

Secoroc Rock Drilling Tools

Secoroc QLX 60/65 down-the-hole hammers



QLX – the latest in high performance DTH hammers

At Atlas Copco Secoroc, we keep looking for new ways of improving our customers' productivity. That's why we have taken the best from the TD hammer, added the best of the QL design, thrown in a few new ideas and created the Secoroc QLX 60 and QLX 65 down-the-hole hammers.

QLX 60 and QLX 65 are primarily deep hole hammers, but have also proven to be high performance hammers in mining applications.

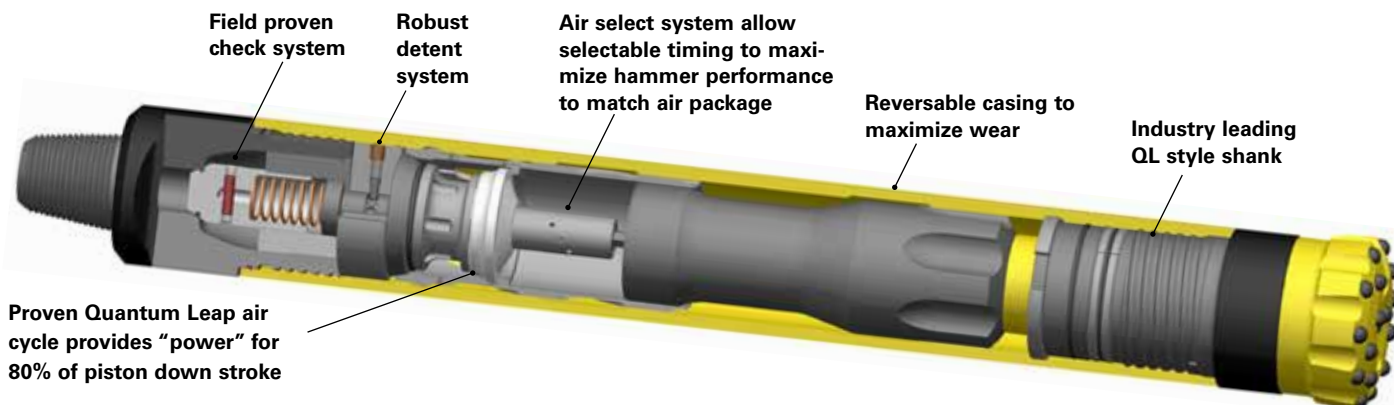
These new 6" hammers offer 20% more all-round performance than QL hammers and better water-logged deep hole drilling capacity than its predecessor, the TD hammer. They are benchmarks with the highest rate of penetration (ROP), and reliability that are a cut above the rest, thanks to solutions such as the new e-kit making servicing easier and quicker to execute. The QLX 65 has a thicker Heavy Duty (HD) casing for longer service life when drilling in abrasive rock formations.

The QLX 60 and QLX 65 have been stringently field tested, drilling almost 750 000 feet prior to the launch. They have proven outstanding in water well and mining applications, thanks to the air select feature that enables the QLX to match a variety of air packages while utilising the excess air for hammer power.

Sustainable Productivity

Atlas Copco

QLX 60/65 specifications



General specifications	QLX 60		QLX 65	
	Connection	3 1/2" API Reg pin		
Bit shank	QL 60			
Outside diameter	5.60 in	142,2 mm	5.88 in	149,4 mm
Length w/o bit shoulder to shoulder	42.9 in	1090,7 mm	42.9 in	1090,7 mm
Length with bit ext.	48.1 in	1222,3 mm	48.1 in	1222,3 mm
Length with bit retracted	46.6 in	1184,4 mm	46.6 in	1184,4 mm
Weight w/o bit	205 lb	93,2 kg	235 lb	104,8 kg
Backhead across flats	2 1/4"x4 AF	57,1x101,6 mm	2 1/4"x4 AF	57,1x101,6 mm
Recommended min. bit size	6.125 in	156 mm	6.50 in	165 mm
Recommended max. bit size	8.00 in	203 mm	8.00 in	203 mm
Bore	4.750 in	120,65 mm	4.750 in	120,65 mm
Piston weight	47 lb	21,4 kg	47 lb	21,4 kg
Stroke	3.75 in	95,3 mm	3.75 in	95,3 mm
Max. pressure differential	500 psi	34 bar	500 psi	34 bar
Make-up torque	6000 ft-lb	8135 N-m	6000 ft-lb	8135 N-m

