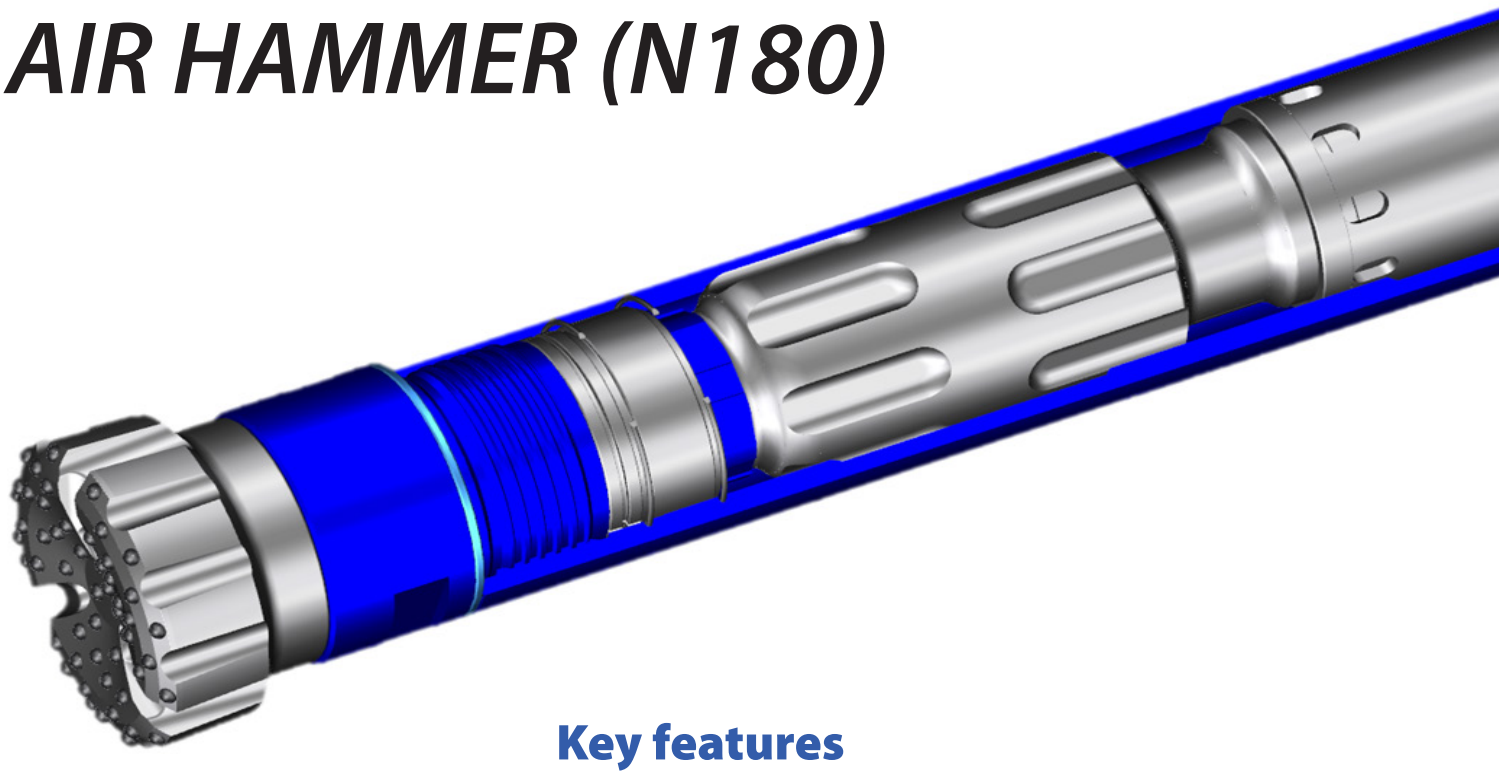
Drill King International

HADK-180
AIR HAMMER (N180)



Key features

- Robust N180 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 (N180)

NO	Name	QTY	Part Number
1	Top Sub	1	HPDK18002-N
2	Washer – Top & Drive Sub	1	HPDK18004-N
3	Top Sub O-Ring	1	HPDK18003-N
4	Cheak Valve	1	HPDK18007-N
5	C.V. Spring	1	HPDK18009-N
6	Spacer Ring	1	HPDK18005-N
7	Make Up Ring	1	HPDK18006-N
8	Air Distributor	1	HPDK18010-N
9	Air Dist. O-Ring	1	HPDK18011-N
10	Cylinder	1	HPDK18012-N
11	Piston	1	HPDK18014-N
12	Wear Sleeve	1	HPDK18001-N
13	Snap Ring	1	HPDK18017-N
14	Bit Ret. Ring	1	HPDK18018-N
15	Bit Ret. Ring O-Ring	1	HPDK18019-N
16	Drive Sub	1	HPDK18022-N
	Choke Set		HPDK-18008-N
	Sealkit (Items 3, 9, 15)		HPDK180-NSEALKIT
	Complete Hammer		**HADK-180N**

