

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
- 24 Foot Long Feed Stroke
- Retract Force: 24,500 lbs
- Pulldown Force: 18,400 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: 24 ft [7.3 m], Optional 14 ft [4.3 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

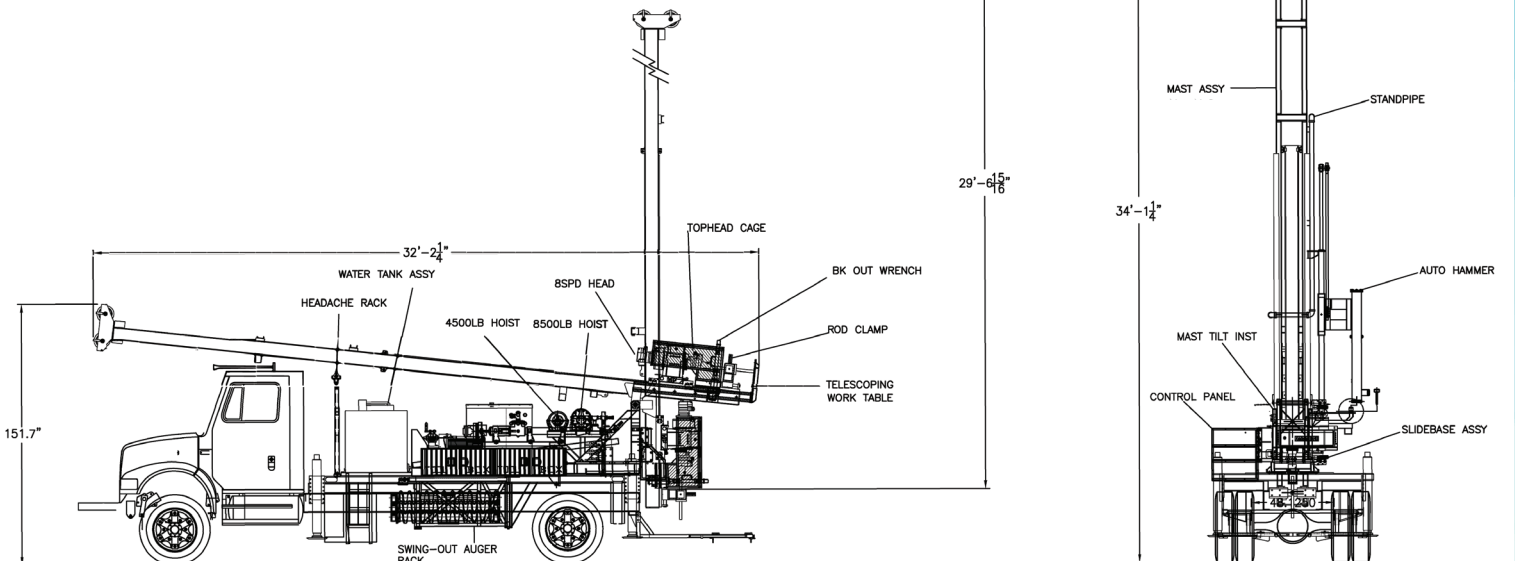
Main - Single Line Capacity: 12,000 lbs [5,443 kg]
Main - Single Line Capacity: 8,500 lbs [3,856 kg]
Auxiliary - Single Line Capacity: 4,500 lbs [2,041 kg]
Safe-T-Driver/Wireline: 900 lbs [408 kg]
Wireline Hoists - A Wide Variety Available
 Line Capacities from 700 ft [213 m] to 7,500 ft [2,286 m]

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.