Secoroc QLX 60/65			
Model	Product No.	Product code	Thread
QLX 60	52352465	9706-05-68-00	3 1/2" API Reg pin
QLX 65	52352473	9706-05-68-14	3 1/2" API Reg pin

Air consumption and impact frequency (with Air select on default setting 2)			
100 psi/ 6,9 bar	229 scfm	6,5 m ³ /min	1384 bpm
150 psi/ 10,3 bar	360 scfm	10,2 m ³ /min	1500 bpm
200 psi/ 13,8 bar	502 scfm	14,2 m ³ /min	1616 bpm
250 psi/ 17,2 bar	655 scfm	18,5 m ³ /min	1732 bpm
300 psi/ 20,7 bar	818 scfm	23,1 m ³ /min	1847 bpm
350 psi/ 24,1 bar	994 scfm	28,1 m ³ /min	1963 bpm
400 psi/ 27,6 bar	1160* scfm	32,9* m ³ /min	2078* bpm
450 psi/ 31,0 bar	1330* scfm	37,7* m ³ /min	2194* bpm
500 psi/ 34,5 bar	1499* scfm	42,5* m ³ /min	2309* bpm

* Estimated value

Operational specifications		
Feed force	2000-3000 lbs	8,9-13,3 kN
Rotation speed	30-60 rpm	

Bits mm (inch)	Product No.	Product code	No. of buttons x button diameter, mm (inch), shape	
			Gauge buttons	Front buttons
156 mm (6 1/8") Dual Gauge	90515716	100-5156-26-4211,08-12	10 x 16mm (5/8"), Spherical	10 x 16mm (5/8"), Spherical
156 mm (6 1/8") Concave	90515684	100-5156-26-0217,08-20	8 x 16mm (5/8"), Spherical	8 x 16mm (5/8"), Spherical
159 mm (6 1/4") Flat front	90515688	100-5159-26-1217,08-20	8 x 16mm (5/8"), Spherical	9 x 16mm (5/8"), Spherical
159 mm (6 1/4") Dual Gauge	90515717	100-5159-26-4211,08-12	10 x 16mm (5/8"), Spherical	10 x 16mm (5/8"), Spherical
165 mm (6 1/2") Flat front	90515589	100-5165-26-1211,08-20	10 x 16mm (5/8"), Spherical	10 x 16mm (5/8"), Spherical
165 mm (6 1/2") Flat front	90515706	100-5165-26-1312,08-20	9 x 19mm (3/4"), Spherical	9 x 16mm (5/8"), Spherical
165 mm (6 1/2") Speed bit	90515609	100-5165-26-1241,08-20	10 x 16mm (5/8"), Spherical	10 x 16mm (5/8"), Semi-Ballistic
165 mm (6 1/2") Concave	90515617	100-5165-26-0217,08-12	8 x 16mm (5/8"), Spherical	8 x 16mm (5/8"), Spherical
165 mm (6 1/2") Convex	90515652	100-5165-26-221B,08-20	10 x 19mm (3/4"), Ballistic	8 x 19mm (3/4"), Ballistic
171 mm (6 3/4") Flat front	90515595	100-5171-26-1211,08-20	10 x 16mm (5/8"), Spherical	9 x 16mm (5/8"), Spherical
171 mm (6 3/4") Concave	90515662	100-5171-26-0212,08-20	10 x 19mm (3/4"), Spherical	12 x 16mm (5/8"), Spherical
171 mm (6 3/4") Convex	90515634	100-5171-26-231B,08-20	9 x 19mm (3/4"), Ballistic	10 x 19mm (3/4"), Ballistic
171 mm (6 3/4") Convex	90516461	100-5171-26-231B,08-12	9 x 19mm (3/4"), Ballistic	10 x 19mm (3/4"), Ballistic
203 mm (8") Flat front	90514314	100-5203-26-1211,08-20	10 x 16mm (5/8"), Spherical	16 x 16mm (5/8"), Spherical