Dimensions & Weights

Top Sub	8 5/8" API REG PIN
Eff. Length (in / mm)	81.3 / 2065
OD (in / mm)	16.3 / 415
Hammer Weight bit (lbs / Kg)	3847 / 1745
Piston Weight (lbs / Kg)	822 / 373

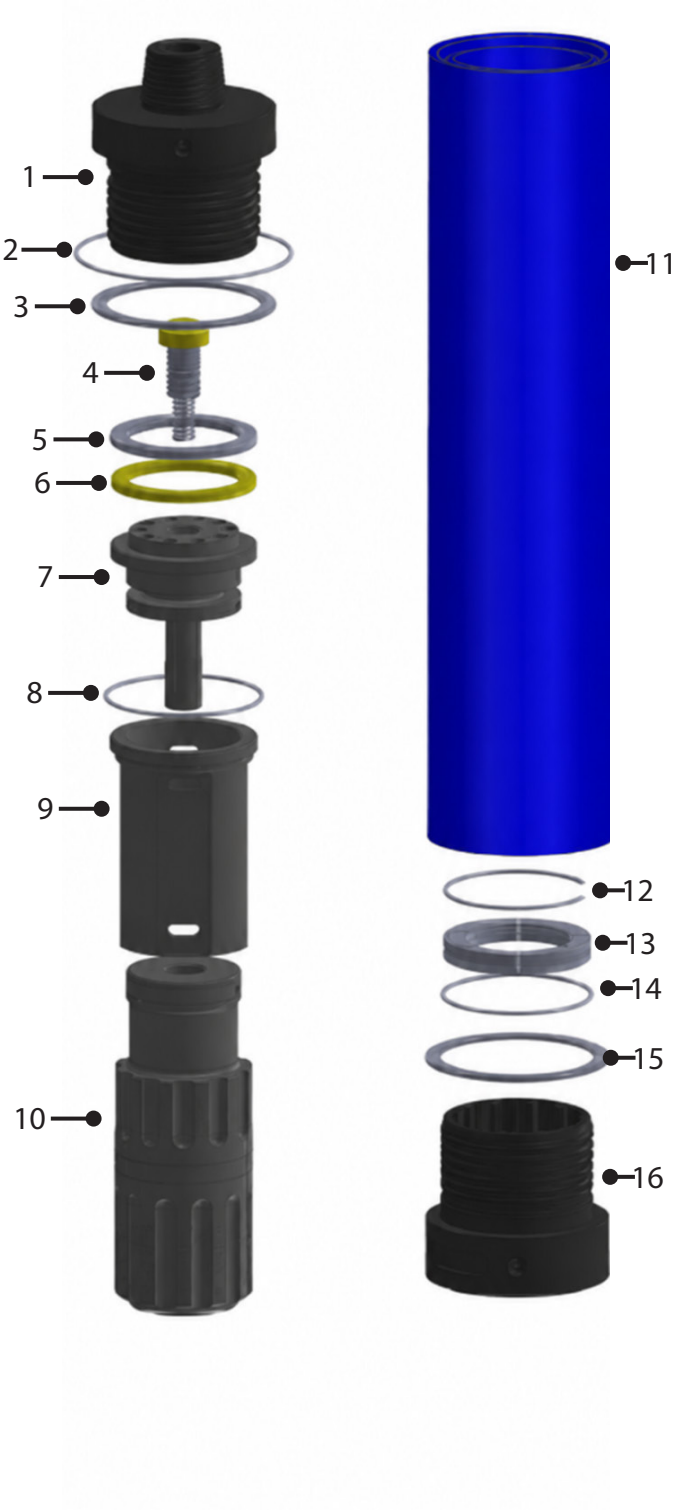
Drilling Parameters

Working Pressure (PSI / Bar)	100-200 / 7-14
Application Bit (in / mm)	18-24/457-610
Rotation Speed (RPM)	15-15
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	CuMtr/Min
100	7	1640	46.4
150	10.5	2340	66.2
200	14	3160	89.5

Exploded view



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