

Secoroc Rock Drilling Tools

Secoroc QL 340 down-the-hole hammer



Sustainable Productivity

Atlas Copco

The latest general purpose DTH hammer: **Secoroc QL 340**

Atlas Copco is committed to offering customers the most innovative solutions for their applications. The new Secoroc QL 340 is no exception. We've taken the best from its predecessor, the DHD 340 hammer, added technology from the QL 40 and created the market's best general purpose DTH hammer. This new 4" hammer offers greater penetration rate, improved deep-hole characteristics, quicker and easier maintenance and overall excellent productivity.

A true allrounder

Aimed at contractors who work a multitude of applications – such as water wells, quarrying (especially limestone), construction work or mining – QL 340 offers proven technology and productivity at a competitive price. For example, the Secoroc QL 340 can outperform equivalent hammers in deep water-saturated drill holes.

The deeper the hole the better

Rated at 25 bar, QL 340 flushes water and cuttings out with ease even in the deepest hole. And as many contractors use smaller compressors – with pressures as low as 8–12 bar – we've made sure they still enjoy the benefits of the QL 340's superior penetration rates – up to 20% greater than its predecessor. Hammer removal is also easier, even in fractured rock conditions, as we have added back-out buttons on the top sub. A pleasant spinoff is that fuel consumption is also kept to a minimum.





Still use your DHD 340 drill bits

The DHD 340 is renowned for its robust and reliable bit-spline system. And that's why we've kept the same design on the QL 340 so you can still use the same drill bits as before. This helps to optimise bits stock while offering interchangeability with other Secoroc DTH hammers. All in all, it's hard to match the QL 340's low cost per metre drilled.

4" hammer

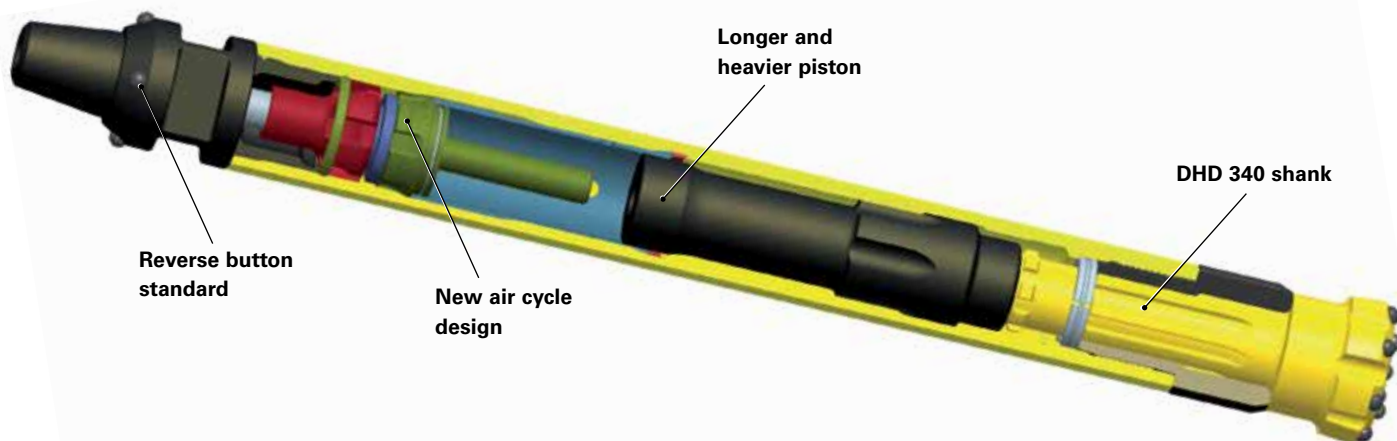
The new QL 340 is designed to drill holes from 4 5/16" (110mm) to 5 1/8"(130mm). There's a full range of drill bits from soft rock to hard rock formations. And when it's time for a comprehensive overhaul, the Secoroc E-kit has all the components needed to prolong the QL 340's service life.

Quick and easy servicing

It's not surprising that the QL 340 hammer is easy to service. The total number of parts has been reduced considerably while the external parts are common to all QL hammers. Thanks to the chuck's three-start thread design and the top-sub's single thread solution, the top sub always releases first when servicing the hammer.



