

Redbore 70

The Redbore 70 is a powerful raisedrill which has been designed to fit in low back height excavations. The Redbore 70 can be configured to complete 4.0 ft. (1.22 m) diameter downreaming through the table. Nominal capacities range from 5.0 ft. (1.51 m) up to 13.0 ft. (4 m) diameters with lengths of raises up to 1000 ft. (300 m).

Dimensions

Extended Height	193" (4.90 m)
Retracted Height	134-5/16" (3.41 m)
Transport Length *	119-1/2" (3.04 m)
Transport Width *	73-1/4" (1.86 m)
Transport Height *	91-3/4" (2.33 m)
Transport Weight *	50,500 lbs (22 906 kg)

*(excluding base plates/pipe loader/erector)

Thrust System

Thrust System Type	Hydraulic Cylinders
Maximum Pilot Hole Force	150,000 lbs (667.2 kN)
Maximum Reaming Force	1,017,876 lbs (4 527.5 kN)
Operating Pressure	4,500 psi (31 026 kPa)

Rotation System

Rotation System Type	Dual Hydraulic Motors
Pilot Hole rpm	0 - 62 Variable
Pilot Hole Torque	35,845 ft.-lbs (33.9 kN.m)
Reaming rpm	0 - 8 Variable
Reaming Torque	240,100 ft.-lbs (325 532 Nm)
Makeup Torque	258,000 ft.-lbs (349 800 Nm)
Breakout Torque	258,000 ft.-lbs (349 800 Nm)
Operating Pressure	4,500 psi (31 026 kPa)

Drill String

Raise Angle Range	45° to Vertical
Pilot Hole Diameter	13.75" (350 mm)
Drill Pipe Diameter*	12-7/8" (327 mm)
Drill Pipe Length	60" (1.52 m) s/s

*(Optional Drill Pipe - 11-1/4" (286 mm))

