

Redbore 100

The Redbore 100 is the most powerful drill ever manufactured while maintaining the low profile of all the Redbore series of drills. Nominal capacities range from 12.0 ft. (3.66 m) up to 26.0 ft. (8.0 m) diameters with lengths of raises up to 3280 ft. (1000 m).

Dimensions

Extended Height	297" (7.54 m)
Retracted Height	217" (5.52 m)
Transport Length	213" (5.41 m)
Transport Width	103" (2.62 m)
Transport Height	135" (3.43 m)
Transport Weight *	160,000 lbs (72 575 kg)

*(excluding base plates/pipe loader/erector)

Thrust System

Thrust System	Hydraulic Cylinders
Maximum Pilot Hole Force	150,000 lbs (667.2 kN)
Maximum Reaming Force	3,500,000 lbs (15,569 kN)
Operating Pressure	5,000 psi (34 474 kPa)

Rotation System

Rotation System Type	AC Drive 600 hp Electric Motor
Pilot Hole rpm	0 - 64 Variable
Pilot Hole Torque	55,150 ft-lbs (75 kN.m)
Reaming rpm	0 - 9 Variable
Reaming Torque	535,000 ft-lbs (725.36 kN.m)
Makeup Torque	750,000ft-lbs (1017kNm)*
Breakout Torque	770,000 ft-lbs (56.9 kN.m)
Operating Pressure	5,000 psi (34 474 kPa)

Drill String

Raise Angle Range	55° to Vertical
Pilot Hole Diameter	17 1/2" (445 mm)
Drill Pipe Diameter	14-1/2" (368.3 mm)
Drill Pipe Length	84" (2.13 m)

(Hydraulically operated upper and lower rod wrench)

