

HYPHER 31 DTH HAMMER



Technical Specification

Robit® HYPER 31

Valveless Hammer 90 mm (3½") - 100 mm (4") dia. Holes

The new shorter and highly dependable Hyper 31 hammer is designed for drilling 90 mm - 100 mm (3½" to 4") diameter holes. The simple yet rugged design minimises the amount of components and overall length for ease of maintenance. For optimum performance the Hyper 31 is most effective at medium to high air pressures ranging from 10 to 24 bar (150 to 350 psi). It comes with industry standard 2⅜" api reg. pin backhead and DHD 3.5 bit shank fitting. Alternative bit fitting Mach33 is also available on request.

Component parts

Ref	Description	Part number
1	Backhead	HSH313801M
2	Backhead 'O' ring	IPBOR01
3	Check valve	IPRCV01
4	Check valve spring	IPRCVS01
5	Compression ring	HSH3128
6	Diverter	HSH3120
7	Piston DHD 3.5	HSH3103040
8	Wearsleeve	HSH3100
9	Piston retaining ring	HSH3132
10	Bit retaining 'O' ring	IPBOR01
11	Bit retainer DHD 3.5	HSH3137040
12	Breakout washer	HSH3126
13	Chuck DHD 3.5	HSH3135040
Complete Hammer		BR31H40

Air consumption

PSI	BAR	m ³ /min	ft ³ /min
100	6.9	1.42	50.04
125	8.6	1.98	69.93
150	10.3	2.60	91.93
175	12.0	3.28	115.84
200	13.8	4.01	141.53
225	15.5	4.78	168.88
250	17.2	5.60	197.80
275	19.0	6.46	228.20
300	20.7	7.36	260.01
325	22.4	8.30	293.18
350	24.2	9.28	327.66

Hammer specification

	Imperial	Metric
Weight (less bit)	49.5 lbs	22.5 kg
Length (less bit)	32.75"	832 mm
Outside dia.	3.12"	79.2 mm
Piston weight	10.78 lbs	4.9 kg

