



RUC CEMENTATION MINING CONTRACTORS

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MODEL 53R ROBBINS RAISEBORE MACHINE

Raise Size	-	1.1m – 1.8m
Blind Box Hole Diameter	-	1.1m – 1.8m
Raise Length	-	60 meters (Blind Box Hole)
Pilot Hole Diameter	-	12¼" Tri-cone bit size
Drive	-	
Drive Type	-	Hydraulic Drive
Drive Speeds	-	2 – 13 rpm
Ream Speeds	-	4 – 26 rpm
Pilot Thrust	-	150 tonnes
Reaming Pull	-	340 tonnes at 27.5 MPA (max)
Weight	-	12,000 kg
Transport Means	-	Sled
Vertical Drilling	-	2.9 m (retracted) / 3.65 m (extended)
Dip Angle Limit	-	90° to 45° from horizontal
Power Requirements	-	190 kW, 256 kVA, 3 phase, 50Hz
Water Consumption	-	8 litres per second (Blind Box Hole) and 40 litres per second (Raiseboring). Water is recycled through settling sumps.