

Mobile Drill Intl

HELPING YOU BUILD OUR WORLD SINCE 1947

Hydraulic Drill

B29



MULTI-PURPOSE

THE TRUE MULTIPURPOSE DRILL FOR GEO-ENVIRONMENTAL WORK

HOLLOW STEM • SPT • CORING • ROTARY • DTH

B29 Drilling Features

- Investigator Series drill rig mounts easily on a truck with less than 20,000 lb GVWR or weighs less than 14,000 lb or less on tracks.
- 4,150 ft-lb of torque & 784 rpm delivered by the 4-speed rotary head assures that (SPT) test borings & rock cores are recovered efficiently & at a lower cost than with larger rigs.
- Add the adjustable mast extension to upgrade from the standard 6.5 ft stroke to the 13 ft stroke & you've increased down hole productivity by handling longer core barrels & casing.



PERFORMANCE SPECIFICATIONS

Hydraulic Feed System

- Pulldown Force:** 9,753 lbs [4,424 kg]
- Retract Force:** 9,679 lbs [4,390 kg]
- Feed Down Speed:** 0-59 ft/min [0-18 m/min]
- Feed Retract Speed:** 0-98 ft/min [0-30 m/min]
- Feed Stroke:** 6.5 ft [1.98 m], Optional 13 ft [3.96 m]

Power Unit

- Deck Engines:** John Deere, Cummins, Deutz Diesel
- PTO:** Transmission Transfer Case

Drill Head Rotary

- 4 Speeds
- 2 Speed Planetary, 2 Speed Hydraulic Motor
- No Chains, No Right Angle Drive

Maximum Rotary Speed: 770 rpm
Maximum Torque: 4,200 ft-lb [5,694 Nm]

Hoist Options

- Main - Single Line Capacity:** 4,500 lbs [2,041 kg]
- Auxiliary - Single Line Capacity:** 3,000 lbs [1,361 kg]
- Safe-T-Driver/Wireline:** 900 lbs [408 kg]

Optional Equipment

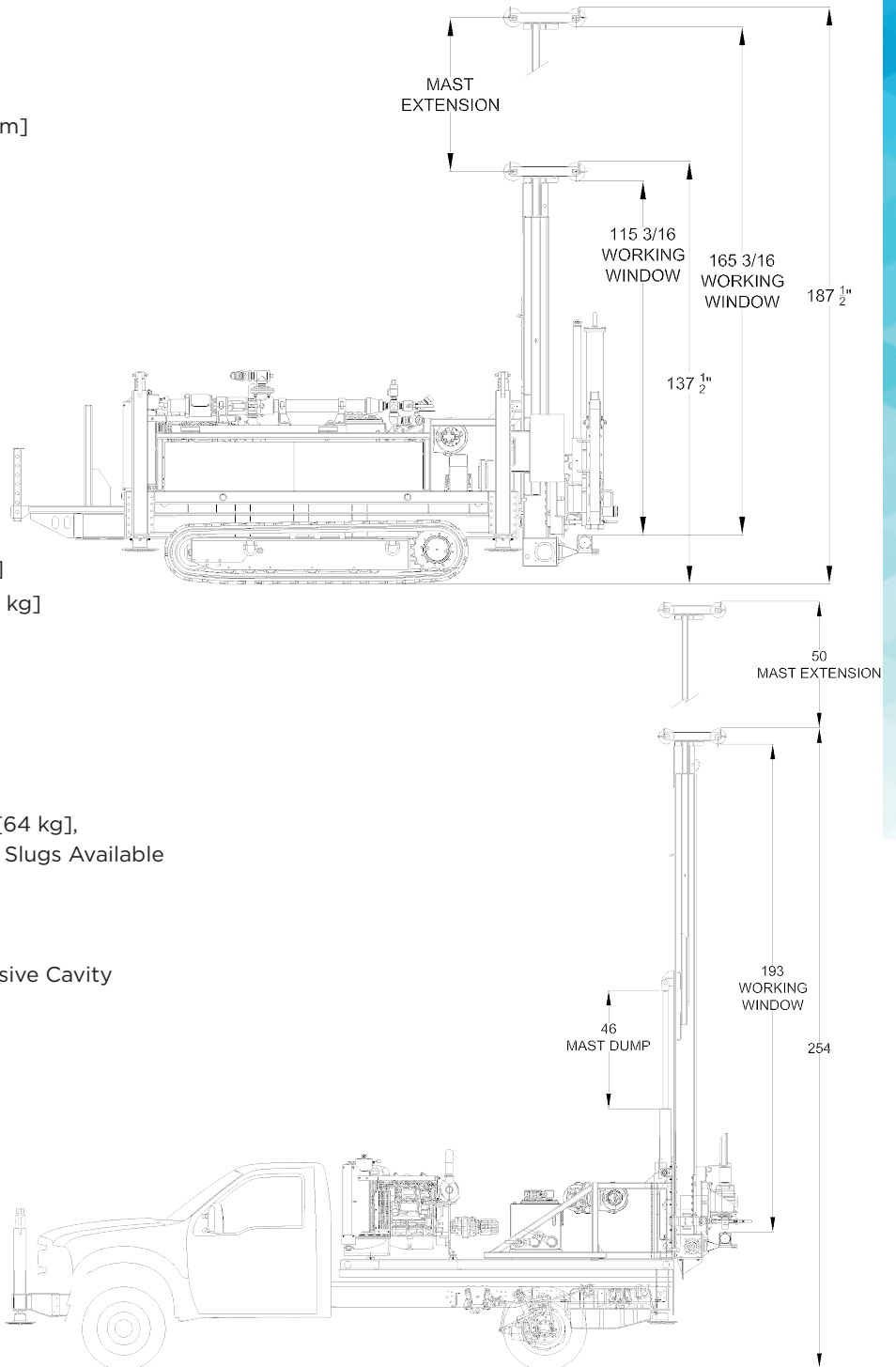
- Angle Drilling
- Mast Dump (Vertical Mast Slide)
- In-Out & Sideways Slide Base
- SPT Automatic Hammer, ASTM D-1586, 140 lb [64 kg], 170 lb [77 kg], 300 lb [136 kg], 340 lb [154 kg] Slugs Available
- Custom Breakout Table Designs
- Make/Break Double Rod Clamp System
- Hydraulic Breakout Wrench
- Water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

Carrier Mounting Options

Truck (4x2, 4x4), Rubber Track Carrier, Trailer

Estimated Operating Capacities

- Hollow Stem Augers:** to 100 ft [30 m]
- Continuous Flight Augers:** 6 in [152 mm] OD: 125 ft [38 m]
- Rotary Drilling:** 2-5/8 in [67 mm] OD Drill Pipe: 300 ft [91 m]
- Diamond Core Drilling:** N Wireline: 300 ft [91 m]
- Reverse Circulation:** 3-3/4 in [95 mm] CIP Drill Pipe: 150 ft [46 m]



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.