

# Secoroc Rock Drilling Tools

## Secoroc QLX 60 OG down-the-hole hammer



### QLX – the latest in high performance Oil and Gas 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 QLX 60 OG DTH hammer.

This new 6" hammer offers 20% more all-round performance than QL hammers and better water-logged deep hole drilling capacity than its predecessor, the TD hammer. The QLX 60 OG (with the new bit retrieval system) is a benchmark with the highest rate of penetration (ROP) and reliability, that is a cut above the

rest thanks to solutions such as the new e-kit making servicing easier and quicker to execute.

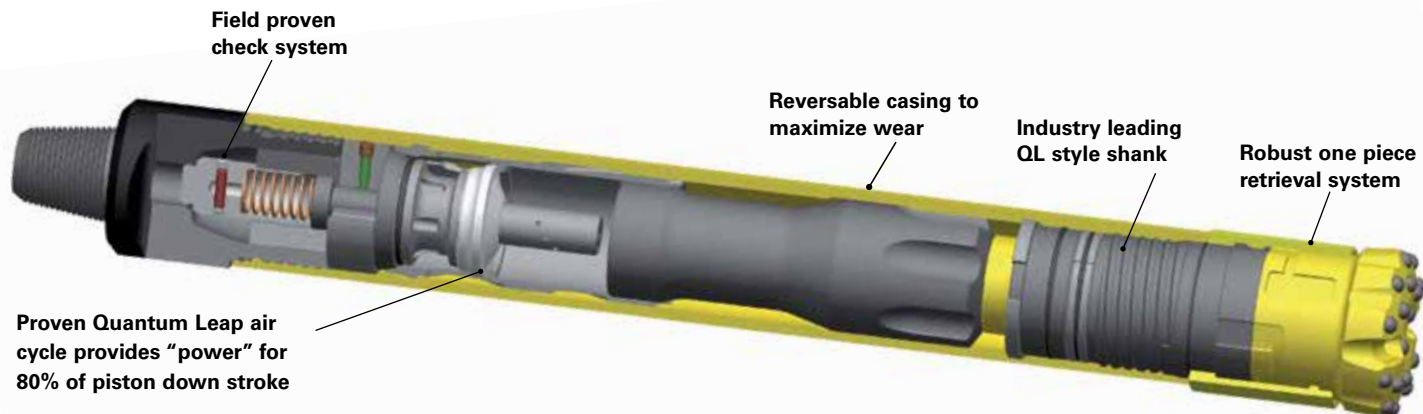
The QLX 60 OG has been stringently field tested, drilling almost 750 000 feet prior to the launch. It has proven outstanding in Oil and Gas thanks to the design of the hammer to consume a large amount of air that is used in Oil and Gas drilling. Operators can push more air through the hammer by using the option with the vented bit bearing.

The QLX 60 OG is the first of a completely new range of reliable, high performers with the latest technology.

*Sustainable Productivity*

*Atlas Copco*

# QLX 60 OG specifications



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

Secoroc QLX 60 OG		
Product No.	Product code	Thread
52354180	9706-QX-OG-14P-64-00R	3 1/2 API Pin, Retrieval chuck, Standard bearing
89010218	9706-QX-OG-14P-64-000	3 1/2 API Pin, Standard chuck, Standard bearing
89010219	9706-QX-OG-14P-64-00V	3 1/2 API Pin, Standard chuck, Vented bearing
89010220	9706-QX-OG-14P-64-00X	3 1/2 API Pin, Retrieval chuck, Vented bearing

Air consumption and impact frequency						
Pressure	with standard bearing			with vented bearing		
	scfm	m3/min	bpm	scfm	m3/min	bpm
250 psi/ 17,2 bar	822	23,3	1738	937	26.5	1440
300 psi/ 20,7 bar	1018	28,8	1855	1228	34.7	1704
350 psi/ 24,1 bar	1224	34,7	1971	1475	41.7	1878
400 psi/ 27,6 bar	1440	40,8	2086	1680	47.5	1956
450 psi/ 31,0 bar	1666	47,2	2200	1840	52.0	2067
500 psi/ 34,5 bar	1901	53,8	2312	1958	55.0	2162

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

## Bits

Atlas Copco Secoroc has also developed a special range of Oil and Gas diamond drilling bits. These CaliberXD drilling bits are armed with the worlds most advanced and durable polycrystalline diamond inserts keeping tripping and bit changes to a minimum.

**CALIBERXD**



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