

Pneumatic Rockdrills

Rugged, Powerful, Reliable



Lightweight Rockdrills

The lightweight BBD 12 hand-held rock drill is the perfect partner in a wide variety of applications where manoeuvrability and easy handling are important. Available in two models, one for horizontal drilling and one for vertical-down drilling, the BBD guarantees powerful, reliable and flexible operation. Equipped with a D-type handle, the BBD 12D is ideal for horizontal drilling, plug hole drilling, and drilling in concrete to a maximum depth of 1 metre.

For vertical-down drilling to 3 metres in depth, Atlas Copco offers the BBD 12T, fitted with a T-type handle, slightly angled to provide the best grip. The BBD 12T is perfect for concrete drilling, drilling for smooth blasting, and seam drilling. All BBD models are equipped with kick-latch type drill-steel retainers for quick and easy steel changing.

BBD 12T

Technical Data

Model	Weight kg	Length mm	Drillsteel chuck mm	Air Consumption cfm	Hose connection mm	Part No.
BBD 12D	9.8	565	22 x 108	50	16	8311 0102 96
BBD 12T	11.1	505	22 x 108	50	16	8311 0102 95

Medium Weight Rockdrills



RH 658 LS



RH 658 5L



RH 571 5L

Power that is easy to handle

The high power-to-weight ratios and compact, versatile designs of the RH 571 and RH 658 rock drills enable simple positioning and easy handling. And their high penetration rate means you get the job done quickly, for maximum productivity. RH drills are designed for bench drilling, secondary drilling, and drilling for smooth blasting. Because of its light weight, the RH 571 is most suited for smaller jobs. The more powerful, and slightly heavier RH 658 provides a higher drilling rate and can handle depths up to 6 metres.

The extra flushing air valve is a special feature that provides simple, rapid cleaning of the drill hole for increased operational efficiency. To simplify the changing of drill steels, the drills are designed with a robust kick-latch type retainer that locks the drill steel into position. Both machines have rifle-bar rotation, with slower rotation and high impact energy, perfect for drilling in hard rock. They are also equipped with T-handles for a solid, comfortable grip.

Technical Data

Model	Weight kg	Length mm	Drillsteel chuck mm	Air Consumption cfm	Hose connection mm	Part No.
RH 571 5L	17.8	510	22 x 108	82	20	8311 0301 29
RH 658 5L	24	565	22 x 108	119	20	8311 0302 77
RH 658 5L FR	25	565	22 x 108	119	20	8973 1210 02
RH 658 LS	25	565	22 x 108	119	20	8311 0302 87

Ergonomic Rockdrills

For improved safety & increased productivity

The ergonomically designed BBD 15E and RH 572E, medium-weight rock drills with very high power-to-weight ratios, provide optimum operational safety and productivity. These low maintenance drills have high impact energy in relation to weight, and ergonomic features that improve operator comfort. The BBD 15E and RH 572E are equipped with spring-dampened handles and highly effective silencers. The result is reduction in vibration levels transmitted to the operator's hands by more than 75%, and reduction of low-frequency noise levels by 7 dB(A), or more than 50%. Operator fatigue is minimized, raising productivity.

The RH 572E has rifle-bar rotation, with slower rotation and lower impact frequency, for drilling in hard rock. This drill is ideal for minor bench drilling and other rock drilling applications, such as secondary drilling.

The lighter BBD 15E has ratchet-wheel rotation, with faster rotation and higher impact frequency, for drilling in soft to medium-hard rock. The BBD 15E is designed for concrete drilling, drilling for smooth blasting and seam drilling – all of which require a high-performance, lightweight, easy-to-handle drill.

