



RAISE BORE DIVISION ATLAS COPCO EASER L

AGILE.
EFFICIENT.
PROGRESSIVE.

1000V HYDRAULIC DRIVE MACHINE

The Atlas Copco Easer L is a compact dual purpose rig specifically designed to drill both conventional rises and boxhole slots 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

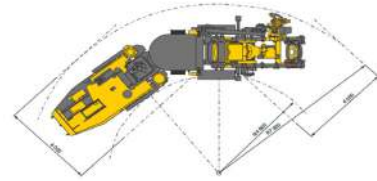
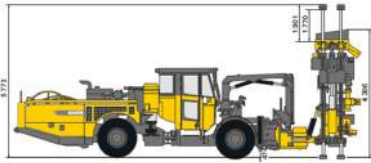
- Capable of reaming 750mm up-hole slots, 750mm down-hole slots and 1.1m conventional rises for escape ways with deviation less than 1%
- Wheel-bound, making it exceptionally easy to move between drill sites
- Requires no site preparation or concrete foundation
- Designed to keep a high level of safety - 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 and shaftlining
- 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, 1.1m and 1.4m 100m
Down-hole Ream Diameter	Diameter Length	750mm 60m
Raise Angle	All Modes	60 degrees to vertical
Pilot Hole Diameter	Normal	9" (228mm), 11" (279mm) and 12-1/4" (312mm)

TECHNICAL

Rotation System	Type	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 50mm ²
Power Pack Supply	Power Rating Full Load Current Starter Type Start Up Current Voltage	183kW (249Hp) 196A Soft Starter 260A 1000V

CONSUMPTION

Air Consumption	Pilot Drilling Air	12m ³ /min @ 7 bar (300cfm @ approximately 100psi)
Water Consumption	Pilot Drilling Water Cooling Water	Approximately 400 litres/min Approximately 60 litres/min

WATER PUMP

Water Recycling	Pilot Drilling Water	On board water pump
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RAISE BORE RIG

Dimensions	Height Tramming Length Tramming Width Tramming Turning Radius Height Extended Height Retracted Ground Clearance Weight	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