QL 340 specifications



General specifications		
Drill pipe connection	API 2-3/8 Reg. Pin	
Bit shank code / type	DHD 340	
Length w/o bit shoulder to shoulder	994.3 mm	39.15 in
Length with bit extended	1032.6 mm	40.65 in
Length with bit retracted	1000.6 mm	39.39 in
Weight w/o bit	49 kg	107.6 lb
Backhead across flats	75 mm	2.95 in
Rec. bit size	110-130 mm	4 3/8-5 1/8 in
Outside diameter	100 mm for casing, 104 mm for reverse button	3 15/16 in for casing 4 1/10 in for reverse button
Piston weight	9 kg	19.8 lb
Max. pressure differential	25 bar	360 psi

Secoroc QL 340		
Product No.	Product code	Connection
92050412	9704-03-54-00	API 2-3/8 Reg. Pin

Air consumption and impact frequency		
Pressure	Liter/s	Strokes/min
10.5 bar/150 psi	130	1450
16 bar/230 psi	209	1790
20 bar/290 psi	252	1900
25 bar/360 psi	349	2080

E-kit	Product No.	Product code
E-kit including backhead, valve, casing and chuck	92050440	9704-03-54-00-040

Bits	Product No.	Product code	Number of buttons x button diameter, mm (inch), shape				
			Outer	Outer	Inner	Front	Cone
110 mm, Flat front	90513714	100-5110-34-1210,10-20	8x14.5 (9/16)			7x12.7 (1/2)	
115 mm, Flat front	90513715	100-5115-34-1210,10-20	8x14.5 (9/16)			8x12.7 (1/2)	
125 mm, Flat front	90513716	100-5125-34-1210,10-20	8x14.5 (9/16)			10x12.7 (1/2)	
130 mm, Flat front	90515203	100-5130-34-1218,10-20	8x15.83 (5/8)			8x14.5 (9/16)	
110 mm, Speed bit	90513719	100-5110-34-1250,10-20	8x14.5 (9/16)			7x12.7 (1/2)	
115 mm, Speed bit	90513720	100-5115-34-1250,10-20	8x14.5 (9/16)			8x12.7 (1/2)	
125 mm, Speed bit	90513721	100-5125-34-1250,10-20	8x14.5 (9/16)			10x12.7 (1/2)	
130 mm, Speed bit	90513722	100-5130-34-1250,10-20	8x14.5 (9/16)			10x12.7 (1/2)	
110 mm, Concave	90514995	100-5110-34-0210,10-20	8x14.5 (9/16)			4x12.7 (1/2)	2x12.7 (1/2)
115 mm, Concave	90514996	100-5115-34-0210,10-20	8x14.5 (9/16)			4x12.7 (1/2)	2x12.7 (1/2)
125 mm, Concave	90514999	100-5121-34-0210,10-20	8x14.5 (9/16)			4x12.7 (1/2)	4x12.7 (1/2)
130 mm, Concave	90515551	100-5130-34-0218,10-20	8x15.83 (5/8)			4x14.5 (9/16)	3x14.5 (9/16)
110 mm, Convex ballistic	90513724	100-5110-34-2230,10-20	7x14.5 (9/16)		4x14.5 (9/16)	2x14.5 (9/16)	
115 mm, Convex ballistic	90513725	100-5115-34-2239,10-20	7x14.5 (9/16)		4x14.5 (9/16)	3x14.5 (9/16)	
125 mm, Convex ballistic	90513726	100-5125-34-223A,10-20	9x12.7 (1/2)		6x12.7 (1/2)	5x12.7 (1/2)	
130 mm, Convex ballistic	90513727	100-5130-34-223A,10-20	9x12.7 (1/2)		6x12.7 (1/2)	5x12.7 (1/2)	
110 mm, Rocket bit, ballistic	90515306	100-5110-34-623A-10-20	8x12.7 (1/2)	4x12.7 (1/2)	2x12.7 (1/2)	2x12.7 (1/2)	
115 mm, Rocket bit, ballistic	90515305	100-5115-34-623A-10-20	8x12.7 (1/2)	4x12.7 (1/2)	2x12.7 (1/2)	2x12.7 (1/2)	
115 mm, Rocket bit, spherical	90515548	100-5115-34-6210-10-20	8x14.5 (9/16)	4x12.7 (1/2)	2x12.7 (1/2)	2x12.7 (1/2)	
Foot valve	86002883	9227					
Assembly tool	89001223	9226					



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