

StopeMate Series Production Drill

	METRIC SYSTEM	U.S. CUSTOMARY SYSTEM
HYDRAULIC POWERPACK (Air Operated)		
Radial Piston Air Motor	22 kW	30 hp
Tandem gear pump	68 L/min	18 gpm
Return oil filter	10 micron	
Main reservoir	98 litres	26 gallons
Oil lubricator (rock drill)Secan F61	9 litres	2 gallon

MINIMUM REQUIREMENTS TO DRILL

Air Flow @90 psi	16 m ³ /min	575 cfm
Water Flow	38 L/min	10 gpm

NOTE: Higher water flow is required on deeper, larger diameter downholes

CARRIER

4 wheel skid steer

Gradeability- 30%

4 wheel independent drive and braking (SAHR) system

Solid rubber tires on steel rims

Motion control valving for precise control, even over rough terrain

Quick disconnect brakes for easy towing

DRILL POSITIONER

Dump	+10° to -45° movement via hydraulic cylinder c/w lock valve and mechanical expanding pivot pins	
Traverse	side to side travel	1.219 m 48 in
	adjustable pads to compensate for wear	
	movement via hydraulic motor driven feed screw	
	heavy duty rotation slew bearing driven by hydraulic cylinder for 90° traverse rotation	
Rotation	dual hydraulic rack and pinion rotary actuator c/w manual locking system for 360° rotation	

STABILIZERS

4 hydraulic cylinders

Stroke	0.38 m	15 in
Lift	0.18 m	7 in

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ROCKDRILL FEED SYSTEM		
MKV series feed assembly c/w:	Aluminum feed shell with rotary screw drive	
	Integral cushions at end of travel	
	Pneumatic opposed piston type centralizer	
	Manual feed crowd	
CONTROLS		
Direct acting feed positioning controls		
Pivoting tramming control arm		
ROCKDRILL		
S36IR - see S36IR Hydraulic Rock Drill Tech Data		
OPTIONS		
Traverse travel (center line to center line)	.76 m, .91 m, 1.52 m	30 in, 36 in, 60 in
Laser hole alignment system		

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DIMENSIONS AND WEIGHTS

Overall Weight: 3750 kg (8250 lb)

Raise Transport - Undercarriage (largest module only)

Length: 2794 mm (110 inches)

Width: 1220 mm (48 inches)

Height: 813 mm (32 inches)

Weight: 1795 kg (3950 lb)

Cage Transport: Traverse rotates 90° to reduce width for cage transport.

Minimum Parallel Hole Drilling Height

"A"

Drill Steel Size:	1.22 m (4 ft) Rod Change (Standard)	2743 mm (108 in)
	0.91 m (3 ft) Rod Change	2438 mm (96 in)
	1.52 m (5 ft) Rod Change	3048 mm (120 in)

Ring or Fan Drilling Envelope

"B"

Drill Steel Size:	1.22 m (4 ft) Rod Change (Standard)	2463 mm (97 in)
	0.91 m (3 ft) Rod Change	2247 mm (88 in)
	1.52 m (5 ft) Rod Change	2769 mm (109 in)

Machine Width "C"

Overall

Centre to Centre Drill Movement

Standard Traverse:	1677 mm (66 in)	1219 mm (48 in)
Optional Traverse:	1219 mm (48 in)	761 mm (30 in)

"A", "B" and "C" - see following page for drawings.

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