

Handheld rock drills – RH, BBD & DKR

Tools that get the job done faster



Work smarter, work faster

Pressed for time? Work often behind schedule? Then take a look at Atlas Copco rock drills. Customers have told us that high productivity is make or break, so we've built in features that help you get the job done faster.

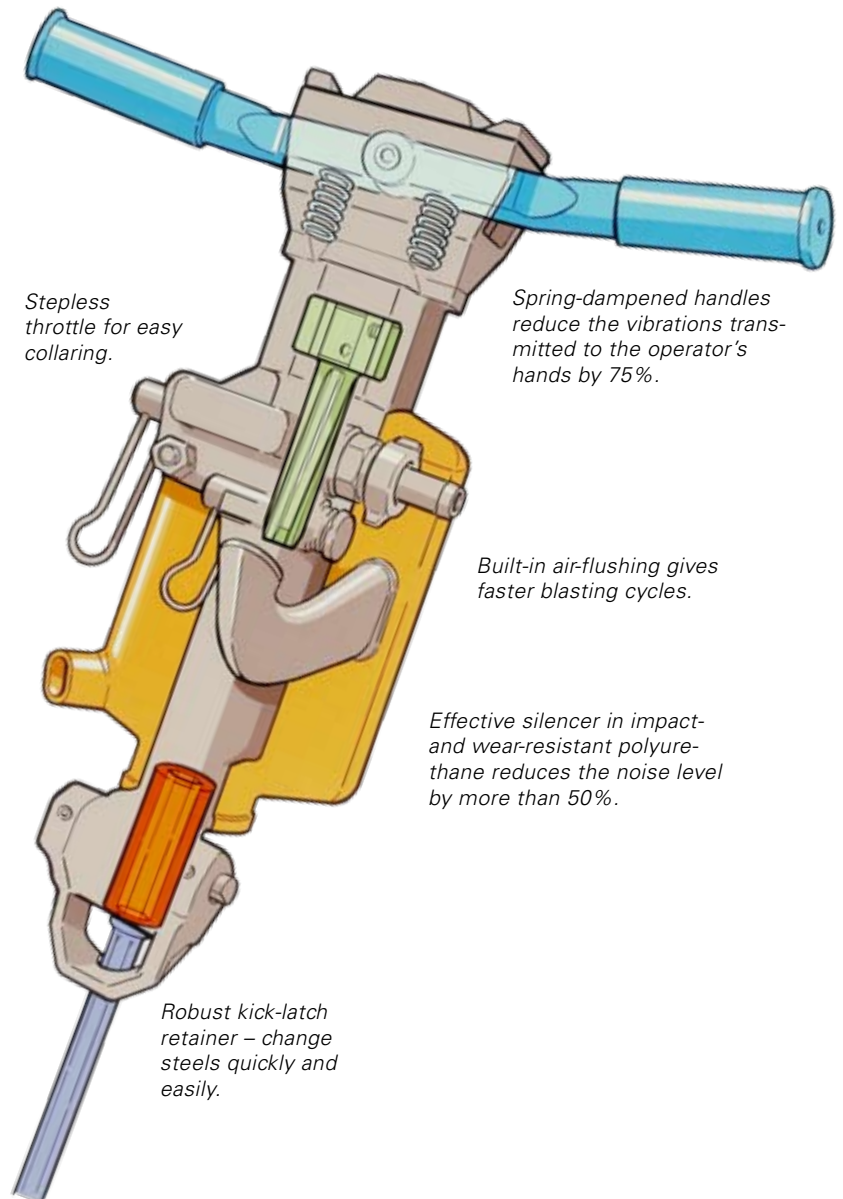
Built-in air-flushing

Take the built-in air-flushing for example. As you drill, the hole is kept clean by a powerful jet of air. This boosts productivity in two ways. First, it speeds up the actual drilling process, since the drill bit has a cleaner surface to work on. Two, when the drilling is finished, you don't need to clean the hole before blasting.

Easier collaring

We've also made collaring faster and easier. Atlas Copco drills are powerful, but the power is easy to handle thanks to a stepless throttle. This helps you keep the tip of the tool exactly where you want it, right from the beginning.

These are just two examples of many, but as you can see, boosting productivity is part of our design philosophy. To find out more, read on and discover how Atlas Copco rock drills can help you work faster.



Stepless throttle for easy collaring.

Spring-dampened handles reduce the vibrations transmitted to the operator's hands by 75%.

Built-in air-flushing gives faster blasting cycles.

Effective silencer in impact- and wear-resistant polyurethane reduces the noise level by more than 50%.

Robust kick-latch retainer – change steels quickly and easily.

Lower vibration levels

We have been developing vibration- and noise-reduced tools since the 1970s. Today, we are at the forefront of the field and our vibration-dampened drills meet the latest 2006 European directive (2002/44/EC).

The unique Hand and Arm Protection System, HAPS, helps to reduce the operator's exposure to vibrations. This translates into a 75% reduction in vibrations transmitted to the operator's hands. In addition, our sound dampening system reduces low frequency noise by more than 50%.

