



WAI-50I HAMMER

- ✓ ***WAI-350R SHANK DESIGN***
- ✓ ***SUPERIOR PENETRATION RATE***
- ✓ ***WATER-PROPELLED TECHNOLOGY***
- ✓ ***STANDARD BIT DIAMETERS, 5"- 6"***
- ✓ ***EXCEPTIONAL HOLE STRAIGHTNESS***
- ✓ ***ENVIRONMENTALLY-FRIENDLY***
- ✓ ***SIGNIFICANTLY REDUCED ENERGY CONSUMPTION***

DRILL KING INTERNATIONAL

820 Sixth Avenue ♦ Mansfield, TX 76063 ♦ USA

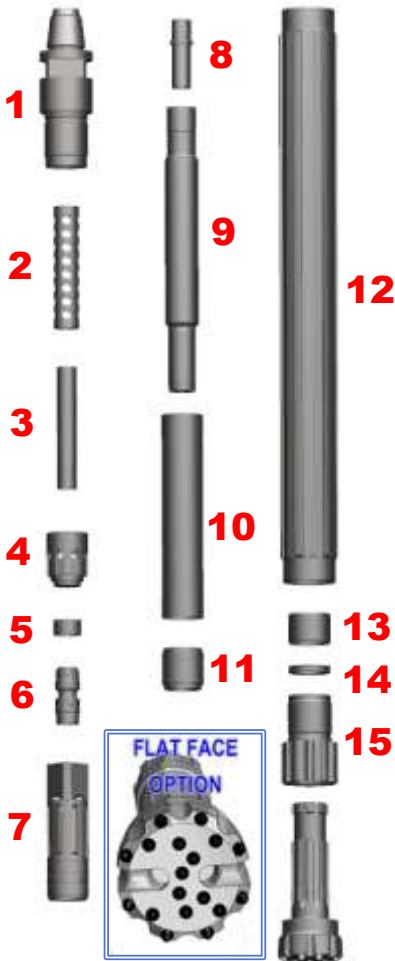
Main#: 817-539-2500 ♦ Fax#: 682-222-1050

Sales#: 817-539-2501 ♦ Toll Free#: 866-900-2487

sales@drillking.net ♦ www.drillking.net



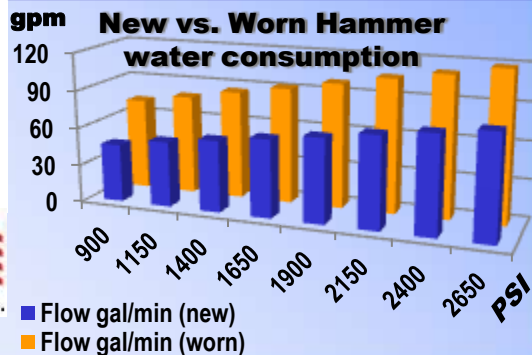
The newest generation of Drill King Water-Propelled Hammers means faster penetration, longer life, and straighter holes.



| No. | NOMENCLATURE | Qty | Part Number |
|----------------------------------|----------------|-----|------------------|
| HAMMER ASSEMBLY (WAI-350) | | | HADK-W50I |
| 1 | TOP SUB | 1 | HPDK-W5002 |
| 2 | FILTER CAGE | 1 | HPDK-W5027 |
| 3 | FILTER | 1 | HPDK-W5026 |
| 4 | VALVE CAP | 1 | HPDK-W5025 |
| 5 | WEAR BUSHING | 1 | HPDK-W5024 |
| 6 | VALVE | 1 | HPDK-W5007 |
| 7 | VALVE HOUSING | 1 | HPDK-W5010 |
| 8 | INNER TUBE | 1 | HPDK-W5009 |
| 9 | PISTON | 1 | HPDK-W5014 |
| 10 | CYLINDER | 1 | HPDK-W5012 |
| 11 | PISTON BEARING | 1 | HPDK-W5021 |
| 12 | WEAR SLEEVE | 1 | HPDK-W5001 |
| 13 | BIT BEARING | 1 | HPDK-W5020 |
| 14 | BIT RET. RING | 1 | HPDK-W5018 |
| 15 | DRIVE SUB | 1 | HPDK-W5022 |
| | SEAL KIT | 1 | HPDK-W50SEALKIT |

| Drilling Parameters | |
|---------------------|--------------------|
| Working Pressure | 900 – 2650 (PSI) |
| Application Bit | 5 – 6 (in.) |
| Feed Force | 2750 – 5500 (lbf.) |
| Rotation Speed | 45 – 75 RPM |
| Rotation Torque | 1100 – 2240 (lbf.) |
| Frequency | 3300 blows/min |

| