Drill King International

HADK-185
AIR HAMMER (SD18)



Key features

- Robust SD18 Shank Design
- Standard bit diameters 18″-24″ (457-610 mm)
- High frequency design for fastest penetration rates
- Repair & Rebuild kits available for easy and cost effective maintenance

TECHNICAL BROCHURE

Part List (SD18)

NO	Part Name	QTY	Part Number
1	Top Sub	1	HPDK18502
2	Washer – Top	1	HPDK18504
3	Top Sub O-Ring	1	HPDK18503
4	Cheak Valve	1	HPDK18507
5	C.V. Spring	1	HPDK18509
6	Spacer Ring	1	HPDK18505
7	Disc Spring Set	1	HPDK18506
8	Air Distributor	1	HPDK18510
9	Air Dist. O-Ring	1	HPDK18511
10	Cylinder	1	HPDK18512
11	Piston	1	HPDK18514
12	Wear Sleeve	1	HPDK18501
13	Upper Bearing	2	HPDK18520U
14	Snap Ring	1	HPDK18515
15	Bit Ret. Ring	1	HPDK18518
16	Bit Ret. Ring O-Ring	1	HPDK18519
17	Lower Bearing	1	HPDK18520L
18	Drive Sub Washer	1	HPDK18524
19	Drive Sub	1	HPDK18522
	Choke Set		HPDK18508
	Sealkit (items 3, 9, 16)		HPDK185SEALKIT
	Complete Hammer		**HADK-185**

Dimensions & Weights

Top Sub Connection	8 5/8" API REG BOX
Eff. Length (in / mm)	78 / 1981
OD (in / mm)	16.3 / 415
Hammer Weight (lbs / Kg)	3653 / 1657
Piston Weight (lbs / Kg)	717 / 325

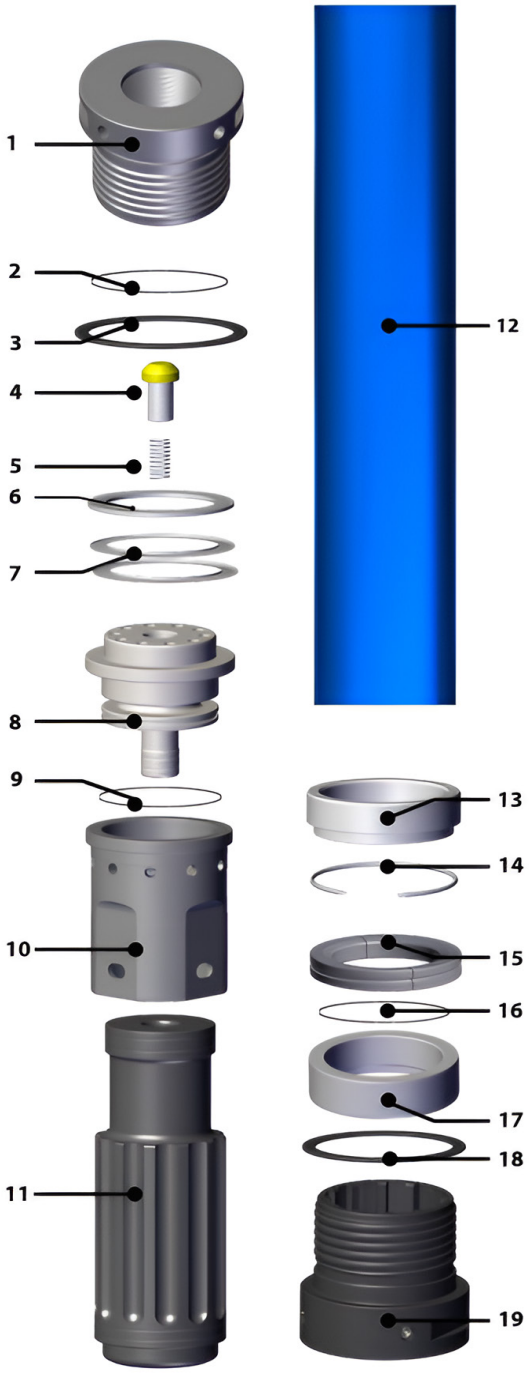
Drilling Parameters

Working Pressure (PSI / Bar)	100-200 / 7-14
Application Bit (in / mm)	18-24 / 457-610
Rotation Speed (RPM)	5-15
Assembly Make-Up Torque (lb·Ft / N·m)	20000 / 27120
Rotation Torque (lb·Ft / N·m)	10000 / 13560
Frequency (blows / min)	1100

Air Consumption

PSI	BAR	CFM	M3 /Min
100	7	1640	46.4
150	10.5	2340	66.2
200	14	3160	89.5

Exploded view



Note: Drilling Parameters given are guideline only

Drill King International

Phone: Global - **1.817.539.2500** or US/Canada - **1.866.900.2487**
Email: **sales@drillking.com** Web: **www.drillking.com**
Drill King International L.P. | 820 South 6th Avenue, Mansfield, TX 76063, USA