

# HYPHER 181

## DTH HAMMER

### SD18



# Technical Specification

## Robit® HYPER 181 (SD18)

### Valveless Hammer 458 mm (18") - 660 mm (26") dia. Holes

The Robit Hyper 181 hammer is a valveless DTH Hammer designed to operate efficiently at pressures ranging from 7 to 15.5 bar (100 to 225 psi). The Hyper 181 is supplied with a 8 $\frac{5}{8}$ " api reg pin backhead as standard but a 8 $\frac{5}{8}$ " api reg box backhead can be supplied. In addition to this Hyper 181 SD18 model, the hammer can easily be modified to accept bits with Numa 180 and QL200 shank design by simply replacing the Chuck, Piston, Bit retainer and Bearing.

#### Component parts

1	Backhead	HSH1813882M
2	Backhead 'O' Ring	HSH18114
3	Check Valve	HSH18108
4	Check Valve Spring	HSH18110
5	Valve Chest	HSH18107
6	Compression Buffer	HSH18128
7	Buffer Cover	HSH18173
8	Tube Holder	HSH18131
9	Tube Buffers (2)	HSH18129
10	Tube 'O' Ring	HSH18130A
11	Control Tube	HSH18130
12	Piston	HSH18103096
13	Wearsleeve	HSH18100
14	Bit Retaining Ring	HSH18137096
15	Chuck	HSH18135096
16	Chuck Bearing	HSH18135096BE
17	Breakout Washer	HSH18126
<b>Complete Hammer</b>		<b>BR181H02</b>

#### Air consumption (Pressure at Compressor)

PSI	BAR	m <sup>3</sup> /min	ft <sup>3</sup> /min
100	6.9	30.8	1088
125	8.6	43.1	1520
150	10.3	56.6	1999
175	12.0	71.3	2518
200	13.8	87.1	3077
225	15.5	103.4	3672

#### Hammer specification

	Imperial	Metric
Weight (less bit)	3545 lbs	1608 kg
Length (less bit)	88.75"	2255 mm
Outside dia.	16"	406 mm
Piston weight	730 lbs	330 kg

