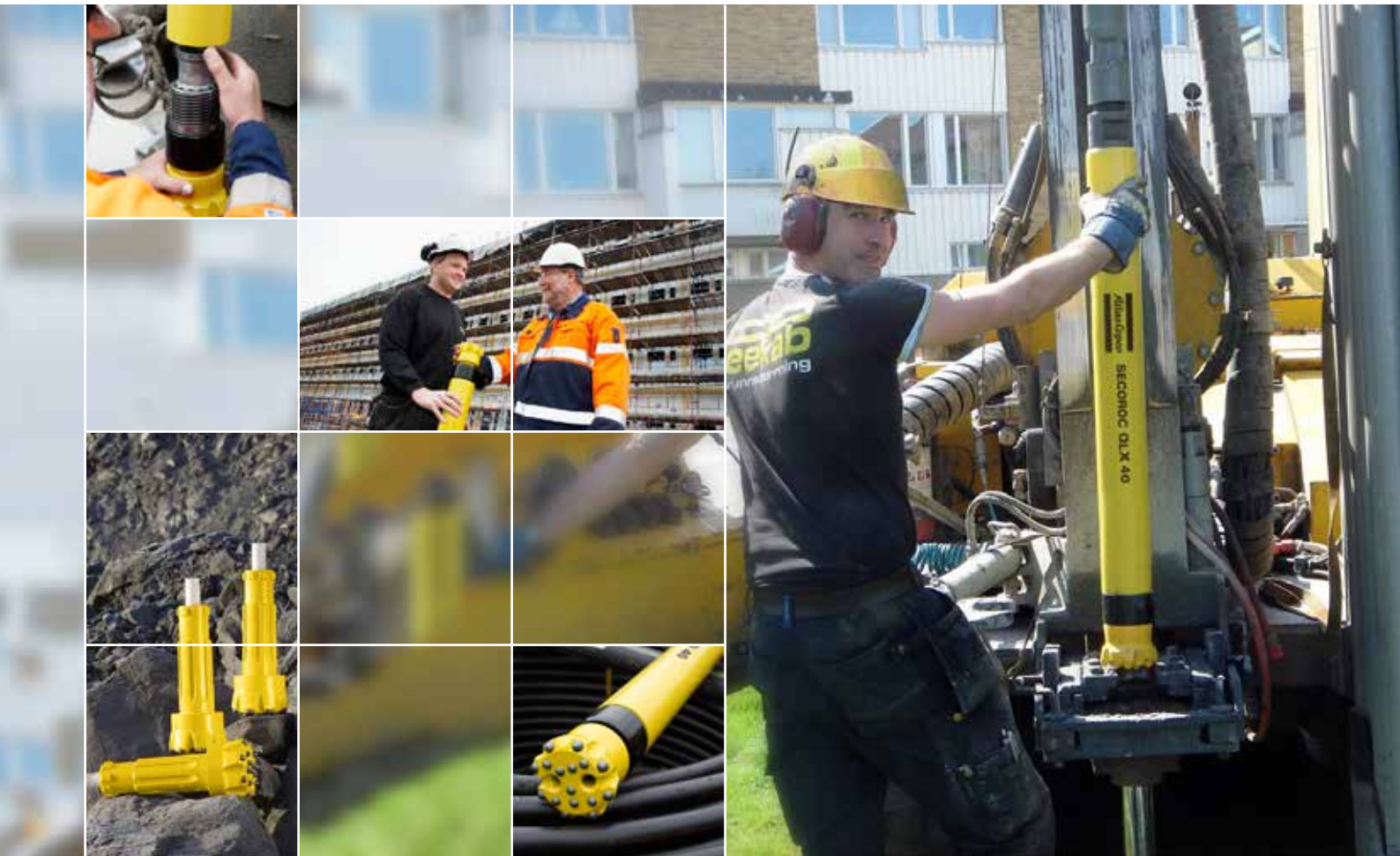


Secoroc Rock Drilling Tools

Secoroc QLX 40 down-the-hole hammer



QLX 40 – the latest in high performance 4" DTH hammers

The new Secoroc QLX 40 DTH hammer is the latest in the comprehensive line of QLX hammers. They represent the latest technology available on the market today by offering unbeatable capability, productivity and reliability in deep hole drilling.

