



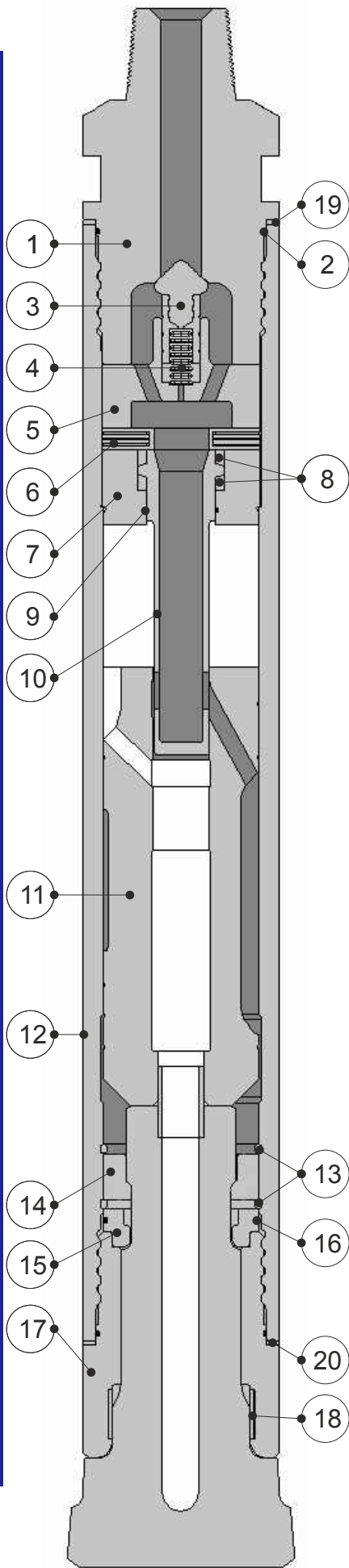
**HYPER 121**  
Manufacturers of Rock Drilling Equipment

# HYPER 121 DTH HAMMER

N120/SD12/DHD112

**Technical Brochure**





## Hyper 121 Valveless Hammer 302mm (11<sup>7</sup>/<sub>8</sub>" ) - 445mm (17<sup>1</sup>/<sub>2</sub>" ) dia. Holes

The Bulroc Hyper 121 Hammer is designed to operate over a wide range of operating air pressures.

A 6<sup>5</sup>/<sub>8</sub>" API reg. pin backhead is supplied as standard.

The Hyper 121 is fitted with a positive seating water check valve and is supplied as standard fitted with a solid choke.

In addition to the standard N120 button bit, the hammer can easily be modified to accept button bits with Mission SD12 and Ingersoll Rand DHD112 shank design by simply replacing the Chuck, bit retainers, bit bearing and piston.

### COMPONENT PARTS

Ref	Description	Part Number
1	Backhead 6 <sup>5</sup> / <sub>8</sub> " reg Pin	HSH1213880M
2	Backhead / Chuck 'O' Ring	HSH12114
3	Check Valve	HSH12108
4	Check Valve Spring	HSH12110
5	Diverter	HSH12120
6	Compression Buffer	HSH12128
7	Control Tube Holder	HSH12131
8	Control Tube Buffers (2)	HSH12129
9	Control Tube 'O' Ring	HSH12130A
10	Control Tube	HSH12130
11	Piston	HSH12103050
12	Wearsleeve	HSH12100
13	Piston Retaining Rings (2)	HSH12132
14	Bit Bearing	HSH12187
15	Bit Retainer (pair)	HSH12137050
16	Bit Retainer 'O' Ring	HSH12137AST
17	Chuck	HSH12135050
18	Chuck Bearing	HSH12135050BE
19	Breakout Washer backhead	HSH12126
20	Breakout Washer chuck	HSH12125
<b>Complete Hammer</b>		<b>BR121H01</b>

### HAMMER SPECIFICATIONS

	English	Metric
Weight (less bit)	1487 lbs	675 kgs
Length (less bit)	74.39"	1889mm
Outside dia.	10.7"	272mm
Bore dia.	8.5"	216mm
Piston weight	275 lbs	125 kg
Stroke	5"	127mm

### AIR CONSUMPTION

PSI	BAR	C.F.M.	Cu. Mtr / min
100	7	592	16.8
150	10.3	1087	30.8
200	13.8	1674	47.4
250	17.2	2338	66.2