Drill King International

HADK-A800I

DTH HAMMER (IR380)



Key features

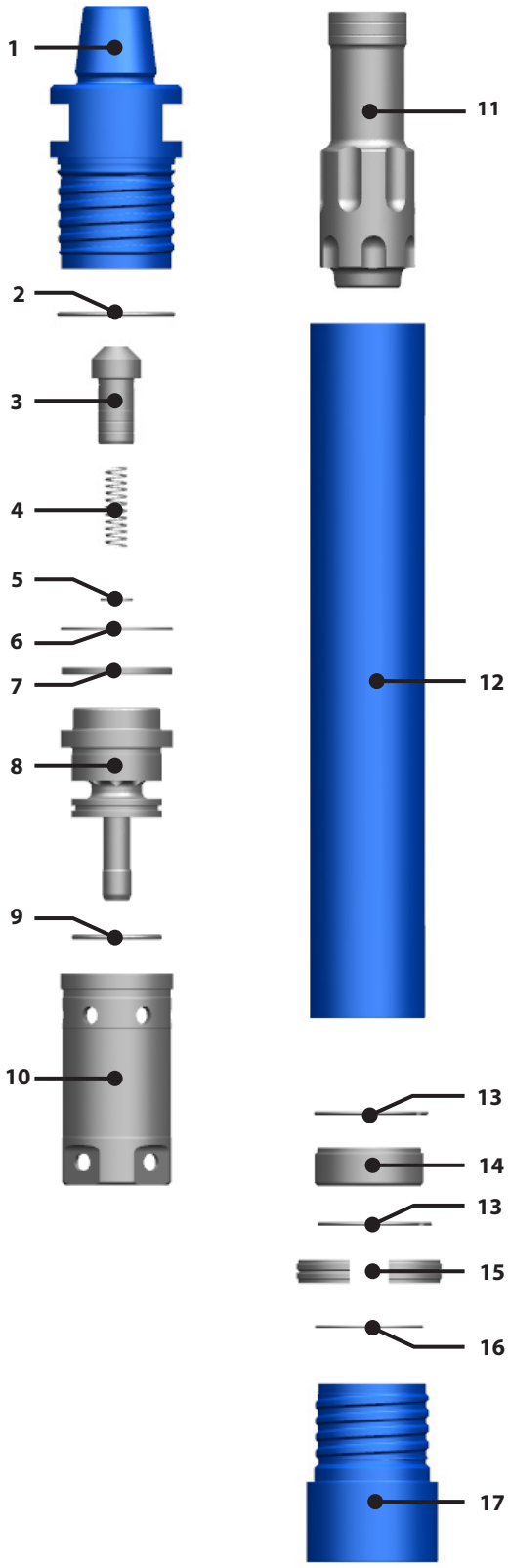
- Repair & Rebuild kits available for easy and cost effective maintenance
- High frequency design for faster penetration rates
- Available for other common bit shanks QL and SD
- Customizable options for open hole or cased hole projects

TECHNICAL BROCHURE

Parts List (IR380)

NO	Part Name	Qty	Part Number
1	Top Sub	1	HPDK-A8002
2	Top Sub O-Ring	1	See Sealkit
3	Check Valve	1	HPDK-A8007
4	C.V. Spring	1	HPDK-A8009
5	Choke Set	1	HPDK-A8008
6	Press Ring	1	HPDK-A8023
7	Make Up Ring	1	HPDK-A8006
8	Air Distributor	1	HPDK-A8010-LYT-WGT
9	Air Dis. O-Ring	1	See Sealkit
10	Cylinder	1	HPDK-A8012
11	Piston	1	HPDK-A8014-LYT-WGT
12	Wear Sleeve	1	HPDK-A8001
13	Snap Ring	2	HPDK-A8021
14	Bit Bearing	1	HPDK-A8020
15	Bit Ret. Ring	1	HPDK-A8018
16	Bit Ret. Ring O-Ring	1	See Sealkit
17	Drive Sub	1	HPDK-A8022
	Sealkit (Items 2, 9, 16)		HPDK-A80SEALKIT
	Complete Hammer		**HADK-A800I**

Exploded view



Dimensions & Weights	
Top Sub Connection	4 1/2" API REG PIN
Eff. Length (in / mm)	51.62 / 1311
OD (in / mm)	7.16 / 182
Hammer Weight (lbs / Kg)	405 / 184
Piston Weight (lbs / Kg)	84 / 38.1

Drilling Parameters	
Working Pressure (PSI / Bar)	50-350 / 10.3-24
Application Bit (in / mm)	7.87-10.63 / 200-270
Rotation Speed (RPM)	10-30 RPM
Assembly Make-Up Torque (lb·Ft / N·m)	7000 / 9492
Rotation Torque (lb·Ft / N·m)	1750 / 2373
Frequency (blows / min)	1425

Air Consumption

PSI	BAR	CFM	M^3/Min
150	10.3	496	14.08
250	17.2	820	23.2
350	24.1	1264	35.76

Note: Drilling Parameters given are guideline only

Drill King International

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