QLX hammers are optimized for deep hole drilling applications in hard rock. At operating pressures up to 35 bar and a further improved QL™ air cycle the QLX 40 hammer can drill faster and deeper than any other hammer of its size.

The Secoroc QLX 40 is a 4" hammer that suits the waterwell and geothermal market perfectly. The QLX 40 hammer is designed to operate in deep hole conditions, with heavy water influx and severe back

pressure. This means optimum performance with regards to productivity and reliability in deep hole conditions.

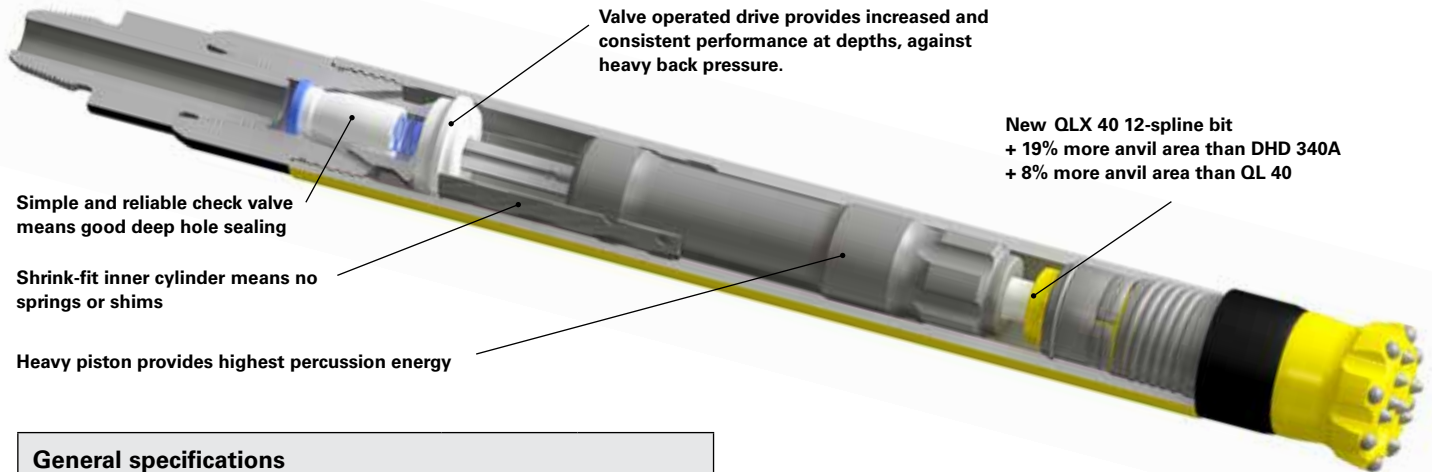
The QLX 40 12-spline bit shank maximizes the life of both the drive chuck and the bit splines. The shrink fit inner cylinder reduces the number of internal moving parts and increases the reliability. Add to that the new reliable check valve, and the QLX 40 is well protected from water and dirt entering the hammer.

The Secoroc QLX 40 can drill holes from 110mm (4 15/16") to 130mm (5 1/8") and is the ideal product for the drilling contractors looking for the best total economy of their drilling operations.

Sustainable Productivity

Atlas Copco

QLX 40 specifications



Valve operated drive provides increased and consistent performance at depths, against heavy back pressure.

New QLX 40 12-spline bit
+ 19% more anvil area than DHD 340A
+ 8% more anvil area than QL 40

Simple and reliable check valve means good deep hole sealing

Shrink-fit inner cylinder means no springs or shims

Heavy piston provides highest percussion energy

General specifications		
Backhead thread (excl. pin-pin sub)	2 3/8" API Reg box	
Bit shank	QLX 40	
Outside diameter	4 in	101,6 mm
Length w/o bit shoulder to shoulder	35.3 in	897,0 mm
Weight w/o bit	101.4 lb	46,0 kg
Backhead across flats	3 in	76 mm
Recommended min. bit size	4.5 in	115 mm
Recommended max. bit size	5.125 in	130 mm
Bore	3.13 in	79,5 mm
Piston weight	21.8 lb	9,9 kg
Stroke	4 in	101,6 mm
Max pressure differential	508 psi	35,0 bar
Make-up torque	4000 ft-lb	5416 Nm

