

SECOROC - QL40 DOWN-THE-HOLE HAMMER



*Designed for quarrying, constructions,
exploration and mining drilling applications*



SECOROC QL 40 DOWN-THE-HOLE HAMMER

The QL 40 DTH Hammer is an application specific tool. This hammer offers good penetration rates, longer service life and high level of reliability.

Design and function:

Designed to operate in 10 to 25 bar pressure range, the QL 40 hammer is primarily aimed for Quarry drilling but is also suitable for Construction, Mining and Exploration drilling applications. Disc valve and a heavy piston provide this hammer a high level of reliability associated with longer service life.

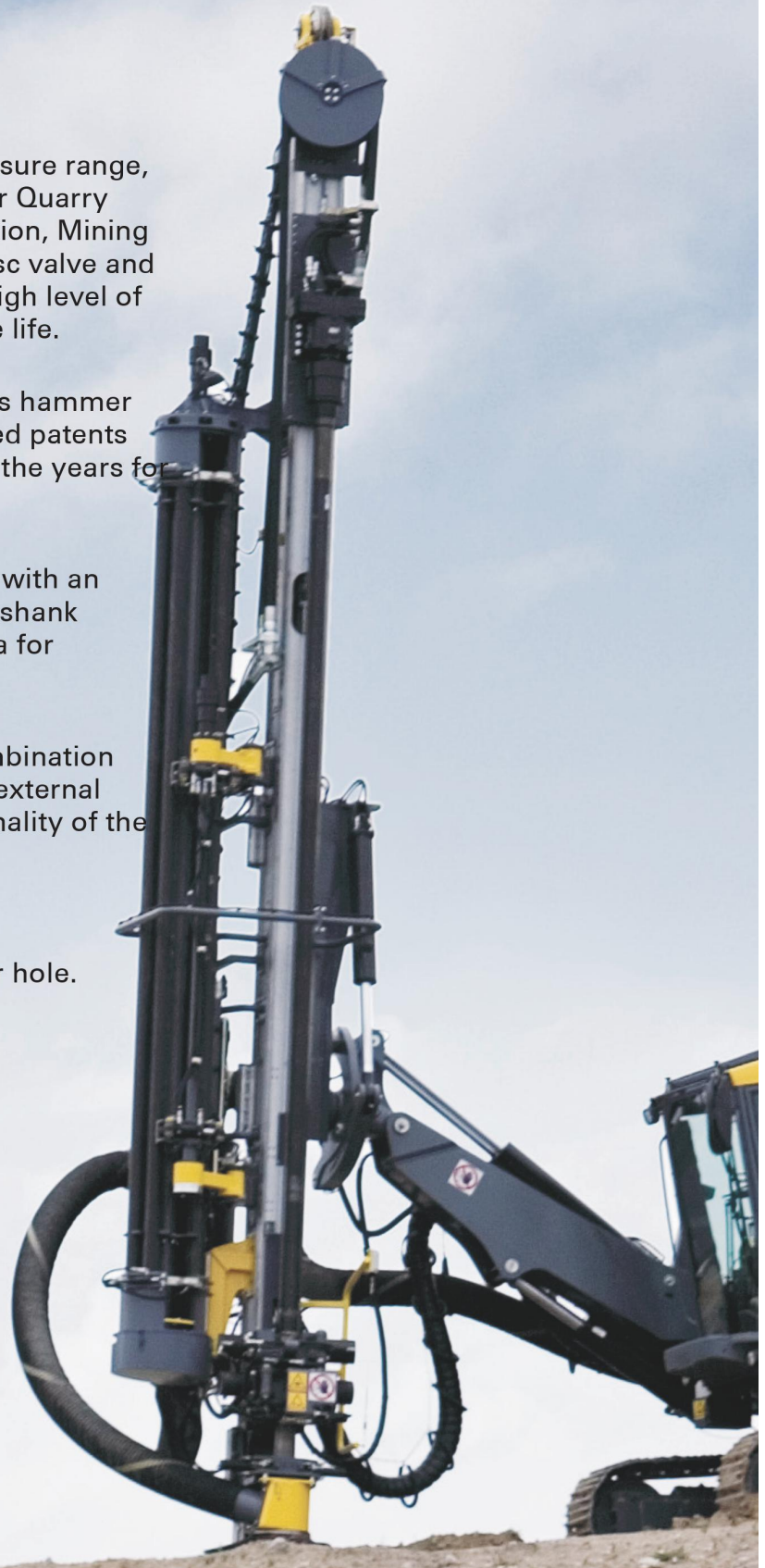
The Valve air regulation employed in this hammer is based on many proven and established patents of Ingersoll Rand, well recognized over the years for reliability of operation.

