



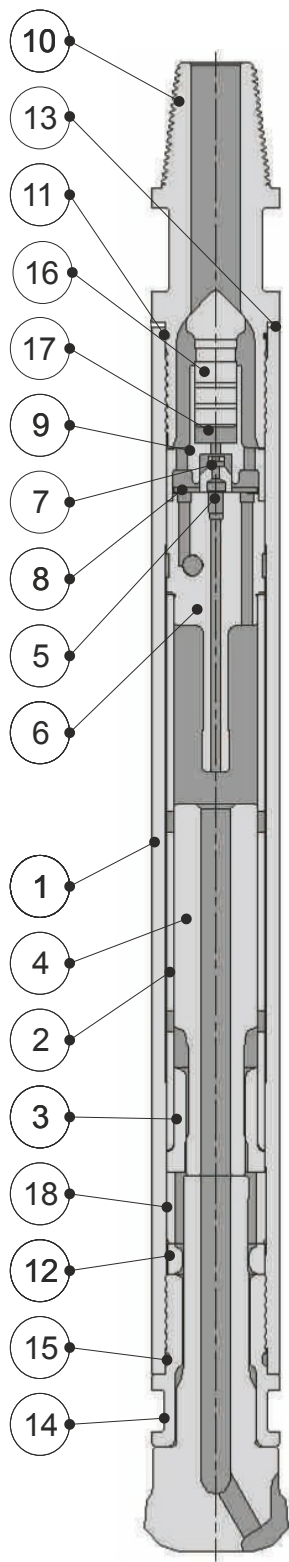
BR3 / BR33

VALVED DTH HAMMER

Technical Brochure



Certificate Number 2446/00
ISO9001



Bulroc Valved Type Hammer

BR3 (85-95mm) BR33 (90-100mm) dia hole

The BR3 and BR33 are both valved type hammers designed for high performance at low operating air pressures.

Simplicity of design, ease of service and low air consumption are all factors which combine to make these hammers robust and reliable drilling tools.

Both hammers are available as standard with 2³/₈" API Reg. pin.

The BR3 and BR33 hammers both incorporate a positive fitting check valve to guard against the ingress of ground water debris when the air is shut off.

COMPONENT PARTS

Ref	Description	Part No BR3	Part No BR33
1	Wearsleeve	HSB3S00	HSB3300
2	Inner Cylinder	HSB3S01	HSB3301
3	Bearing	HSB3S02	HSB3302
4	Piston	HSB3S03	HSB3303
5	Air Metering Plug	IPP03	IPP03
6	Bevelled Valve Housing	HSB3S04	HSB3304
7	Centraliser	IPC1	IPC1
8	Disc Valve	IPCDV1	IPCDV1
9	Valve Chest	HSB3S07	HSB3307
10	Backhead	HSB3S3801M	HSB333801M
11	Backhead 'O'Ring	IPBOR01	IPBOR01
12	Bit Retaining Ring	HSB3S37ST	HSB3337018
13	Backhead Spacer	HSB3S12	IPBS04
14	Chuck	HSB3S35ST	HSB3335018
15	Chuck Seal	HSB3S13	IPBS01
16	Check Valve	IPRCV01	IPRCV01
17	Spring	IPPRCVS01	IPRCVS01
18	Split Spacer	HSB3S36ST	HSB3336ST
Complete Hammer		BR3S01	BR33S01

BUTTON BITS

Bit Dia.	BR3	BR33
85	BBS013DH085	
90	BBS013DH090	BBS018DH090
95	BBS013DH095	BBS018DH095
100		BBS018DH100

HAMMER SPECIFICATIONS

	BR3		BR33	
	English	METRIC	English	Metric
Weight (less bit)	48.5 lbs	22 kgs	55 lbs	25 kgs
Length (less bit)	30.2"	768 mm	30.2"	768 mm
Outside dia.	3.07"	78 mm	3.225"	82 mm
Piston Weight	5.5 lbs	2.5 kgs	7.3 lbs	3.3 kgs
Stroke	4.0"	101 mm	4.0"	101 mm

AIR CONSUMPTION

PSI	Bar	Hammer	CFM	M ³ /min
100	7	BR3	38.33	1.09
		BR33	53.86	1.53
150	10.3	BR3	70.42	1.99
		BR33	98.95	2.80
200	13.8	BR3	108.41	3.07
		BR33	152.34	4.31
250	17.2	BR3	151.51	4.29
		BR33	212.90	6.03