Air consumption and impact frequency			
Air pressure	scfm	l/s	bpm**
100 psi / 6,9 bar	207	98	1165
150 psi / 10,3 bar	297	140	1320
200 psi / 13,8 bar	383	181	1486
250 psi / 17,2 bar	480	227	1618
300 psi / 20,7 bar	598	282	1710
350 psi / 24,1 bar	727	343	1835
400 psi / 27,6 bar*	831	392	2057
450 psi / 31 bar*	947	447	2254
500 psi / 34,5 bar*	1063	501	2449

* Estimated value

** Blows per minute

Operational specifications		
Feed force	2000-3000 lbs	9-13 kN
Rotation speed	60-90 rpm	

Secoroc QLX 40		
Product No.	Product code	Thread
89010117	9704-QX-00-10P-64-000	2 3/8" API Reg Pin (incl. pin-pin sub)

Bits mm (inch)	Product No.	Product code	No. of buttons x button diameter, mm (inch), shape	
			Gauge buttons	Front buttons
110 mm (4 5/16"), Flat front	90516005	100-5110-64-1210,10-20	8 x 14,5mm (9/16"), Spherical	7 x 12,7mm (1/2"), Spherical
115 mm (4 1/2"), Flat front	90516006	100-5115-64-1210,10-20	8 x 14,5mm (9/16"), Spherical	8 x 12,7mm (1/2"), Spherical
115 mm (4 1/2"), Flat front	90516450	100-5115-64-1228,10-20	8 x 15,8mm (5/8"), Semi-ballistic	6 x 12,7mm (1/2"), Semi-ballistic
120 mm (4 3/4"), Flat front	90516506	100-5120-64-1210,10-20	8 x 14,5mm (9/16"), Spherical	8 x 12,7mm (1/2"), Spherical
125 mm (4 15/16"), Flat front	90516227	100-5125-64-1210,10-20	8 x 14,5mm (9/16"), Spherical	10 x 12,7mm (1/2"), Spherical
130 mm (5 1/8"), Flat front	90516007	100-5130-64-1218,10-20	8 x 15,8mm (5/8"), Spherical	8 x 14,5mm (9/16"), Spherical
140 mm (5 1/2"), Flat front	90516447	100-5140-64-1218,10-20	8 x 15,8mm (5/8"), Spherical	10 x 14,5mm (9/16"), Spherical
152 mm (6"), Flat front	90516446	100-5152-64-1217,10-20	8 x 15,8mm (5/8"), Spherical	8 x 15,8mm (5/8"), Spherical
115 mm (1 1/2"), Speed bit	90516008	100-5115-64-1250,10-20	8 x 14,5mm (9/16"), Spherical	8 x 12,7mm (1/2"), Ballistic
120 mm (4 3/4"), Speed bit	90516516	100-5120-64-1250,10-20	8 x 14,5mm (9/16"), Spherical	8 x 12,7mm (1/2"), Ballistic
125 mm (4 15/16"), Speed bit	90516364	100-5125-64-1250,10-20	8 x 14,5mm (9/16"), Spherical	10 x 12,7mm (1/2"), Ballistic
130 mm (5 1/8"), Speed bit	90516365	100-5130-64-1250,10-20	8 x 14,5mm (9/16"), Spherical	10 x 12,7mm (1/2"), Ballistic
115 mm (4 1/2"), Concave	90003644	100-5115-64-0210,10-20	8 x 14,5mm (9/16"), Spherical	6 x 12,7mm (1/2"), Spherical
121 mm (4 3/4"), Concave	90516009	100-5121-64-0210,10-20	8 x 14,5mm (9/16"), Spherical	8 x 12,7mm (1/2"), Spherical
110 mm (4 5/16"), Rocket bit	90516010	100-5110-64-623A,10-20	8 x 12,7mm (1/2"), Ballistic	8 x 12,7mm (1/2"), Ballistic
115 mm (4 1/2"), Rocket bit	90516011	100-5115-64-623A,10-20	8 x 12,7mm (1/2"), Ballistic	8 x 12,7mm (1/2"), Ballistic
115 mm (4 1/2"), Rocket bit	90516012	100-5115-64-6210,10-20	8 x 14,5mm (9/16"), Spherical	8 x 12,7mm (1/2"), Spherical
Exhaust tube	90516004	9115		
Assembly tool	90516013	9141		



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