

# DIEDRICH DRILL



## Heavy-Duty, High-Capacity, All-Purpose Drill Rig



The D-90 is a large, heavy-duty multi-purpose drill rig used for soil and rock sampling for both geotechnical, exploration and environmental investigations using augers, mud rotary or core drilling tools. With various mounting and drill options available, the D-90 is one versatile drill rig!

**DIEDRICH DRILL**

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LaPorte, Indiana 46350  
Website: [www.diedrichdrill.com](http://www.diedrichdrill.com)

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**Power Source:**

John Deere, 4 Cylinder Turbo Diesel, Liquid Cooled  
125 HP, with Tier 4 Emissions

**Maximum Gross Spindle Torque:**

1st Gear  
12,428 ft. lbs. (16,850 NM)

**Spindle Bore:**

3 1/2" (89mm)

**Push and Retract Force:**

Up - 32,515 lbs. (145 kN)  
Down - 21,450 lbs. (95 kN)

**Maximum Spindle Speed:**

1st Gear - 70 to 78 RPM\*  
5th Gear - 566 to 630 RPM\*

**Rotary Box:**

#100 triple strand chain drive that is totally enclosed and running in oil

**Clutch and Transmission:**

13" (330 mm) clutch with heavy-duty helical gear transmission with 5 forward gears and 1 reverse gear

**Right Angle Drive:**

Heavy-duty gear box totally enclosed and running in oil

**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 sliding base has 16" (406 mm) of forward/reverse travel and 6" (152 mm) of side-to-side movement to provide clearance for hoisting tools and can be mounted on any flat,adequate size surface.

*\* Varies with engine choice and rotary box gear ratio.*



# Specifications



**Optional Equipment:\*\***

- Low Overhead Clearance Feed Frame
- Cathead Hoist and/or Automatic SPT Hammer
- Hydraulic Hoists - 800 lbs. Through 10,000 lbs.
- Water Pumps and/or Water Tank
- Rod Holder and/or Breakout Wrench

*\*\* If you dont see an option you need, just ask!*

