Drill King International

HADK-A40S

DTH HAMMER (SD4)



Key features

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

TECHNICAL BROCHURE

Parts List (SD4)

NO	Part Name	Qty	Part Number
1	Top Sub	1	HPDK-A4002
2	Top Sub O-Ring	1	HPDK-A4003
3	Spacer Ring	1	HPDK-A4005
4	Make Up Ring	1	HPDK-A4006
5	Choke Set	1	HPDK-A4008
6	Check Valve	1	HPDK-A4007
7	C.V. Spring	1	HPDK-A4009
8	Air Distributor	1	HPDK-A4010
9	Air Dis. O-Ring	1	HPDK-A4011
10	Cylinder	1	HPDK-A4012
11	Piston	1	HPDK-A4014-S
12	Wear Sleeve	1	HPDK-A4001-S
13	Piston Ret. Ring	1	HPDK-A4017
14	Bit Bearing	1	HPDK-A4020-S
15	Bit Ret. Ring	1	HPDK-A4018-S
16	Bit Ret. Ring O-Ring	1	HPDK-A4019
17	Drive Sub	1	HPDK-A4022-S
	Sealkit (Items 2, 9, 16)		HPDK-A40SEALKIT
	Complete Hammer		**HADK-A40S**

Dimensions & Weights

Top Sub Connection	2 ⅜ API REG PIN
Eff. Length (in / mm)	38.48 / 978
OD (in / mm)	3.86 / 98
Hammer Weight (lbs / Kg)	86 / 39
Piston Weight (lbs / Kg)	16.3 / 7.4

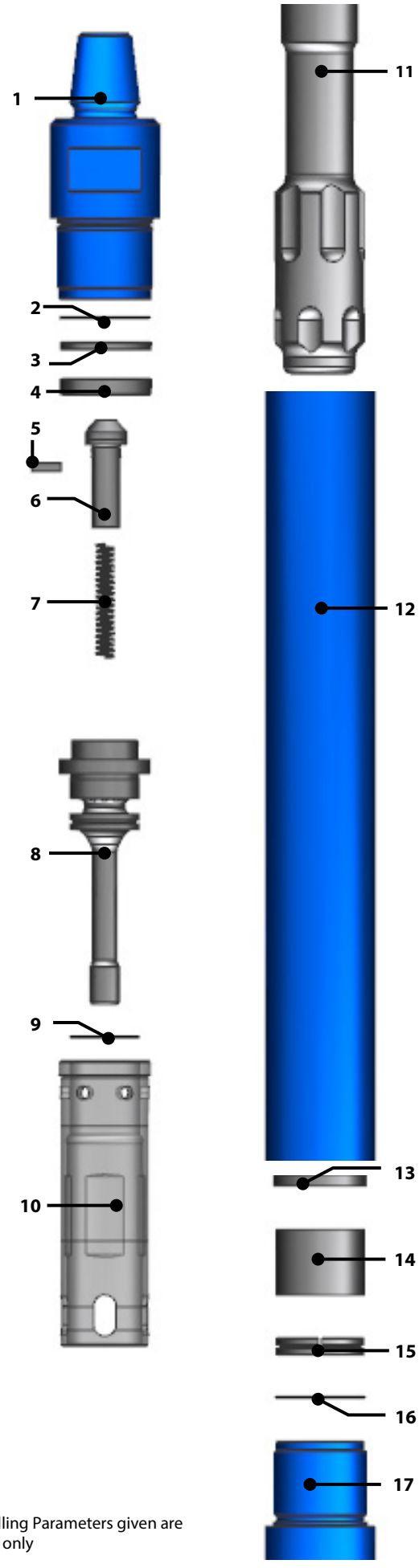
Drilling Parameters

Working Pressure (PSI / Bar)	150-350 / 10.3-24
Application Bit (in / mm)	4-5 / 101-127
Rotation Speed (RPM)	20-45
Assembly Make-Up Torque (lb·Ft / N·m)	2000 / 2712
Rotation Torque (lb·Ft / N·m)	600 / 815
Frequency (blows / min)	1350

Air Consumption

PSI	BAR	CFM	M^3/Min
150	10.3	230	6.5
250	17.2	425	12
350	24.1	640	18.1

Exploded view



Note: Drilling Parameters given are guideline only

Drill King International

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