Technical Data

Model	Weight kg	Length mm	Drillsteel chuck mm	Air Consumption cfm	Hose connection mm	Part No.
BBD 15E	15.5	575	22 x 108	47	16	8311 0104 10
RH 572E	22.8	583	22 x 108	78	20	8311 0301 78



Drills for Line Drilling Application

The well-proven Atlas Copco light pneumatic rock drills listed below are intended for drilling holes 27 – 41 mm in diameter. The suffix DSI indicates that the rock drills have been specially adapted for the dimension stone industry (DSI) and are equipped with an H22 chuck and air flushing as standard (water flushing available as option). Subject to the conditions overleaf, all machines can be mounted on cable or chain feeds. Atlas Copco's stringent quality control of both materials and manufacturing processes gives the assurance of consistently high performance, superior reliability and long service life.

BBD 94W-DSI

With a larger piston diameter of 90 mm, ratchet wheel rotation mechanism, short stroke of 45 mm, very high impact rate of 55 Hz and air consumption of 97 l/s, this 26 kg machine gives greater impact energy and is less sensitive to lower air pressures. It is ideal for drilling in soft and medium-hard rocks ideal for marble mining application.

BBC 34W-DSI (silenced)

With a piston diameter of 80 mm, rifle bar rotation mechanism, long stroke of 70 mm, lower impact rate of 38 Hz and air consumption of only 88 l/s, this 31 kg reliable machine gives the greatest impact energy per blow. It is ideal for drilling in harder rocks.



BBC 34W-DSI

Technical Data

Model	Weight kg	Length mm	Piston bore mm	Air Consumption L/s	Stroke length mm	Part No.
BBD 94W-DSI	27	670	90	97	45	8311 0303 45
BBC 34W-DSI	31	775	80	88	70	8311 0408 05

Easy Rig Mounting

1. Air supply

In order to produce sufficient impact energy, each rock drill requires a certain flow of air at a given pressure. Atlas Copco rock drills are designed to give optimum performance at an air pressure of 6 bar (600 kPa) unless stated otherwise. Air pressure and flow should be measured dynamically at the intake nipple of the rock drill.

2. Lubrication

The drill rig must be equipped with an in-line lubricator that is compatible with the air pressure and flow rate to the rock drill(s). The lubricator must be filled with air tool oil of a viscosity grade that is suitable for the ambient temperature in which the machine is to work. When lubrication is effective, a continuous film of oil wets the neck of the shank adapter during operation of the rock drill. (Oil in the exhaust air is no guarantee of sufficient lubrication.)

Rock Drills For Tunneling

Pusherleg Rockdrills

Atlas Copco offers you the unfair advantage of four different Rockdrills to cater to your varying job requirements by offering superior hole quality and best drilling economy for small diameter holes. The RH 656 4W and BBC 16W are two rockdrills with long stroke and high impact mechanism for hard rock, while the BBD 94W has a large piston with short stroke and high impact rate, to offer you high performance even with low air pressure. The BBC 34W offers the dual advantage of long piston stroke with large piston diameter for low air pressure.

RH 656 4W

An all round rock drill with low air consumption a very high drilling rate in relation to its weight. With its rifle bar rotation mechanism, it has maintained its reputation as the most economical and reliable rock drill in the market.

BBC 16W

The BBC 16W suits most drilling applications. It has a robust rifle bar rotation mechanism, long stroke and good penetration in hard rock. The pusher leg control is also placed at the backhead of the rock drill.

BBC 34W

Highly efficient rock drill for medium to hard rock. It has a powerful rifle bar rotation mechanism, long stroke and high impact energy. The large diameter piston makes it very efficient even with low air pressure. The pusher leg control is placed at the backhead of the rock drill.

Technical Data

Model	Weight kg	Length mm	Drillsteel chuck	Air Consumption cfm	Impact rate	Part No.
RH 656 4W	22.4	630	22 x 108	101	34	8311 0302 02
BBC 16W	26	710	22 x 108	134	39	8311 0401 10
BBC 34W	31	775	22 x 108	190	38	8311 0408 05

Pusher legs

The pneumatic telescopic, single acting and double acting pusher legs are available in a number of versions. All are of a simple, robust design for reliable operation and minimum maintenance requirement.

