

Secoroc Rock Drilling Tools

Secoroc QLX 100 OG down-the-hole hammer



Atlas Copco Secoroc is constantly striving to expand the superior productivity of our DTH hammers to cover all areas of DTH drilling, no matter the hole size. The Secoroc QLX 100 OG is the newest addition to our high performance, deep hole product assortment.



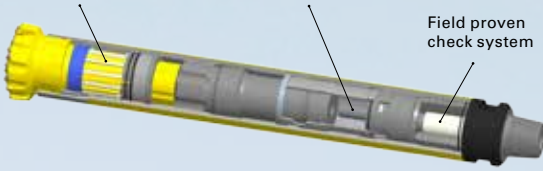
Sustainable Productivity

Atlas Copco

Industry leading QL style shank, equipped with drive pins to eliminate metal to metal friction

Quantum Leap air cycle provides power for 80% of piston down stroke

Field proven check system



Maximum performance

The Secoroc QLX 100 OG 10" class hammer is equipped with the most reliable features from the industry leader in 12" hammers – the QL 120 hammer. It delivers the maximum performance you have come to expect from the QLX line.

With the perfectly matched “shank to bit head ratio” and the hybrid QL valve cycle, the QLX 100 OG has proven to be a cut above the rest in both field trials and lab testing.

Customer benefits

- Field proven “R4” retrieval system
- Available with new one piece design integrated Hydrocyclone
- High air consumption to maximum hole cleaning
- Highest ROP of any 10" hammer on the market





QLX 100 OG specifications

General	Imperial	Metric
Connection	6-5/8 Reg. pin	6-5/8 Reg. pin
Outside diameter	9.00 in	228,6 mm
Length, shoulder to shoulder, less bit	63.8 in	1620,5 mm
Length, bit extended	72.2 in	1833,9 mm
Length, bit retracted	70.4 in	1788,2 mm
Weight, less bit	1 007 lb	456,8 kg
Backhead flats	2.5" x 7" AF	63,5 mm x 178 mm AF
Minimum bit size	9.875 in	251 mm
Maximum bit size	11 in	279 mm
Bore	7.5 in	190,5 mm
Piston weight	180 lb	81,6 kg
Stroke	4.75 in	120 mm
Max pressure differential	500 psi	34,5 bar
Make up torque	10 000 ft-lb	1130 Nm

Operational specifications

General	Imperial	Metric
Feed force	4 000-5 000 lb	17,8-22,2 kN
Rotation speed	20-40 rpm	20-40 rpm

Secoroc QLX 100 OG

Model	Product No.	Product code	Threaded connection
QLX 100 OG - STD	89010474	9710-QX-OG-18P-40-00D	6-5/8 Reg Pin
QLX 100 OG - RET	89010479	9710-QX-OG-18P-40-00R	6-5/8 Reg Pin
QLX 100 OG - HC	89010534	9710-QX-OG-18P-40-0H0	6-5/8 Reg Pin
QLX 100 OG - HC - RET	89010535	9710-QX-OG-18P-40-0HR	6-5/8 Reg Pin

Air consumption

Pressure	Flow (imperial)	Flow (metric)
100 psi, 6.9 bar	1,097 scfm	31.0 m ³ /min
100 psi, 6.9 bar (frequency)	827 bpm	827 bpm
150 psi, 10.3 bar	1,400 scfm	39.6 m ³ /min
150 psi, 10.3 bar (frequency)	910 bpm	910 bpm
200 psi, 13.8 bar	1,784 scfm	50.5 m ³ /min
200 psi, 13.8 bar (frequency)	993 bpm	993 bpm
250 psi, 17.2 bar	2,250 scfm	63.7 m ³ /min
250 psi, 17.2 bar (frequency)	1,075 bpm	1,075 bpm
300 psi, 20.7 bar	2,797 scfm	79.2 m ³ /min
300 psi, 20.7 bar (frequency)	1,158 bpm	1,158 bpm
350 psi, 24.1 bar	3,427 scfm	97.0 m ³ /min
350 psi, 24.1 bar (frequency)	1,240 bpm	1,240 bpm

Bit selection

Product No.	Description	Product code
59000180	9-5/8Q10R4XHG12XXXGPX	1RF-6244-40-431M,08-A1
59000178	9-5/8Q10R4XAG12XXXGPX	1RF-6244-40-331M,08-A1
59000179	9-5/8Q10R4XAG12XXX	1RO-6244-40-331M,08-A1
59000181	9-7/8Q10R4XHG12XXXGPX	1RF-6251-40-431M,08-A1
59000167	9-7/8Q10R4XAG12XXXGPX	1RF-6251-40-331M,08-A1
59000168	9-7/8Q10R4XAG12XXX	1RO-6251-40-331M,08-A1
59000182	10-5/8Q10R4XHG12XXXGPX	1RF-6270-40-431M,08-A1
59000189	10-5/8Q10R4XHG12YYY	1RO-6270-40-431M,08-A2
59000188	10-5/8Q10R4XHG12YYY	1RO-6270-40-431M,08-A5
59000174	10-5/8Q10R4XAG12XXXGPX	1RF-6270-40-331M,08-A1
59000175	10-5/8Q10R4XAG12XXX	1RO-6270-40-331M,08-A1
59000172	10-7/8Q10R4XAG12XXXGPX	1RF-6276-40-331M,08-A1
59000173	10-7/8Q10R4XAG12XXX	1RO-6276-40-331M,08-A1
59000190	10-7/8Q10R4XHG12YYY	1RO-6276-40-431M,08-A5
59000191	10-7/8Q10R4XHG12YYY	1RO-6276-40-431M,08-A2
59000176	10-7/8Q10R4XHG12XXXGPX	1RF-6276-40-431M,08-A1
59000177	10-7/8Q10R4XHG12XXX	1RO-6276-40-431M,08-A1
59000183	11Q10R4XHG12XXXGPX	1RF-6279-40-431M,08-A1