

# RAISE BORE DIVISION ATLAS COPCO EASER L

FAST.
EFFICIENT.
BESPONSIVE

### 1000V HYDRAULIC DRIVE MACHINE

The Atlas Copco Easer L is a compact dual purpose rig specifically designed to drill both conventional rises and boxhole slot rises while maintaining a low profile.

The rig is capable of drilling production slot rises in block cave, sub-level caving and sub-level stoping mines in addition to precondition holes, paste fill holes, drain holes and escape ways.

#### **FEATURES**

- Capable of reaming 750mm up-hole slots, 750mm down-hole slots and 1.1m conventional rises for escape ways with deviation less than 1%
- Wheel-bound, making it exceptionally easy to move between drill sites
- Requires no site preparation or concrete foundation
- Designed to keep a high level of safety no manual labour required to install the drill pipes, stabilisers or reamers. All moving and lifting is done with the crane within a 4m radius

#### INTEGRATED UNDERGROUND MINING SERVICES:

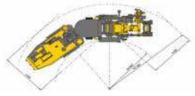
- Mine development
- Production mining
- Cable bolting, production drilling and ITH drilling
- Raise boring and specialist boxhole boring
- Shotcreting
- Plant and equipment hire



## Atlas Copco Easer L 1000V Hydraulic Drive Machine







OPERATIONAL		
Up-hole Slot Diameter	Diameter Length	750mm 60m
Conventional Ream Diameter	Diameter Length	750mm to 1.1m 60m
Down-hole Ream Diameter	Diameter Length	750mm 60m
Raise Angle	All Modes	60 degrees to vertical
Pilot Hole Diameter	Normal	9" (228mm)

TECHNICAL			
Rotation System	Туре	Hydraulic Drive	
Pilot Drilling Data	Pilot RPM Pilot Thrust	0 – 60RPM variable 600kN (134,885lbs)	
Reaming Data	Reaming RPM Reaming Thrust Reaming Torque Maximum Torque	0 – 30RPM variable 600kN (134,885lbs) 40kNm (29,502ft/lbs) 50kNm (36,878ft/lbs)	
Drill Pipe Data	Diameter Length s/s	HS 8" (203mm) 1.220m	

ELECTRICAL			
Power Supply	Main Supply Generator Transformer Supply Cable Size	1000V, 50hz 300Kva 250Kva 50mm²	
Power Pack Supply	Power Rating Full Load Current Starter Type Start Up Current Voltage	183kW (249Hp) 196A Soft Starter 260A 1000V	

CONSUMPTION		
Air Consumption	1 =	12m³/min @ 7 bar (300cfm @ approximately 100psi)
		Approximately 400 litres/min Approximately 60 litres/min

WATER PUMP		
Water Recycling	Pilot Drilling Water	On board water pump

RAISE BORE RIG		
	Length Tramming Width Tramming Turning Radius Height Extended Height Retracted Ground Clearance	3.450m 11.536m 2.828m 4,600m outer / 7,950m inner 5.773m (max) 4.306m (min) 250mm 35.620 tons
Transporter	Carrier	Atlas Copco L6 with built-in erection device



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