

Atlas Copco Exploration Products

Diamec™ core drilling rigs



Atlas Copco

DIAMEC U6 MCR

The Multi Carrier Rig from Atlas Copco

Atlas Copco is probably the most experienced core drilling company on the market today. Our expertise and innovative solutions have helped companies worldwide to profitable drilling.

Today, it's becoming more and more viable for easy to move around equipment. You don't want to spend time on moving from one drilling location to the next. You want to spend time on profitable drilling. With the new MCR concept, Atlas Copco can now offer you the ultimate underground core drilling rig. We have combined the latest in exploration technology from the Diamec™ range with the well proven Simba 1257 carrier. The Diamec U6 MCR is a complete core drilling machine from one supplier, the Atlas Copco group, with a worldwide presence and with the ability to support you for a profitable operation wherever you are.

Diamec U6 drill data

	Dim.	Vertical down
Depth cap.	A	960 m (3 200 ft)
	B	750 m (2 450 ft)
	N	570 m (1 900 ft)
Diameter	78 mm	(3,07")
Max speed	1 600 rpm	
Max torque	940 Nm	(695 lbf ft)
Feed/Pull force	65 kN	(14 600 lbf)
Feed lengths	1 800 mm	(71")

Data given is for standard version. See Diamec U6, Technical datasheet for available options.

- The long feed stroke, 1.8 m, gives you highest productivity.
- 75 kW electric motor driving two variable displacement hydraulic pumps.

- Feed cylinder has equal push and pull, ideal for underground drilling in all directions.
- The patented gas spring type of rodholder has long life cartridge.
- Rod tripping speed fast enough for conventional drilling.
- Pressure filters prevent system. contamination in case of hyd. pump failure.
- Extendible drill anchor pipes allow collaring of hole up to one meter away from feed frame.
- Hydraulic stingers used to keep feed frame stable.
- Wireline winch mounted on feed frame.
- The robust Simba 1257 carrier is levelled and stabilized with four jacks.
- Water pump mounted on carrier.
- Carrier has 80 m of 16 mm² trailing cable capacity.
- Powered by five cylinder air cooled Deutz diesel equipped with catalytic converter.

**Atlas Copco -
Geotechnical Drilling and Exploration**



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