



COP 1838HD+

High speed rock drill for high penetration rates
Hole range 38 - 64 mm (1½" - 2½")



Atlas Copco

ENHANCED SERVICE LIFE

DEVELOPED TO PROVIDE EXTENDED SERVICE LIFE, WITH NO SACRIFICE TO IT'S PROVEN DRILLING PERFORMANCE.



Dual dampening system

Powerful rotation motor

Specially created for face drilling

+ 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 preventative maintenance kits are available for maintenance ease, and to ensure optimized rock drill service life.

DIMENSIONS AND WEIGHT

Weight	175 kg (386 lb)
Length without shank adapter	1008 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

Impact power (maximum)	18 kW (24 hp)
Input power to rock drill (maximum)	31 kW (41.6 hp)
Hydraulic pressure (maximum)	230 bar (3336 psi)
Flow rate	75 - 92 l/min (2.6 - 3.2 cfm)
Impact frequency	60 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)	1000 Nm (737 lbf-ft)
Working pressure (maximum)	210 bar (3046 psi)	210 bar (3046 psi)	210 bar (3046 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 (362.6 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

Seal kit	3115 9170 91
Minor preventive maintenance kit	3115 9238 93
Major preventive maintenance kit	3115 9238 94

SHANK ADAPTERS

	Drifting	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

TECHNICAL SPECIFICATIONS

3115 9170 91 - SEAL KIT

Description	Part numbers	Quantity
O-ring set	3115 9170 90	1
Gasket	3115 0327 00	1
Sel washer	0661 1038 00	1
O-ring set	0663 2109 37	1
O-ring set	0663 2128 00	1
O-ring set	9125 6191 00	1
Wiper	3115 3024 00	1
Cup seal	3115 2333 00	2
Cup seal	3115 5190 00	1
Seal ring	3115 3289 17	3
Washer	3115 5059 00	1
Seal ring	3115 3445 00	1
Radial lip seal	0666 7190 01	1
Grease nipple	0544 2162 00	1
Plug	0686 4201 03	1
Gasket	0653 9038 00	1
Radial lip seal	0666 7188 01	1
Seal	0667 1206 00	1
Seal washer	0661 1020 00	1
Seal kit	3115 1880 90	1
Seal washer	0661 1034 00	2
Seal kit	3115 0970 00	2
Seal kit	3115 1156 00	2
Seal washer	3115 1697 00	2

3116 9238 94 - MAJOR PREVENTIVE MAINTENANCE KIT

Description	Part numbers	Quantity
Overhaul kit	3115 9238 93	1
Guide	3115 5045 01	1
Stop ring	3115 5340 20	1
Driver	3115 5314 00	1
Rot.ch.bushing	3115 2968 01	1
Liner	3115 5358 03	1
Disk spring	3115 5360 00	1
Damping piston	3115 2971 00	1
Piston guide	3115 5050 01	1
Piston	3115 3635 74	1
Piston guide	3115 1680 00	1

3115 9238 93 - MINOR PREVENTIVE MAINTENANCE KIT

Description	Part numbers	Quantity
Seal kit	3115 9170 91	1
Overhaul instruction	9853 1221 01	1
Spare parts list	9853 6819 20	1
Dome nut x 6	3115 0286 00	6
Washer x 6	3115 0287 00	6
Circlip	0335 2130 00	1
Nut	3115 3548 00	4
Diaphragm	3115 1822 01	2
Screw	3115 2702 10	4
Label set	3115 2714 90	1
Valve	3115 3768 00	2
Label set	3115 2715 90	1
Diaphragm	3115 1926 02	1
Plug	3115 2617 10	1
Label	3115 3164 00	1
Label	3115 5757 04	1
Screw, Hex head	0147 1479 03	2
Lock washer	3315 0195 10	2
Circlip	0335 2173 00	1
Side bolt	3115 5040 00	2
Circlip	0335 2169 00	1
Stud	3115 3613 00	4
Needle bearing	0516 1504 01	1
Needle bearing	0516 1538 00	1
Roller bearing	0509 0221 00	1
Roller bearing	0509 0223 00	1
Shim	3115 0297 01	3
Shim	3115 0297 02	3
Shim	3115 0297 03	1
Side bolt	3115 1457 00	1
Screw	0211 1960 84	2
Screw, Hex head	0147 1438 03	4
Box	0018 4635 07	1
Screw, Hex head	0147 1481 03	3

COMMITTED TO SUSTAINABLE PRODUCTIVITY

We stand by our responsibilities towards our customers, towards the environment and the people around us.

We make performance stand the test of time. This is what we call – Sustainable Productivity.

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