



Mobile Drill Intl

YOUR DRILL RIG SALES AND SERVICE EXPERTS SINCE 1947

B37

Compact Hydraulic Drill

Multi-purpose Rig



**Geothermal
Geotechnical
Environmental
Mineral Exploration**

DTH • Rotary • Coring

B37 Drilling Benefits

- Small footprint - Big drill ROI
- Retract force: 15,700 lbs [7,121.4 kg]
- Pulldown force: 11,700 lbs [5,307 kg]
- 2-Speed rotary head options:
 - Low Speed - 0-79 rpm [0-8.27 rad/s] @ 3,600 ft-lbs [4,880.9 Nm] torque
 - High Speed - 0-158 rpm [16.6 rad/s] @ 1,800 ft-lbs [2,440.5 Nm] torque
- 10-Speed rotary head options:
 - Standard Head - 8,600 ft-lbs [11,660 Nm] and 837 rpm [87.7 rad/s]
 - High Speed - 1,060 rpm [111 rad/s]

B37 **Compact Hydraulic Drill**

PERFORMANCE SPECIFICATIONS

Hydraulic System

Tandem piston pumps @ 3,600 psi [248 bar]
60 Gal [227 l] hydraulic oil tank
Hydraulic oil cooler

Feed System

Pulldown force: 11,700 lbs [5,307 kg]
Pulldown speed: 0-100 ft/min [30.5 m/min]
Retract force: 15,700 lbs [7,121.4 kg]
Retract speed: 0-80 ft/min [24.4 m/min]
Feed stroke: 6 ft [1.83 m] or 13 ft [3.96 m]

Power Unit

Diesel Engine: Deutz 95 hp [70.8 Kw],
or Cummins 99 hp [73.8 Kw],
or John Deere 99 hp [73.8 Kw]
PTO: Transfer case, cotta box, transmission

Drill Head Rotary Options

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)

DTH: 5-1/8 in [130 mm] OD bit and 3-1/2 in [89 mm]
OD drill pipe to 800 ft. [243 m]

Reverse Circulation: 4.5 RC drill pipe to 400 ft. [122 m]

Hollow Stem Auger: 3-1/4 in [83 mm] ID to 175 ft [53 m]

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

Rotary Drilling: NW drill rod to 1,500 ft [457 m]

Diamond Core Drilling: N Wireline to 1,600 ft [487 m]

Note: Above drilling capacities may vary according to subsurface conditions, hoist capacity and drilling medium gpm and psi.

Hoist

MAIN—SINGLE LINE CAPACITY: 8,500 lbs [3,855.5 kg]

Line speed: 0-75 fpm [22.9 m/min]

Cable diameter: 1/2 in (.500) [12.7 mm]

Cable length: 100 ft [30.5 m]

AUXILIARY—SINGLE LINE CAPACITY: 4,500 lbs [2,041 kg]

Line speed: 0-135 fpm [41.2 m/min]

Cable diameter: 5/16 in (.325) [8.3 mm]

Cable length: 100 ft [30.5 m]

WIRELINE—SINGLE LINE CAPACITY: 1,200 lbs [544.3 kg]

Line speed: 0-500 ft/min [152.4 m/min]

Cable diameter: 3/16 in (.185) [4.7 mm]

Cable length: 400 ft [121.9 m]

Winch capacity: 3,500 ft [1,067 m]

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]

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

Optional Equipment

Mast: 9 ft 10 in [3 m], or 17 ft 10 in [5.4 m], or 23 ft 6 in [7.2 m]

In-out slide base/Side-to-side slide base

10 ft [3.05 m] Low overhead height

Probe Hammer, Single rod loader, Breakout table, Rod clamp,
Break-out wrench, Make and break rod clamp

Leveling Jacks

Single front/dual rear, 36 in [914 mm] stroke

Mounting Options

Truck, trailer, tractor, dozer, track carrier, or skid

NOTE: Engineering specifications are theoretical, actual performance will be different, specifications are subject to change without notice.

