



COP 1638HD+, COP 1838HD+, COP 2238HD+

High speed rock drill for high penetration rates
Hole range 38 - 64 mm (1 ½" - 2 ½")

 **Epiroc**

Enhanced service life

Developed to provide extended service life, with no sacrifice to its proven drilling performance.



+ Main benefits

High torque output for efficient drilling minimizing the risk of jamming

Reliability with optimized rock contact, while simultaneously protecting the rock drill from harmful energy recoils

Sustainability by ensuring cuttings are removed efficiently to promote better bit life



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	175 kg (386 lb)
Length without shank adapter	1 008 mm (3 ft 3.6 inch)
Width including connectors	251 mm (9.9 inch)
Height	223 mm (8.8 inch)
Height over drill center	88 mm (3.5 inch)

Impact ratings

	COP 1638HD+	COP 1838HD+	COP 2238HD+
Impact power (maximum)	16 kW (21.4 hp)	18 kW (24 hp)	22 kW (29.5 hp)
Input power to rock drill (maximum)	25 kW (33.5 hp)	31 kW (41.6 hp)	37 kW (49.6 hp)
Hydraulic pressure (maximum)	200 bar (2900 psi)	230 bar (3 336 psi)	250 bar (3 626 psi)
Flow rate	60 - 77 L/min (2 - 2.7 cfm)	75 - 92 L/min (2.6 - 3.2 cfm)	83 - 93 L/min (2.9 - 3.3 cfm)
Impact frequency	60 Hz	60 Hz	73 Hz

Rotation motors

Type	05 (100 cc)	06 (125 cc)	07 (160 cc)
Rotation range	0 - 340 rpm	0 - 275 rpm	0 - 215 rpm
Torque (maximum)	640 Nm (472 lbf-ft)	820 Nm (605 lbf-ft)	1 000 Nm (737 lbf-ft)
Working pressure (maximum)	210 bar (3046 psi)	210 bar (3 046 psi)	210 bar (3 046 psi)
Oil consumption	75 L/min (2.6 cfm)	75 L/min (2.6 cfm)	75 L/min (2.6 cfm)

Flushing flow and pressure

Flushing water pressure (maximum)	25 bar (3 62.6 psi)
Lubricating air consumption at 2 bar (29 psi)	5 L/s (10.6 cfm)
Flushing water consumption*	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)

Service kits

	COP 1638HD+	COP 1838HD+	COP 2238HD+
Seal kit	3115 9170 93	3115 9170 91	3115 9170 94
Minor Preventive Maintenance kit	3115 9238 98	3115 9238 93	3115 9241 90
Major Preventive Maintenance kit	3115 9238 99	3115 9238 94	3115 9241 91

Shank adapters

	COP 1638HD+/COP 1838HD+/ COP 2238HD+ Drifting	COP 1638HD+/COP 1838HD+/ COP 2238HD+ For extension drilling
R32	403 - 09101.10	403 - 09103.10
R38	404 - 09101.10	404 - 09103.10
T38	435 - 09101.10	435 - 09103.10
Magnum SR38	427 - 09101.10	427 - 09103.10

United in performance. Inspired by innovation.

Performance unites us, innovation inspires us, and commitment drives us to keep moving forward. Count on Epiroc to deliver the solutions you need to succeed today and the technology to lead tomorrow.
epiroc.com