Technical Data

Model	Weight kg	Length Retracted mm	Length Extended mm	Feed Length mm	Piston Dia mm	Suitable Rockdrill	Part No
BMK 62SA2	17	1815	3115	1300	53	RH 656 4W	8321 0102 02
BMT 51	15	1658	2958	1300	60	BBC 16W	8321 0301 01
ALF 71	14	1805	3105	1300	70	BBC 16W, 34W	8321 0201 94

Stoppers

BBD 46WS/WR

All-steel rock drill suitable for production drilling, raise driving and bolting. It has a robust ratchet wheel rotation mechanism, short stroke and good penetration rates in soft and medium-hard rock. The large diameter piston makes it very efficient even with low air pressure.

Technical Data

Model	Weight kg	Length retracted mm	Length extended mm	Stroke length mm	Air Consumption cfm	Feeding length mm	Part No
BBD 46WS6	39	1435	2205	45	159	770	8311 0202 03
BBD 46WS8	40	1650	2620	45	159	970	8311 0202 11
BBD 46WR6	39	1435	2205	45	159	770	8311 0202 29
BBD 46WR8	40	1650	2620	45	159	970	8311 0202 37



Airline Accessories

Lubricating for a long service life

Most pneumatic machines require lubrication. The purpose of this is not only to lower friction, but also to protect against corrosion and to help seal the system.

Lubricators are designed to let atomized droplets of oil into the air flow. Suction is created by means of a controlled strangulation of the air flow. The amount of oil is checked by a regulator.

Minerals or synthetic oil can be used. Different oils can't be mixed.

Technical data - BLG 30

Max. working pressure	bar(e)	20
Air flow range	l/s	25-134
Oil tank volume	l	1.3
Recom, hose inner diam.	mm	20-25

Lubricator BLG 30 is intended for mineral oil.



Mantex Hose - The hallmark of a quality hose

Mantex hose is flat when not pressurized. Rolled up, it occupies less than the space of conventional hose, and it weighs less than a third of comparably sized conventional hose without compromising safety.

Furthermore, the cord of Mantex hose is woven so that the hose, if it despite all precautions ruptures, does so longitudinally. Such a rupture still keeps the hose in one piece, eliminating the risk of very dangerous free – swinging hose ends.

Technical Data

Hose dia.	Mantex Hose	Claw Couplings	Hose Clamp	Packings
12.5 mm	–	9000 0310 00	9000 0194 00	9000 0000 00
16.0 mm	–	9000 0311 00	9000 0195 00	9001 0000 00
20.0 mm	9030 2014 00	9000 0312 00	9000 0196 00	9002 0000 00
25.0 mm	9030 2006 00	9000 0313 00	9000 0197 00	9003 0000 00

* All mantex hose is in 60 mm length



The face of commitment



...and increased productivity with

Atlas Copco Spare Parts

Your rock drill is a skillfully designed, precision-made unit. Each part is made from the right material with correct heat treatment and to the close tolerances demanded by an efficient rock drill. It is, therefore, essential that when a part wears out, it should immediately be replaced with a genuine Atlas Copco spare to ensure the efficiency of your Atlas Copco Rock Drill.

Atlas Copco Portable Compressors

Atlas Copco manufactures a wide range of portable air compressor to match our range of Rockdrills that offer excellent fuel economy & unmatched reliability. Our Air Compressor also comes in a wide range that fulfills every air demand in the industry.

Atlas Copco Drillsteels & Taper Rods

Atlas Copco offers a complete range of high quality, forged, hexagon-shanked integral drill steels and tools for rock drill applications. These Drillsteels are imported from Sweden and is of the best quality that will give you the best cot per metre. In addition, we can also offer you Taper rods and bits for suitable application for improved productivity and economy.



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