Drill King International

HADK-A30I

DTH HAMMER (IR3.5)



Key features

- Repair & Rebuild kits available for easy and cost effective maintenance
- High frequency design for fastest penetration rates
- Designed around single IR/DHD bit shank for optimal performance

TECHNICAL BROCHURE

Parts List (IR3.5)

NO	Part Name	Qty	Part Number
1	Top Sub	1	HPDK-A3002
2	Top Sub O-Ring	1	See Sealkit
3	Choke Set	1	HPDK-A3008
4	Check Valve	1	HPDK-A3007
5	C.V. Spring	1	HPDK-A3009
6	Spacer Ring	1	HPDK-A3005
7	Make Up Ring	1	HPDK-A3006
8	Air Distributor	1	HPDK-A3010
9	Air Dis. O-Ring	1	See Sealkit
10	Cylinder	1	HPDK-A3012
11	Piston	1	HPDK-A3014
12	Wear Sleeve	1	HPDK-A3001
13	Piston Ret. Ring	1	HPDK-A3017
14	Bit Bearing	1	HPDK-A3020
15	Bit Ret. Ring	1	HPDK-A3018
16	Bit Ret. Ring O-Ring	1	See Sealkit
17	Drive Sub	1	HPDK-A3022
	Sealkit (Items 2, 9, 16)		HPDK-A30SEALKIT
	Complete Hammer		**HADK-A30I**

Dimensions & Weights

Top Sub Connection	2-3/8 API REG PIN
Eff. Length (in / mm)	31.29 / 794.7
OD (in / mm)	3.35 / 85.1
Hammer Weight (lbs / Kg)	53 / 24
Piston Weight (lbs / Kg)	8.4 / 3.82

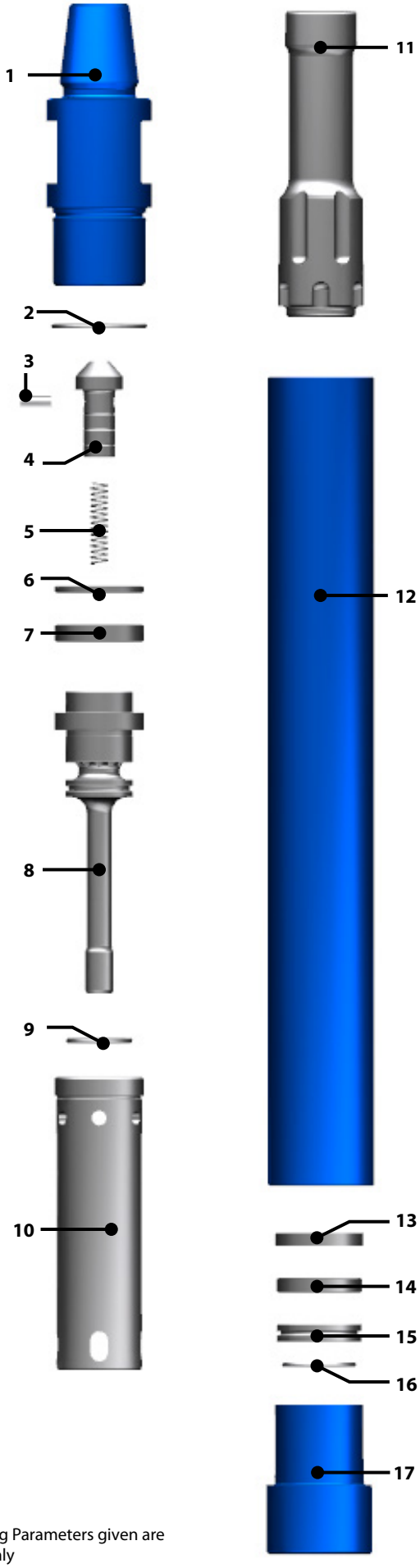
Drilling Parameters

Working Pressure (PSI / Bar)	150-350 / 10.3-24.1
Application Bit (in / mm)	3.5-4.1 / 89-104
Rotation Speed	20-60 RPM
Assembly Make-Up Torque (lb·Ft / N·m)	2000 / 2712
Rotation Torque (lb·Ft / N·m)	500 / 687
Frequency (blows / min)	1450

Air Consumption

PSI	BAR	CFM	M^3/Min
150	10.3	215	6.09
250	17.2	359	9.91
350	24.1	480	13.59

Exploded view



Note: Drilling Parameters given are guideline only

Drill King International

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