The hammer tool supports QL 40 shank with an exhaust tube. The 10 spline shaft of the shank features availability of large contact area for intermeshing of splines.

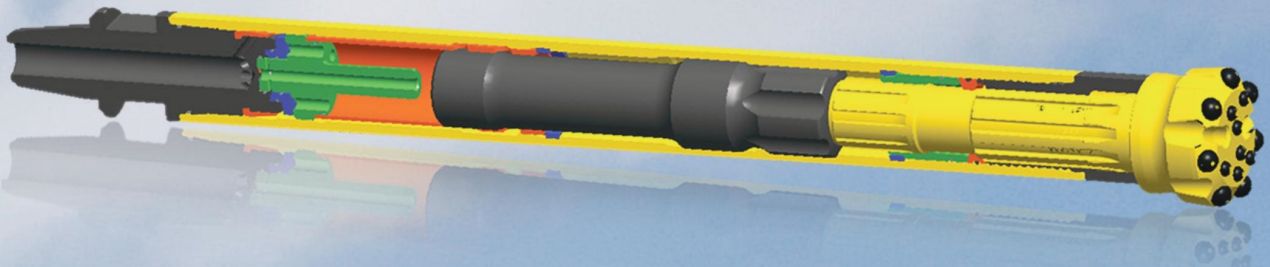
The proven Check valve and Spring combination offers better protection from ingress of external water and cuttings for optimum functionality of the hammer.

Secoroc QL 40 offerings:

QL 40 drills 115 mm and above diameter hole.



SECOROC QL 40 SPECIFICATIONS



General Specifications		
Drill pipe connection	API 2 3/8 in Reg. Pin	
Bit shank code / type	QL 40	
Length w/o bit shoulder to shoulder	946.1 mm	37.25 in
Length with bit extended	1056.2 mm	41.58 in
Length with bit retracted	1021.2 mm	40.2 in
Weight w/o bit	35.4 kg	77.9 lbs
Backhead across flats	63 mm	2.48 in
Rec. bit size	115 mm & above	4.52 in & above
Outside diameter	93.7 mm	3.69 in
Piston weight	8.0 kg	17.6 lbs
Maximum Operating Pressure	24 bar	350 psi

QL 40 Hammer		
Product no.	Product code	Connection
93501833	9704-03-50-00-H1150450	API 2 3/8 in Reg. Pin

Air Consumption	
Pressure	I/s (Scfm)
10 bar/150 psi	110.8 (234.8)
15 bar/217 psi	168.5 (357)
20 bar/290 psi	225.7 (478.2)
24 bar/350 psi	271.1 (574.4)

Bits	Product No.	Product Code	Number of button x button diameter, mm, shape	
			Gauge Buttons	Front Buttons
115 mm, Flat front	93501234	100-5115-24-1210,33-12	7 x 16, Spherical	8 x 14.5, Spherical
115 mm, Flat front	93501237	100-5115-24-121G,33-12	7 x 19, Spherical	7 x 12.7, Spherical
115 mm, Flat front	93501238	10W-5115-24-121G,33-12	7 x 19, Spherical	7 x 12.7, Spherical
115 mm, Flat front	93501342	100-5115-24-1210,33-08	8 x 14.3, Spherical	7 x 12.3, Spherical
115 mm, Flat front	93501363	100-5115-24-1210,33-14	8 x 14, Spherical	7 x 12, Spherical
115 mm, Flat front	93501871	100-5115-24-1210,33-12	9 x 14.5, Spherical	7 x 12.7, Spherical
150 mm, Flat front	93501361	100-5150-24-1217,33-12	8 x 16, Spherical	8 x 16, Spherical
165 mm, Flat front	93501239	100-5165-24-1218,33-12	8 x 16, Spherical	9 x 14, Spherical
Foot valve	93501653	FV-QL4 EXHAUST TUBE		

