

# HYPHER 241 HZ HORIZONTAL DRILLING DTH HAMMER



**Robit**  
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# Technical Specification

## Robit HYPER 241 HZ (horizontal drilling)



### Valveless Hammer 610 mm (24") - 864 mm (34") dia. Holes

The Robit Hyper 241 HZ Hammer is a DTH Hammer designed for horizontal drilling with an operating pressure range of 100 to 350 psi (6.9 to 24 Bar). The hammer is supplied with a 8 5/8" API Reg Pin Backhead, but alternative connections can be offered on request. The H241HZ is designed to operate without a footvalve (blowtube) in the button bit, so before fitting the button bit into this hammer the footvalve must be removed. This hammer is supplied to suit N240 shank type button bits as standard.

#### Component parts

Ref	Description	Part number
1	Backhead Adapter 8 5/8" Reg Pin	HSH2413682M
2	Backhead Adapter Breakout Washer	HSH24127
3	Check Valve	HSH18108
4	Check Valve Spring	HSH24110
5	Internal Washer Adapter	HSH24106
6	Valve Chest	HSH24104
7	Compression Buffer	HSH24128
8	Tube Buffers (2)	HSH24129
9	Control Tube	4000121
10	Backhead	HSH24138
11	Internal Backhead 'O' Ring	HSH24114A
12	Backhead 'O' Ring	HSH24114
13	Breakout Washer Backhead and Chuck	HSH24125
14	Piston	4000122
15	Wearsleeve	4000119
16	Bit Retainer 'O' Ring (2)	HSH24137A240
17	Bit Retainer	HSH24137240
18	Bearing 'O' Ring (2)	9001743
19	Bearing	HSH24102HZ
20	Chuck	HSH24135240
21	Chuck Bearing	HSH24135240BE
<b>Complete Hammer</b>		<b>BR241H01HZ</b>

#### Air consumption (Pressure at Compressor)

PSI	BAR	m <sup>3</sup> /min	ft <sup>3</sup> /min
100	6.9	71.5	2524.8
150	10.3	131.4	4638.4
200	13.8	202.2	7141.2
250	17.2	282.6	9980.2
300	20.7	371.5	13119.3
350	24.1	468.2	16532.2

#### Hammer specification

	Imperial	Metric
Weight (less bit)	5820 lbs	2640 kg
Length (less bit)	91.78"	2331 mm
Outside dia.	21"	533 mm
Piston weight	1290 lbs	585 kg

