Drill King International

HADK-A50S

AIR HAMMER (SD5)



Key features

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

TECHNICAL BROCHURE

Parts List (SD5)

NO	Part Name	Qty	Part Number
1	Top Sub	1	HPDK-A5002
2	Top Sub O-Ring	1	HPDK-A5003
3	Choke Set	2	HPDK-A5008
4	Check Valve	1	HPDK-A5007
5	C.V. Spring	1	HPDK-A5009
6	Spring Washer	1	HPDK-A5005
7	Make Up Ring	1	HPDK-A5006
8	Air Distributor	1	HPDK-A5010
9	Air Dis. O-Ring	1	HPDK-A5011
10	Cylinder	1	HPDK-A5012
11	Piston	1	HPDK-A5014-S
12	Wear Sleeve	1	HPDK-A5001-S
13	Snap Ring	1	HPDK-A5021
14	Bit Ret. Ring	1	HPDK-A5018-S
15	Bit Ret. Ring O-Ring	1	HPDK-A5019
16	Bit Bearing	1	HPDK-A5020-S
17	Drive Sub	1	HPDK-A5022-S
	Sealkit (Items 2, 9, 16)		HPDK-A50SEALKIT
	Complete Hammer		**HADK-A50S**

Dimensions & Weights

Top Sub Connection	3 ½ API REG PIN
Eff. Length (in / mm)	43.6 / 1108
OD (in / mm)	4.76 / 121
Hammer Weight (lbs / Kg)	137 / 62.1
Piston Weight (lbs / Kg)	25 / 11.3

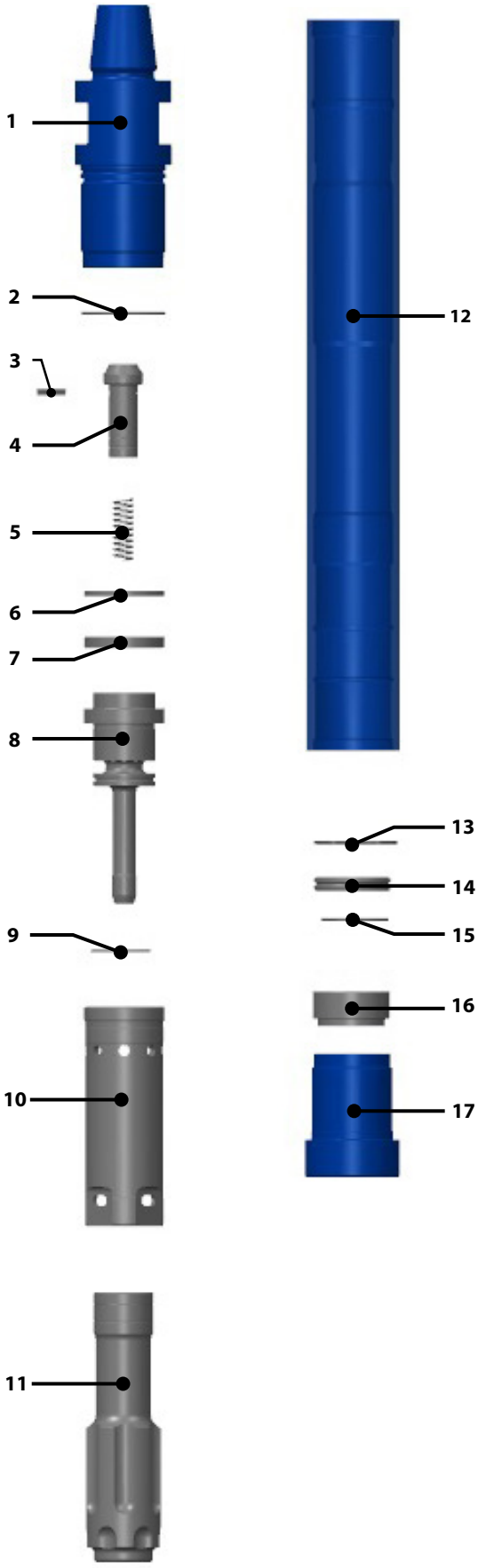
Drilling Parameters

Working Pressure (PSI / Bar)	150-350 / 10.3-24
Application Bit (in / mm)	5-6 / 127-152
Rotation Speed (RPM)	15-40
Assembly Make-Up Torque (lb·Ft / N·m)	4500 / 6100
Rotation Torque (lb·Ft / N·m)	725 / 983
Frequency (blows / min)	1540

Air Consumption

PSI	BAR	CFM	M³/Min
150	10.3	310	8.8
250	17.2	555	15.7
300	24.1	720	20.4

Exploded view



Note: Drilling Parameters given are guideline only

Drill King International

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