

Power Source: Gasoline or Diesel Engine
Maximum Gross Spindle Torque: 18,650 ft. lbs. (25,288 Nm)
High Torque: 21,500 ft. lbs (29,152 Nm)
Spindle Bore: 3-3/4" (95mm)
Spindle Travel: 72" (1830 mm)
Spindle & Retract Force Up: 30,000 lbs. (133 kN)
Spindle & Retract Force Down: 20,200 lbs. (90 kN)
Spindle Speed: 1st gear low range 64 rpm
 5th gear high range 1104 rpm

Rotary Box: The rotary box utilizes a two-speed all-gear drive with 8620 heat treated high precision gears and tapered roller bearings. The all-gear drive runs in SAE 90W gear oil
Clutch and Transmission: 13" (330mm) clutch with a heavy-duty helical gear transmission with 5 forward gears and 1 reverse

Right Angle Drive: heavy duty spiral bevel gear box totally enclosed and running in oil
Frame & Base: The drill frame is a weldment constructed of heavy wall rectangular steel tubing with sufficient strength and rigidity for heavy duty use. A hydraulically operated sliding base provides 20" (508mm) of travel to provide clearance for hoisting tools. The sliding base can be mounted on any flat surface of adequate size. Hydraulic system oil is supplied by a heavy-duty two-section gear type pump rated at a 23 gpm (87l/min) and 28 gpm (106l/min) at 2800 rpm. Maximum operating pressure is 2,250psi (15,525 k Pa).

The D-120 is an all purpose drill rig powerful enough to handle the large diameter hollow stem augers, yet versatile enough to drill efficiently on smaller auger jobs, rotary, and core jobs. The D-120 is rated to 350 ft. (107m) with 6-1/2" (165 mm) augers and 2000 ft. (610 m) with NW series core tools.

Various Options Available:

- Cathead
- Slide Base
- Side to Side Slide
- Hydraulic Auger Storage Rack
- Hydraulic Hoists
- Water and Mud Pumps
- Mast with Quick Disconnect for 20ft (6.1m) and 25ft (7.6m) pulls
- Leveling Jacks
- Various Drill Platforms
- Tool Boxes & Auger Boxes
- Water Tank
- Manual or Hydraulic Chuck
- Hydraulic Breakout Wrench & Table
- Bumper & Brush Guard
- Operators Platform
- Rod Rack Under Water Tank
- Vertical Drop Hammer
- Automatic SPT Hammer
- Fluted Kelly
- Cathead Brake
- Carrier Mast Safety Interlock System (US Patent No. 5,647,442)
- Drillers Safety Barrier (US Patent No. 5,360,072)
- Alternator Spindle Motor (US Patent No. 5,524,713)

