



**Mobile Drill**<sub>Intl</sub>  
Mechanical Drill

# B57

The B57 Mechanical Drill is one of Mobile Drill's most versatile drills. Used in Rotary, Continuous Flight, Hollow Stem, and Diamond Core applications, the B-57 offers maximum reliability and great flexibility for all of your drilling needs.



Rig Source is proud to offer these and other amazing rigs from Mobile Drill as part of North America's largest rental fleet.



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## Mobile Drill Intl B-57 Specs:

### Hydraulic Feed System

**Pulldown force:** 20,000 lbs [9,072 kg]

**Retract force:** 30,000 lbs [13,608 kg]

**Feed speed, down:** 62 ft/min [18.8 m/min]

**Feed speed, retract:** 41 ft/min [12.4 m/min],  
**Rapid:** 80 ft/min [24.3 m/min]

**Feed stroke:** 6 ft [1.83 m]

### Power Unit

**Diesel Engine:** John Deere, 125 HP (93 kW)

*\*Other engine options available*

### Right Angle Drive

Single speed heavy-duty right-angle drive with tapered roller bearings and a ring gear and pinion. All bearings and gears are lubricated through an oil bath.

2 in. [50.8 mm] hardened output shaft with flex chain coupling to a 1-3/4 in. sq. [44.5 mm] kelly bar.

### Drill Head Rotary

- Total enclosed "dry box" with tapered roller bearings.
- 1-3/4 in. [44.5 mm] heat treated alloy steel kelly drive bar.
- 3-1/4 in. [82.6 mm] ID hollow spindle

### Maximum torque and Maximum rpm (engine specific):

#### HIGH TORQUE OPTION:

**John Deere** - 1st gear: 11,420 ft-lb [15,483 Nm]  
6th gear: 672 rpm

#### HIGH SPEED OPTION:

**John Deere** - 1st gear: 8,000 ft-lb [10,846 Nm]  
6th gear: 960 rpm

### SPT Automatic Hammer

140 lb [63.5 kg]

### Leveling Jacks

Dual front/rear, 36 in [914.4 mm] stroke

### Estimated Operating Capacities

**Hollow stem augers,** 4-1/4 in [108 mm] ID: 250 ft [76 m]

**Continuous flight auger,** 6 in [152.4 mm] OD: 300 ft [91 m]

**Rotary drilling,** NWJ/NW drill rod with 5 in [127 mm] OD bit:  
1,500 ft [457 m]

#### Diamond core drilling:

N wireline: 1,600 ft [487 m]

H wireline: 1,100 ft [335 m]

P wireline: 730 ft [222 m]

**Note:** Above drilling capacities may vary according to subsurface conditions, hoist capacity and rotary head option.

### Hoist

**MAIN-SINGLE LINE CAPACITY:** 8,500 lbs [3,855.54 kg]

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

**SAFE-T DRIVER HOIST-SINGLE LINE CAPACITY AVAILABLE**

**WIRE LINE HOIST:** 700 ft [213 m]

### Optional Equipment

- Mast: 20 ft [6 m], 25 ft [7.6 m], or 30 ft [9.1 m]
- In-out slide base/Side-to-side slide base
- Rod clamp, manually positioned, 1-7/8" [41.3 mm] through 8-1/4" [209.6 mm]
- Rod clamp, hydraulically positioned, 1-3/8" [34.9 mm] through 5-7/8" [149.2 mm]
- Drive tool quick change adapters
- Wide selection of auger/rod racks
- Top mount water/air swivels for rotary and coring
- 2" [50.8 mm] Standpipe
- Water pumps - piston, centrifugal and progressive cavity
- Break-out wrench, hydraulic activated
- Driller/helper platforms
- Safety Cage options
- Work Lights

### Mounting Options

Truck, trailer, track carrier

