

DD-440



Surface-launched

Fluid-assisted

Optimum power

Reliable innovation

Trailer mounted

Great for mid-sized utility construction and pipeline projects

Features and Benefits

- (2) Caterpillar® C-11 385 HP (292.2 kW) each Diesel Engines
- 440,000 lbs. (200 Tonnes) of Maximum Thrust/Pullback Power
- 60,000 ft-lbs. (81,350 Nm) of Maximum Rotary Torque
- Rack & Pinion (2) Pinion Drive with Adjustable Force Limiter
- Triple Jaw Wrench with 12 in. (305 mm) Separation
- Wrench Travels Full Length of the Thrust Frame
- Hydraulically Operated Pipe Supports
- 4 in. (102 mm) Fluid Course permits 1,000 U.S. Gallons (3,785 L)/per minute flow
- Accommodates Range II Drill Pipe
- 10° - 18° Variable Drilling Angle
- Floating Spindle™ Allows Simple Makeup and Breakout
- Dedicated Pumps for Rotary & Thrust
- Adjustable Torque Limiter for Rotary and Makeup Force
- Run-On-One-Technology-System (ROOTS) capable

Technology Spotlight: Wiggle Steer

The *Wiggle Steer System* provides the operator of a directional drill the means to rotate the drill pipe and subsequently the cutting head on the drill string back and forth over a predetermined range. This back and forth motion would cause the hole made by the cutting head to be more open in a particular direction and therefore facilitate steering of the drilling pipe in that direction under ground.

The Wiggle Steer System will rotate the Drill Pipe in the Makeup (CW) direction while thrusting forward. It will then rotate the Drill Pipe in the Breakout (CCW) direction but will not thrust in the breakout direction. This method reduces the breakout torque and should prevent the drill string tool joints from parting down-hole.