H·A·P·S
HAND AND ARM PROTECTION SYSTEM

Atlas Copco's unique Hand and Arm Protection System (HAPS) helps to reduce the operator's exposure to vibration.



RH drills – for hard rock and large holes

RH drills are designed for heavier jobs such as bench and secondary drilling, plus drilling for smooth blasting.

RH drills have a robust rifle-bar rotation mechanism and high impact energy for drilling in hard rock.

Where to use them

- Bench and secondary drilling, smooth blast drilling
- RH 571 for smaller jobs
- RH 658 for drilling deeper holes

The right drill for your application

The light-weight RH 571 is perfect for smaller jobs. The RH 658, slightly heavier and more powerful, is suitable for greater hole depths. The RH 572E combines light weight with extra operator comfort, thanks to the vibration dampened handles and efficient silencer.

All models are equipped with T-handles for a solid, comfortable grip.

- Built-in air-flushing gives faster blasting cycles
- Stepless throttle for easy collaring
- Robust kick-latch retainer – change steels quickly and easily
- Spring-dampened handles reduce vibrations by 75%
- Silencer in impact- and wear-resistant polyurethane reduces noise levels by more than 50%



Technical data

Model	Weight	Length ¹⁾	Air consumption at 6 bar	Drill steel chuck (hex)	Impact rate	Rotation speed	Penetration rate	Hose connection	Part number
	kg	mm	l/s	mm	blows/min	rpm	mm/min	mm	
RH 572E	22.8	583	37	22x108	2040	170	260 ²⁾	19	8311 0301 17
RH 571-5L	17.8	510	39	22x108	2100	190	295 ²⁾	19	8311 0301 29
RH 571-5LS	18.9	510	39	22x108	1980	190	275 ²⁾	19	8311 0301 37
RH 658L	24	565	58	22x108	2040	215	425 ²⁾	19	8311 0302 86
RH 658LS	25	565	58	22x108	2040	215	410 ²⁾	19	8311 0302 87

¹⁾ Including drill steel retainer

²⁾ Drilling in granite with 33 mm, chisel-type integral drill steel (working at pressure 6 bar)

Optional equipment

Description	Part number
Hand hose, 19 mm x 3 m complete with claw coupling and hose clamps	9030 2047 00

BBD drills – for lighter jobs

Light and easy to handle, BBD rock drills are ideal for those quick jobs and for working in difficult-to-get-to areas. They can be equipped with either D- or T-handles.

The ratchet-wheel action provides faster rotation and higher impact frequency for drilling in soft to medium-hard rock.

Where to use them

- With D-handle – horizontal rock and concrete drilling, plug holes
- With T-handle – vertical work in concrete, plug hole drilling, plus smooth blast and seam drilling

The right drill for your application

The light-weight BBD 12 rock drill is available in two versions. Equipped with a D-type handle, it is used for horizontal drilling, plug hole drilling, and drilling in concrete to a maximum depth of 1 meter. Equipped with T-handles, the BBD 12T is designed for vertical drilling of up to 3 meters.

The medium-weight BBD15E has a combined “T/D handle” for easy carrying. It offers a high power-to-weight ratio, plus high operational safety. The BBD 15E is equipped with spring-dampened handles and a highly effective silencer.

The largest BBD drill is available in a version with a trigger valve, BBD 15ET. Older machines can be retrofitted with a trigger conversion kit.

- Light weight for easy handling
- Built-in air-flushing gives faster blasting cycles
- Stepless throttle for easy collaring
- Robust kick-latch retainer – change steels quickly and easily
- Spring-dampened handles reduce vibrations by 75%
- Silencer in impact- and wear-resistant polyurethane reduces noise levels by more than 50%



Technical data

Model	Weight	Length ¹⁾	Air consumption at 6 bar	Drill steel chuck (hex)	Impact rate	Rotation speed	Penetration rate	Hose connection	Part number
	kg	mm	l/s	mm	blows/min	rpm	mm/min	mm	
BBD 15E	15.5	575	22	19x108	2520	220	220 ²⁾	19	8311 0104 02
BBD 15E	15.5	575	22	22x108	2520	220	220 ²⁾	19	8311 0104 10
BBD 15ET	15.6	575	22	19x108	2520	220	220 ²⁾	16	8311 0104 12
BBD 15ET	15.6	575	22	22x108	2520	220	220 ²⁾	16	8311 0104 13
BBD 12T-01	11.1	505	24	22x108	2580	220	150 ³⁾	19	8311 0102 95
BBD 12TS-01	12.1	505	22	22x108	2520	220	150 ³⁾	19	8311 0102 98
Horizontal									
BBD 12D	9.8	565	24	19x108	2580	220	250 ²⁾	13	8311 0102 47
BBD 12DS	10.7	565	22	19x108	2520	220	230 ²⁾	13	8311 0102 80

1) Including drill steel retainer

2) Drilling in granite with 28 mm, chisel-type integral drill steel (working at pressure 6 bar)

