

Redbore 50

The Redbore 50, has been designed as a mid-capacity drill to replace much larger equipment. The Redbore 50 has the same footprint as the Redbore 40 and requires only slightly more back height. The Redbore 50 can be configured to downstream 28.5 in. (724 mm) diameter through the table. Nominal capacities range from 42 in. (1.07 m) up to 7.0 ft. (2.13 m) diameters with lengths of raises up to 600 ft. (183 m).

Dimensions

Extended Height	156-1/8" (3.97 m)
Retracted Height	119-5/8" (3.04 m)
Transport Length *	119-5/8" (3.04 m)
Transport Width *	55-3/4" (1.42 m)
Transport Height *	52-1/2" (1.33 m)
Transport Weight *	15,705 lbs (7 139 kg)

*(excluding base plates/pipe loader/erector)

Thrust System

Thrust System Type	Hydraulic Cylinders
Maximum Pilot Hole Force	80,000 lbs (358.4 kN)
Maximum Reaming Force	400,000 lbs (1 779.3 kN)
Maximum Operating Pressure	4,000 psi (27 579 kPa)

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 - 12 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)
Operating Pressure	4,500 psi (31 026 kPa)

Drill String

Raise Angle Range	45° to Vertical
Pilot Hole Diameter	11" (279 mm)
Drill Pipe Diameter*	10" (254 mm)
Drill Pipe Length	58" (1.47 m) s/s

* (Optional Drill Pipe - 8" (203 mm)
(Hydraulically operated lower rod wrench)

