



COP MD20

New generation, hydraulic rock drill for underground mine drifting applications. Hole range 33 – 64 mm (1 3/4" – 2 1/2")
Optimum hole diameter 45 mm (1 3/4")

 **Epiroc**

High performance long life reliability

A new generation of rock drills designed for long service life, high performance and reliable operation in underground mine drifting applications.

One part number conversion kit to fit existing 2000 and 6000 series feeds available

Sealed off mating surfaces

All hydraulic hoses connected in the rear part of the rock drill



Dual dampening system

Few rigid housing parts

+ Main benefits

Low running cost - robust design with sealed off mating surfaces and an increased recommended service interval.

High productivity - fine-tuned for optimized blast- and bolt hole drilling.

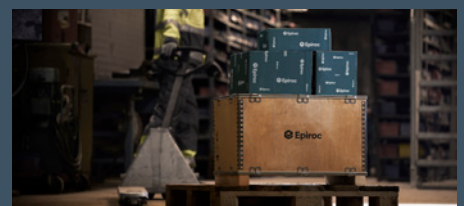
Low cost for drilling tools - due to optimized dual dampening system.



The heavy-duty front head design makes this rock drill optimal for face drilling.



Service tools are available to facilitate precise and correct machine maintenance ensuring equipment safety and performance.



Major and minor preventive maintenance kits are available for maintenance ease, and to ensure optimized rock drill service life.

Technical specifications

Dimensions and weight

Weight	186 kg (410 lb)
Length without shank adapter	915 mm (3 ft)
Width including connectors	254 mm (10 inch)
Height	238 mm (9.4 inch)
Height over drill center	93 mm (3.7 inch)

Impact ratings

Impact power (maximum)	20 kW (26.8 hp)
Impact frequency	80 Hz
Flow rate	75 – 92 L/min (2.6 – 3.2 cfm)
Hydraulic pressure (maximum)	225 bar (3 300 psi)

Rotation motors

Type	07 (160 cc)
Rotation range	0 – 215 rpm
Torque (maximum)	1 000 Nm (737 lbf-ft)
Working pressure (maximum)	210 bar (3 046 psi)
Oil consumption	75 L/min (2.6 cfm)

Flushing flow and pressure

Flushing water pressure (maximum)	25 bar (362.6 psi)
	55 – 120 L/min (2 – 4.3 cfm)

* Flushing water consumption depends strongly upon hole diameter, bit type, drill rod size and rock hardness. The figures above are typical values for spherical button bits in granite 200 Mpa (36 250 psi).

Dampening system and lubrication

Lubricating air consumption at 2 – 3 bar (29 – 44 psi)	6 – 8 L/s (12.7 – 17 cfm)
Damper flow	8 L/min (0.28 cfm)
Gear lubrication	Hydraulic oil

Service kits

Front seal kit	3115 9011 83
Seal kit	3115 9011 84
Minor preventive maintenance kit	3115 9011 85
Major preventive maintenance kit	3115 9011 86

Shank adapters

	Drifting	Extension drilling
R38	90029541	90029542
T38 (Secoroc prod. n.o.)	90029126	90029342

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