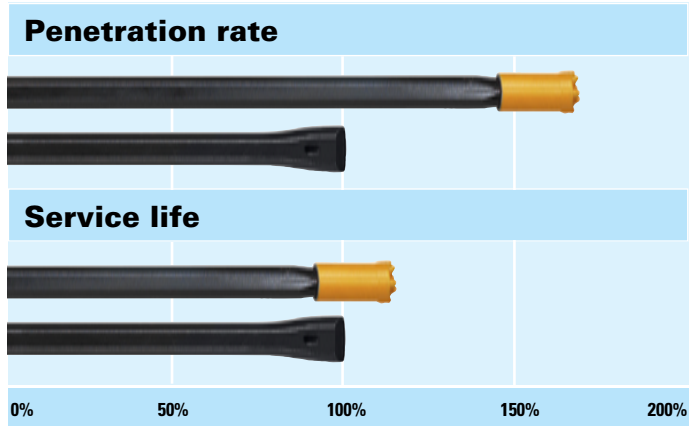
3) Drilling in granite with 33 mm, chisel-type integral drill steel (working at pressure 6 bar)

Optional equipment

Description	Part number
Hand hose, 13 mm x 3 m complete with claw coupling and hose clamps	9030 2066 00
Hand hose, 16 mm x 3 m complete with claw coupling and hose clamps	9030 2046 00
Hand hose, 19 mm x 3 m complete with claw coupling and hose clamps	9030 2047 00
Retro-fit kit BBD 15E to BBD 15ET	8311 0104 95

Faster drilling and lower drilling costs

Tapered drilling equipment offers a long list of advantages over integral steel. First and foremost, penetration is faster – up to 50% faster in some rock. Tapered bits are also easier to use: collaring is faster, drilling straight holes is simpler and vibrations are considerably lower. And perhaps best of all, tapered equipment actually cuts total drilling costs. Still not convinced? Do a test run and judge for yourself.



Reduce on-site dust and boost productivity

Dust generated by drilling obscures vision and poses a health risk. The DCT dust collector reduces the amount of dust in the working environment. It can also increase productivity, since the drill cuttings are continuously removed. The DCT dust collector can be used with the entire range of Atlas Copco pneumatic handheld drills.

The DCT dust collector works on the ejector principle, which creates an under-pressure throughout the filter system. Since the ejector is built into the filter unit, it cannot be damaged by external influences or by drilling dust.



Technical data

Model	Max air pressure	Ejector air requirement	Suction capacity	Filter area	Weight complete	Suction hose	Part number
	<i>bar</i>	<i>l/s</i>	<i>l/s</i>	<i>m²</i>	<i>kg</i>	<i>mm</i>	
DCT 10	7	9.5	47	1.3	22	38	8092 0407 84

Optional equipment

Description	Part number
Bags (25 pcs)	3217 0578 91



Light weight, heavy hitting

The DKR 36 is a dual-function pneumatic drill/chipper that weighs just four kilos.

It's a machine that packs a powerful punch. Despite its light weight and compact size, you can get more work done – up to two to three times more – than with a comparable electric drill. It's also a lot more robust, and will not burn out when pushed hard.

Two-in-one

This dual-function machine can be used for both chipping and drilling. Changing between the different modes is simple: just exchange the chipping tool for a drill steel, and the DKR 36 automatically switches to the drilling function.

- More productive than an electric drill/chipper
- Powerful, yet light weight
- Two functions in one machine
- Built-in lubricator for easy maintenance
- Quick-coupling chuck for fast tool changes



Where to use it

- General chipping and scaling work
- Drilling plug holes 8-38 mm in diameter
- Hole depths of up to 300 mm
- Material: concrete or brick floors, walls and roofs for pipe cable and ventilation duct installation
- Drilling wedge holes for rock splitting
- Underwater drilling

Technical data

Model	Weight	Length	Air consumption at 6 bar	Shank	Impact rate	Rotation speed	Penetration rate	Hose connection	Part number
	kg	mm	l/s	mm	blows/min	rpm	mm/min	mm	
DKR 36	4.5	375	10	R19xH14.7x89	2820	250	180 ¹⁾ / 160 ²⁾	19	8463 0103 60
DKR 36R	4.5	375	10	R19x95	2820	250	180 ¹⁾ / 160 ²⁾	19	8463 0103 50

1) 19 mm drill in granite

2) 19 mm drill in concrete

Optional equipment

Description	Part number
DKR 36 kit	8463 0103 61
Contents of kit:	
Steel box	3315 1449 00
DKR 36	8463 0103 60
Air oil (0.2 l)	8099 0202 40
Hand hose, 10 mm x 3 m complete with claw coupling and quick coupling with nipple	9030 2042 00
Adapter for 8, 10, 12 mm drill	0701 1001 32
Knock-out block for 8, 10, 12 mm drill	3085 0210 00
Chisel	3083 3045 00
Spare parts kit (17 steel balls)	3315 1294 00



The DKR 36 can be supplied in a robust and practical steel box, complete with hand hose and accessories. The total weight of the kit is 10 kg.

Use only authorized parts. Any damage or malfunction caused by the use of unauthorized parts is not covered by Warranty or Product Liability.

