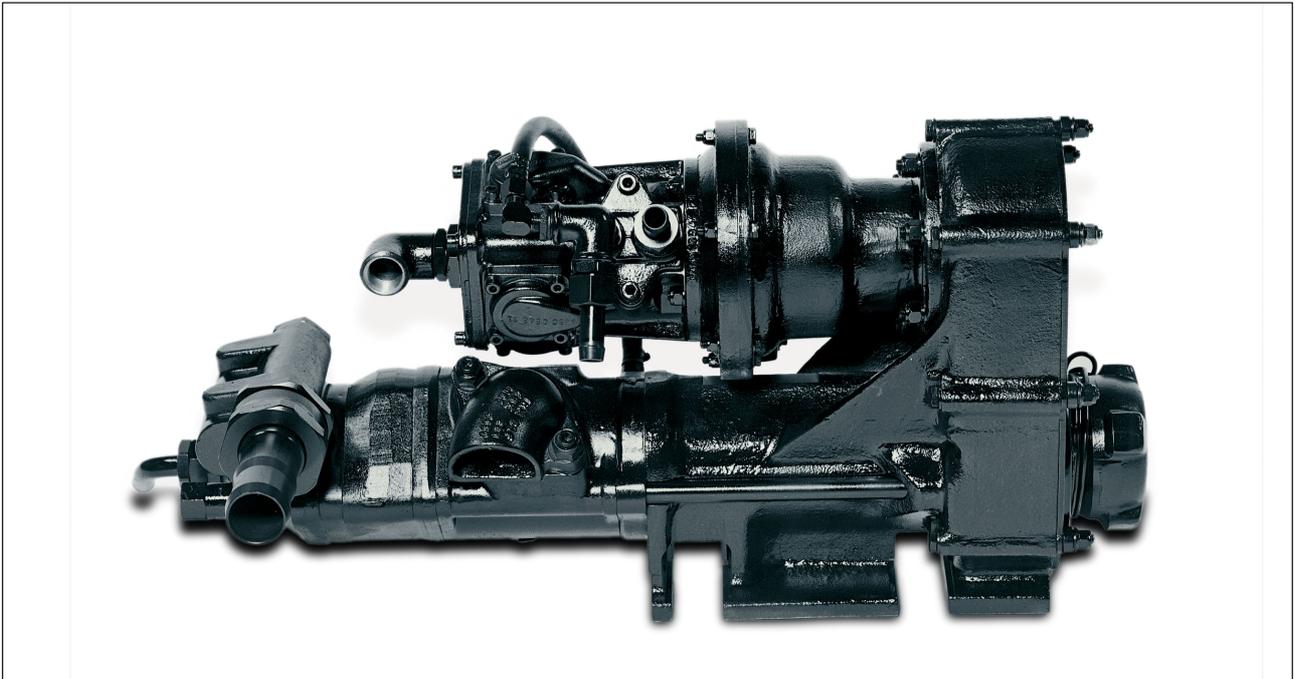


PNEUMATIC BBE 57



Top hammer rock drill for hole diameter range 64 - 115 mm

Primary advantages of a separate rotation unit

The powerful 2.7 kW piston motor combines high start-up torque and positive creep characteristics with efficient utilisation of the existing air supply. Servicing the rock drill has been kept simple and to the minimum. The entire unit can be rapidly replaced should the circumstances indicate the necessity. The reduction gear has been intentionally overdimensioned, to allow the rock drill to withstand severe stress and long-term exposure to wear with a wide margin of safety. The gear is of the permanently-lubricated type and normally does not therefore require servicing in between regular overhaul intervals. This unit also can be quickly replaced, should the need arise. The chain is a 25 mm (1") ASA80 heavy duty, pull-tested to withstand 64.5 Nm. A specific degree of built-in elasticity evens out stress when drilling in fractured rock formations. Overpressure in the chain housing prevents dirt and water from fouling the interior.

Powerful percussion with high impact energy

The impact mechanism represents an optimal combination of large piston area, a lengthy stroke length and high impact frequency; which in turn offers impressive penetration ability in all formations. Despite the rock drill's high impact energy, no special maintenance is necessary. Auto-constrained rotation of the impact piston ensures that the casing surface is sufficiently lubricated during all drilling conditions. To further minimise wear, the cylinder walls are lined with hardened, wear-resistant chrome plating.

- For bench drilling, overburden drilling with ODEX and OD equipment, prospecting and water well drilling.
- The high torque of 780 Nm provides optimal rotation when drilling in difficult rock or when drilling deep holes.
- Separate, reversible rotation unit with a powerful piston motor and overdimensioned gearing enables high drilling rates to be obtained even through overburden.
- Simple to service and fast component replacement.



Technical Data

Rock drill	
Hole diameter range	64 - 115 mm (2 1/2" - 4 1/2")
Extension rod diameter	38 - 45 mm (1 1/2" - 1 3/4")
Total length	900 mm (36")
Total width	350 mm (14")
Total height	440 mm (18")
Total weight	170 kg
Total air consumption* excl. flushing	220 l/s
Impact mechanism	
Cylinder bore	120 mm (4 3/4")
Stroke	66 mm (2 5/8")
Impact rate	2000 blows/min
Air consumption*	157 l/s
Air hose diameter	50 mm (2")

Rotation unit	
Rating at 2400rpm	2.7 kW
Gear ratio	1:32.2
Rotation speed	60-150 rpm
Max. torque	780 Nm
Air consumption*	73 l/s
Air hose diameter	20 mm (3/4")
Flushing	
Air consumption*	
Normal	42 l/s
Maximum	80 l/s
Air hose diameter	20 mm (3/4")
Part Number	
Rock drill BBE57-01	8311.080157