The D-50 is our premiere, all-purpose drill rig for the environmental and geotechnical drilling industry. With up to 9,100 ft lbs of spindle torque, it can power through most any job! Whether it is the D-50’s ability to be mounted on a variety of carriers, or its superior drilling capability with augers, soil sampling, coring or probing, you can be sure you have a versatile drill that has the ability to get you where you need to go and the power to get the job done!
Power Source:
John Deere, 4 Cylinder Turbo Diesel, Liquid Cooled
115 HP with Tier 4 Emissions

Maximum Gross Spindle Torque:
1st Gear and Reverse
4,316 ft. lbs.* to 9,000 ft. lbs.* (5,842 NM to 12,200 NM)

Spindle Bore:
3 1/2” (89mm)

Push and Retract Force:
Up - 22,581 lbs. (100 kN)
Down - 14,453 lbs. (64 kN)

Maximum Spindle Speed:
1st Gear - 95 RPM*
4th Gear - 600 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 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.

* Optional High-Speed Rotary Box Available

Optional Equipment:**
Low Overhead Clearance Feed Frame
Cathead Hoist and/or Automatic SPT Hammer
Hydraulic Hoists - 800 lbs. Through 7000 lbs.
Water Pumps and/or Water Tank
Rod Holder and/or Breakout Wrench
Hydraulically Operated Chuck

** If you don't see an option you need, just ask!

Track Mount: ***
7’ 9” Width
19,800 lbs.
16” Ground Clearance
24” Track Width
4.0 PSI of Ground Pressure

Truck, ATV, Skid and Trailer Mount: ***
Slide Base Up Width: 38”

5 Fisher Street
LaPorte, Indiana 46350
Phone: 800-348-8809
Local: 219-326-7788
Fax: 219-324-5962
Website: www.diedrichdrill.com

*** weights and measurements are approximate and subject to change