



DIEDRICH DRILL

D-50

Truck-mounted Drill Rig

The Diedrich Drill D-50 is a premium, all-purpose drill rig for the geotechnical and environmental drilling industry. When it's matched with Mack's most popular mid-sized chassis, the MD7, it becomes a grab-and-go rig ready to rock and roll wherever you need it.



Also available in a D-70/MD7 package — contact us to find out more!



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Diedrich Drill D-50 Specs:

Power Source

Diesel Engine: John Deere, Tier 4, 125 HP (93 kW)

Maximum Gross Spindle Torque:

1st Gear: 5,103 ft.-lb. to 9,012 ft.-lb.

Spindle Bore:

3½" (89 mm)

Push and Retract Force:

Up – 22,581 lbs. (100 kN)

Down – 14,453 lbs. (64 kN)

Maximum Spindle Speed:

1st Gear: 58 RPM

4th Gear: 909 RPM

Rotary Box:

#80, triple strand roller chain drive, totally enclosed and running in oil

Clutch and Transmission:

13" (330 mm) clutch with heavy-duty helical gear transmission with 4 forward gears, one reverse gear

Mack MD7 Specs:

- Cummins 6.7L inline 6-cylinder turbo/intercooled diesel engine
- 260HP @ 2600 RPM, 660LB LB-FT torque
- Allison 2500 HS 6-speed transmission
- GVW: 33,000 lbs.
- 50-gallon fuel tank
- Cab air suspension
- Full-width aluminum grated steps for easy entry and egress, horizontally offset for visibility
- Frame rails rated at 120,000 psi yield strength
- Passenger door lower peep window

Right Angle Drive:

Heavy-duty gear box totally enclosed and running in oil

Tower:

Hydraulic hinged sheave assembly

21-ft Heavy Duty Mast

Frame and Base:

The drill frame is a weldment constructed of heavy wall rectangular steel tubing with sufficient strength and rigidity for heavy duty use. The hydraulically operated slide base has 16" of forward/reverse travel and 10" of side-to-side movement to provide clearance for hoisting tools.

Additional Features:

- Detent feed with rapid retract
- 3,000 lb tool winch with brake and cable tensioner
- 7,000 lb tool winch with brake and cable tensioner
- Wireline winch
- Side to side wiggle tail
- 3L6, 2-speed water pump and water tank
- 140# Automatic SPT hammer – side cylinder mount
- Upper spindle adapter (NWJ/4-1/4 box/NWJ)
- Lower Spindle adapter (4-1/4 Pin/U-joint/J" Hex Box)
- Rod Holder
- Breakout Wrench

