



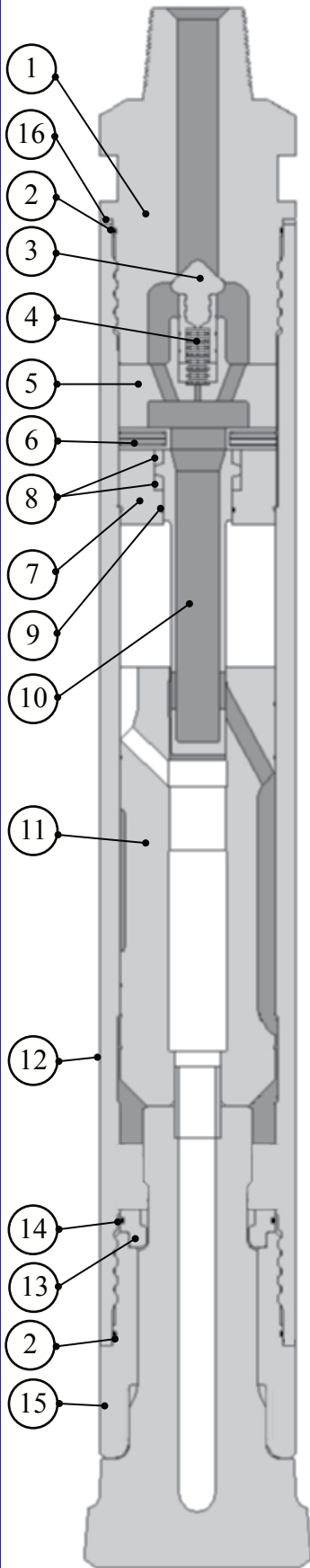
HYPER 121
Manufacturers of Rock Drilling Equipment

HYPER 121

QL120 DTH HAMMER

Technical Brochure





Hyper 121 QL120 D.T.H Hammer

311mm (12¼") - 445mm (18") dia. Holes

The Bulroc Hyper 121 QL120 hammer is a valveless DTH hammer designed to operate efficiently at pressures ranging from 7 to 17.2 bar (100 250 psi).

The Hyper 121 QL120 is supplied with a 6 3/8" API regular pin backhead and is fitted with a positive seating check valve as standard.

In addition to the standard Hyper 121 button bits, the Hyper 121 QL120 can be modified to accept bits with Mission SD12 and DHD112 shank design by replacing the Chuck, Piston, Bit retainer, Wearsleeve and backhead.

Component Parts

Ref	Description	Part Number	Qty
1	Backhead 6 3/8" reg Pin	HSH1213880M120	1
2	Backhead / Chuck 'O' Ring	HSH12114	2
3	Check Valve	HSH12108	1
4	Check Valve Spring	HSH12110	1
5	Diverter	HSH12120	1
6	Compression Buffer	HSH12128	1
7	Control Tube Holder	HSH12131	1
8	Control Tube Buffers	HSH12129	2
9	Control Tube 'O' Ring	HSH12130A	1
10	Control Tube	HSH12130120	1
11	Piston	HSH12103120	1
12	Wearsleeve	HSH12100120	1
13	Bit Retainer (pair)	HSH12137120	1
14	Bit Retaining 'O' Ring	HSH12137AST	1
15	Chuck	HSH12135120	1
16	Breakout Washer Backhead	HSH12126120	1
	Complete Hammer	BR121H04	

Hammer Specification

	Imperial	Metric
Weight (less bit)	1681 lbs	763 Kgs
Length (less bit)	74.39"	1889 mm
Outside dia.	11 1/4"	286 mm
Bore dia.	8.5"	216mm
Piston weight	275 lbs	125 Kg
Stroke	5"	127 mm

Air Consumption

PSI	BAR	C.F.M	Cu. Mtr / min
100	7.00	592	16.80
150	10.30	1087	30.80
200	13.80	1674	47.40
250	17.20	2338	66.20



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