



## **WAI-40I HAMMER**

- ✓ **WAI-340A SHANK DESIGN**
- ✓ **SUPERIOR PENETRATION RATE**
- ✓ **WATER-PROPELLED TECHNOLOGY**
- ✓ **STANDARD BIT DIAMETERS, 4.5" - 5"**
- ✓ **EXCEPTIONAL HOLE STRAIGHTNESS**
- ✓ **ENVIRONMENTALLY-FRIENDLY**
- ✓ **SIGNIFICANTLY REDUCED ENERGY CONSUMPTION**

**DRILL KING INTERNATIONAL**

**820 Sixth Avenue ♦ Mansfield, TX 76063 ♦ USA**

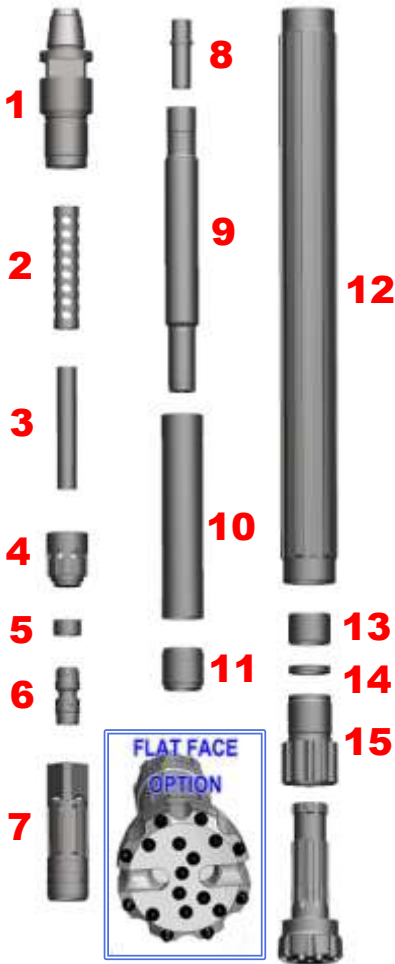
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*The newest generation of Drill King Water-Propelled Hammers means faster penetration, longer life, and straighter holes.*



No.	NOMENCLATURE	Qty	Part Number
<b>HAMMER ASSEMBLY (WAI-40I)</b>			<b>HADK-W40I</b>
1	TOP SUB	1	HPDK-W4002
2	FILTER CAGE	1	HPDK-W4027
3	FILTER	1	HPDK-W4026
4	VALVE CAP	1	HPDK-W4025
5	WEAR BUSHING	1	HPDK-W4024
6	VALVE	1	HPDK-W4007
7	VALVE HOUSING	1	HPDK-W4010
8	INNER TUBE	1	HPDK-W4009
9	PISTON	1	HPDK-W4014
10	CYLINDER	1	HPDK-W4012
11	PISTON BEARING	1	HPDK-W4021
12	WEAR SLEEVE	1	HPDK-W4001
13	BIT BEARING	1	HPDK-W4020
14	BIT RET. RING	1	HPDK-W4018
15	DRIVE SUB	1	HPDK-W4022
	SEAL KIT	1	HPDK-W40SEALKIT

### Drilling Parameters

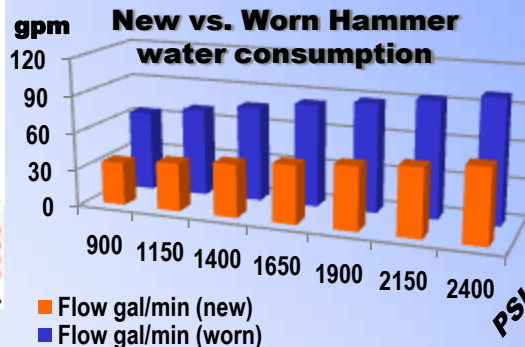
Working Pressure	900 – 2450 (PSI)
Application Bit	4.5 – 5 (in.)
Feed Force	1850 – 4600 (lbf.)
Rotation Speed	50 – 85 RPM
Rotation Torque	750 – 1500 (lbf.)
Frequency	3870 blows/min

### Water Consumption at Minimum - Maximum PSI

	NEW	WORN
	35 - 60 gal/min	65 - 100 gal/min

### Dimensions & Weights

TOP SUB :	2-3/8" API PIN
Tool Length (in.)	48.5
Outside Dia. (in.)	4.37
Weight w/o Bit (lbs.)	129
Piston Weight (lbs.)	18



COMPLETE WAI HAMMER LINE UNDER PRODUCT DEVELOPMENT WITH TARGETED MARKET LAUNCH BY THE END OF 2016

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