

## Redbore 40

The Redbore 40 raisedrill is a small compact drill designed primarily for production slot programs. The drill can be configured for downreaming Redbore 40-SDR. Nominal capacities range from 28.5 in. (724 mm) up to 5 ft. (1.52 m) diameter with lengths of raise up to 500 ft. (152 m).

### Dimensions

Extended Height	139-13/16" (3.55 m)
Retracted Height	119-5/8" (3.04 m)
Transport Length *	118-1/4" (3.00 m)
Transport Width *	55-3/4" (1.42 m)
Transport Height *	53-1/2" (1.40 m)
Transport Weight *	11,556 lbs (5 253 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	230,000 lbs (1 023 kN)
Maximum Operating Pressure	3,000 psi (20 684 kPa)

### Rotation System

Rotation System Type	Hydraulic Motor
Pilot Hole rpm	0 - 80 Variable
Pilot Hole Torque @ 40 rpm	5,000 ft-lbs (6.78 kN.m)*
Reaming rpm	0 - 12 Variable
Reaming Torque @ 9 rpm	33,750 ft-lbs (45.75 kN.m)*
Makeup Torque	38,000 ft-lbs (51.5 kN.m)
Breakout Torque	42,000 ft-lbs (56.9 kN.m)*
Operating Pressure	3,000 psi (20 670 kPa)

\*(values calculated at 90% efficiency)

### Drill String

Raise Angle Range	55° to Vertical
Pilot Hole Diameter	228 mm x 121.92 m
Drill Pipe Diameter	8" (203.2 mm)
Drill Pipe Length	60" (1.52 m) s/s

(Hydraulically operated upper and lower rod wrench)

