



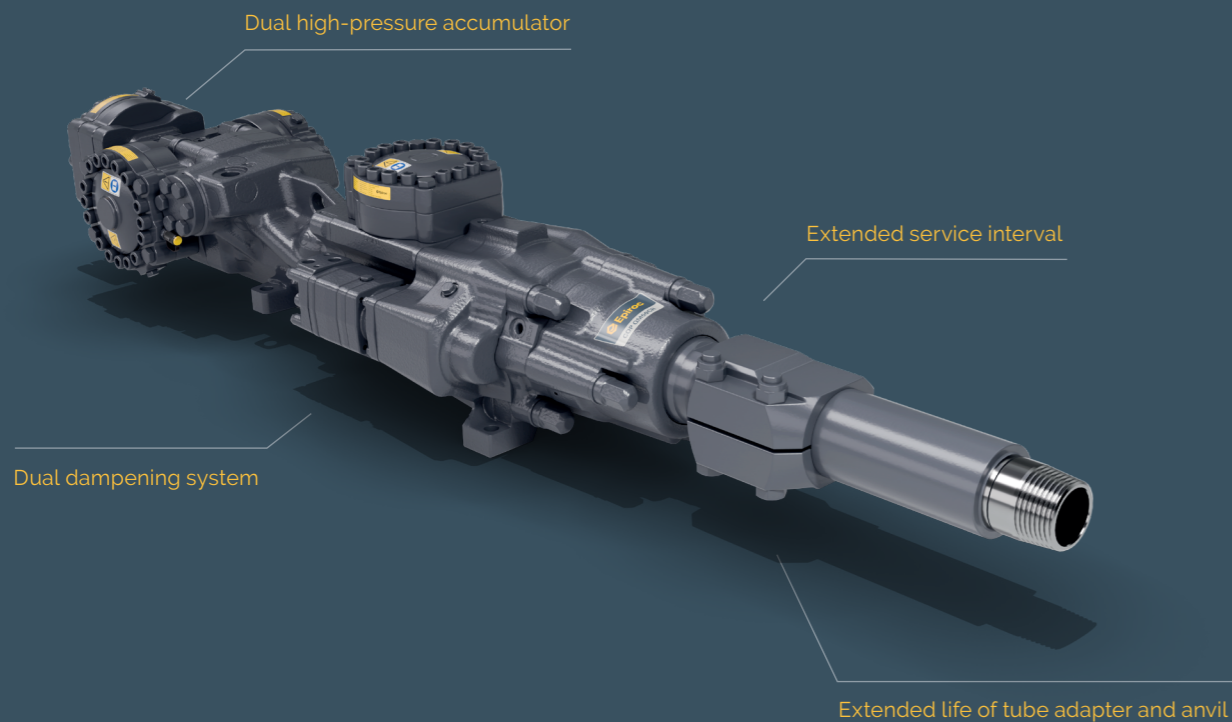
# COP QM50CR

High speed rock drill for surface drilling  
Hole range 140 - 180 mm (5 ½" - 7")

 Epiroc

# Superior power

A powerful, heavy duty rock drill for use with the COPROD drilling system, delivering an optimized performance for higher productivity and significant reduction of the Total Cost of Ownership (TCO).

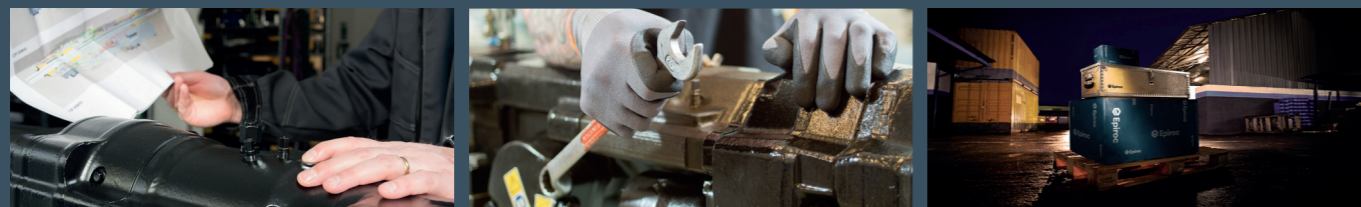


## + Main benefits

A safe and reliable operation simultaneously providing optimized rock contact and superior hole quality, for increased drilling productivity.

High energy efficiency with improved airflow and reduced flushing pressure losses deliver more meters drilled with lower fuel consumption.

Minimizing environmental impact, making it a more sustainable alternative.



The COP QM50CR takes top hammer drilling into new applications, where previously down the hole hammer drilling was the only option.

Service tools are available to facilitate precise and correct machine maintenance, extending service intervals for higher productivity and reduced downtime.

Major and minor Preventive maintenance kits streamline servicing, optimizing rock drill service life and extending the life of consumables.

## Technical specifications

### Dimensions and weight

Weight (with coupling and tube adapter)	512 kg (1 129 lb)
Length (with coupling and tube adapter)	2 034 mm (6 ft 8.1 inch)
Width (without connectors)	398 mm (1 ft 3.7 inch)
Height (above cradle)	353 mm (1 ft 1.9 inch)
Height (above drill center)	205 mm (8.1 inch)

### Rotation

	2x315 cc	2x400 cc	2x 475 cc
Rotation range	0 - 95 rpm	0 - 73 rpm	0 - 62 rpm
Torque, max	4 500 Nm (3 319 lbf-ft)	4 500 Nm (3 319 lbf-ft)	4 500 Nm (3 319 lbf-ft)
Working pressure, max	200 bar (2 900 psi)	160 bar (2 320 psi)	140 bar (2 031 psi)
Oil consumption, max	150 l/min (5.3 cfm)	150 l/min (5.3 cfm)	150 l/min (5.3 cfm)

### Impact ratings

Impact power, max	50 kW (67 hp)
Hydraulic pressure (maximum with CR140 rod)	225 bar (3 263 psi)
Flow rate	195 l/min (6.9 cfm)
Impact frequency	45 Hz

### Flushing flow and pressure

Flushing air pressure, max	12 bar (174 psi)
Lubricating air consumption at 2 bar (29 psi)	6 l/sec (12.7 cfm)

### Service kits

O-ring set	3115 6024 94
Seal kit	3115 6024 88
Minor Preventive Maintenance kit	3115 6024 86
Major Preventive Maintenance kit	3115 6024 91
Tool kit	3115 6024 89

### Tube adapters

COPROD 102	5697 0057 50
COPROD 127	5697 0044 07
COPROD 140	5697 0059 42

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