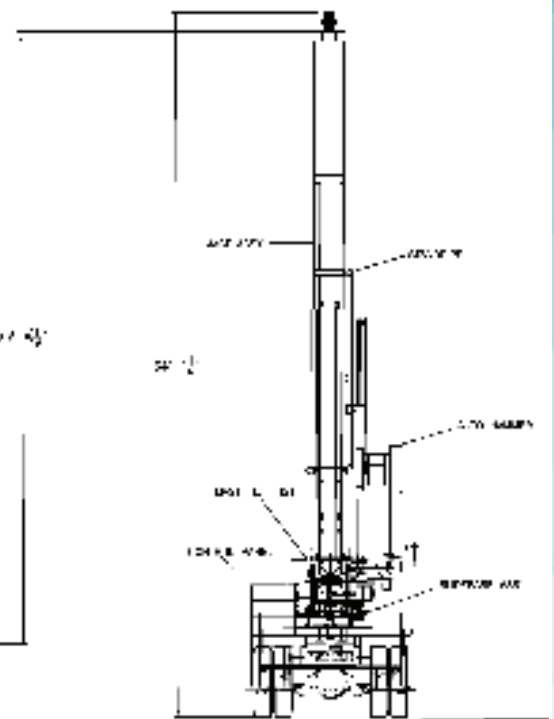
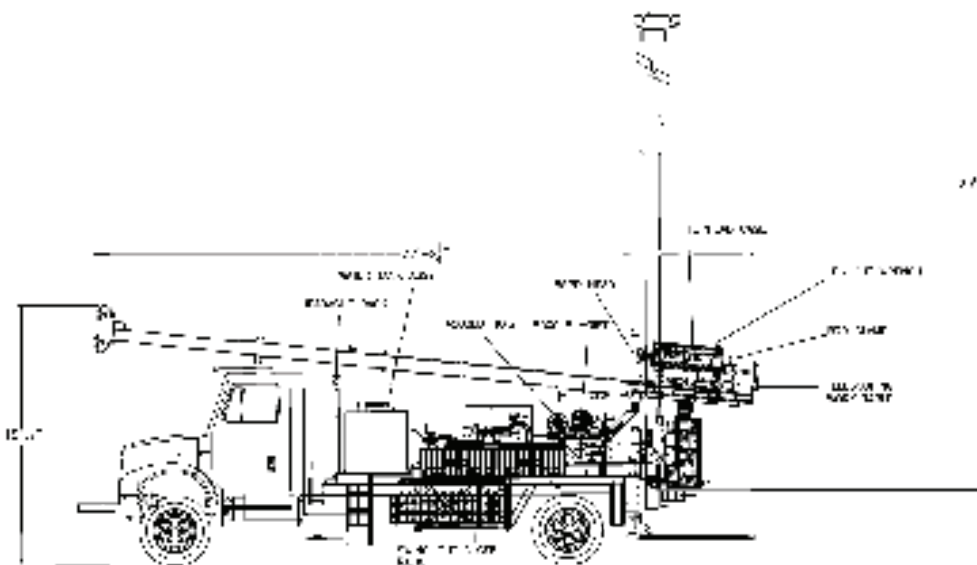
Rotary Drilling: 4-1/2 in [114 mm] OD Drill Pipe: 600 ft [183 m]

Diamond Core Drilling: N Wireline: 2,500 ft [762 m]

Reverse Circulation: 4-1/2 in [114 mm] CIP Drill Pipe: 600 ft [183 m]

Optional Equipment

- Angle Drilling
- Mast Dump (Vertical Mast Slide)
- In-Out & Sideways Slide Base
- SPT Automatic Hammer, ASTM D-1586, 140 lb [64 kg], 170 lb [77 kg], 300 lb [136 kg], 340 lb [154 kg] Slugs Available
- Custom Breakout Table Designs
- Make/Break Double Rod Clamp System
- Hydraulic Breakout Wrench
- Water Pumps - Piston, Centrifugal and Progressive Cavity
- Water/Foam Injection Systems
- Air Compressors
- Jib Boom Hoist
- Swing-Out Under Body Auger Racks
- Rod Trough
- Rod Loader
- Water Tanks
- Driller/Helper Platforms
- Safety Cage Options
- Night Lights



Note: Above drilling capacities may vary according to sub-surface conditions, hoist capacity and rotary head option. Engineering specifications are theoretical, actual performance will be different, specifications are subject to change without notice.