

## Redbore 50MDUR

The Redbore 50MDUR, has been specifically designed to provide upreaming capabilities (blind hole) while maintaining a low profile. This latest raisedrill offers:

- More accurate and efficient transfer of power
- Multi-directional raiseboring capabilities (conventional and upreaming)
- Retractable wrenching arm
- Lay-down rod handler
- Less power required during operation
- Up-to-date, proven, field-tested technology

### Nominal capacities range from:

Upreaming: 28.5 in. (725 mm) – 5.0 ft. (1.52m) diameter with lengths up to 98.4 ft. (30 m). Conventional: 42 in. (1.07 m) – 7.0 ft. (2.13m) with lengths up to 600 ft. (183 m).

### Dimensions

Extended Height	158-3/16" (4.018 m)
Retracted Height	158-3/16" (4.018 m)
Transport Length *	155-9/16" (3.951 m)
Transport Width *	94-1/2" (2.40 m)
Transport Height *	75-13/16" (1.926 m)
Transport Weight *	31,000 lbs (14 061 kg)

\*(excluding base plates/pipe loader/erector)

### Thrust System

Thrust System Type	Hydraulic Cylinders
Maximum Pilot Hole Force	50,000 lbs (222 kN)
Maximum Reaming Force	300,000 lbs (1 335 kN)
Operating Pressure	4,000 psi (275.79 Bars)

### Rotation System

Rotation System Type	AC Drive 125 hp Electric Motor
Pilot Hole rpm	0 - 80 Variable
Pilot Hole Torque	15,000 ft-lbs (20.3 kN.m)
Reaming rpm	0 - 10 Variable
Reaming Torque	68,000 ft-lbs (92.1 kN-m)
Makeup Torque	78,745 ft-lbs (106.3 kN-m)
Breakout Torque	90,091 ft-lbs (122.1 kN-m)

### Drill String

Raise Angle Range	45° to Vertical
Pilot Hole Diameter	11" (279 mm)
Drill Pipe Diameter	10" (254 mm)
Drill Pipe Length	36" (.91 m) or 60" (1.52 m)

(Hydraulically operated table wrench)

