Drill King International

HABC20-50
DTH HAMMER (DK20)



Key features

- BR2 design
- Valved design for low air pressures
- Standard bit diameters 2.75”-3.5” (70-90mm)
- Repair & Rebuild kits available for easy and cost effective maintenance

TECHNICAL BROCHURE

Part List (DK20)-RD50

NO	Part Name	QTY	Part Number
1	Top Sub	1	HPDK02002
2	Top Sub O-Ring	1	HPDK02003
3	Check Valve	1	HPDK02007
4	C.V. Spring	1	HPDK02009
5	Guide	1	HPDK02004
6	Centralizer	1	HPDK02006
7	Disk Valve	1	HPDK02005
8	Choke Set	1	HPDK02008
9	Air Distributor	1	HPDK02010
10	Piston	1	HPDK02014
11	Cylinder	1	HPDK02012
12	Bit Bearing	1	HPDK02020
13	Wear Sleeve	1	HPDK02001
14	Spacer	1	HPDK02023
15	Bit Ret. Ring	1	HPDK02018
16	Chuck Seal	1	HPDK02024
17	Chuck	1	HPDK02022
	Repair kit (Items 2, 3, 4, 6, 7, 8,15, 16, 17)		HPDK02-BR2REP KIT
	Complete Hammer		**HABC20-50**

Dimensions & Weights

Top Sub connection	RD50 Box
Eff. Length (in / mm)	31.4 / 798
OD (in / mm)	2.44 / 62
Hammer Weight (lbs / Kg)	28.6 / 13
Piston Weight (lbs / Kg)	4 / 1.82

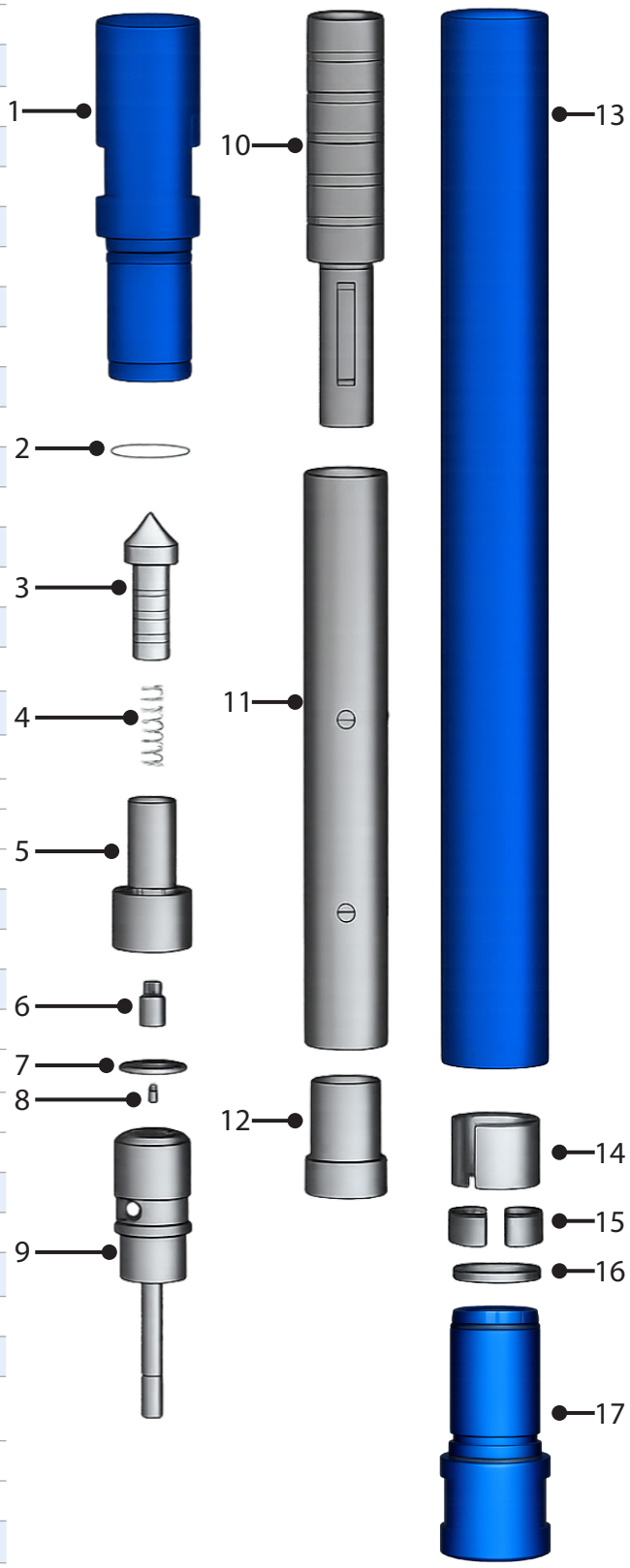
Drilling Parameters

Working Pressure (PSI / Bar)	100-250 / 6.9-17.2
Application Bit (in / mm)	2.75-3.5 / 70-90
Rotation Speed (RPM)	23-28
Assembly Make-Up Torque (lb·Ft / N·m)	1500 / 2034
Rotation Torque (lb·Ft / N·m)	350 / 475
Frequency (blows / min)	979-1548

Air Consumption

PSI	BAR	CFM	M3 /Min
100	7	27	0.75
150	10.3	49	1.4
200	13.8	76	2.13
250	17.2	105	2.98

Exploded view



Note: Drilling Parameters given are guideline only

Drill King International

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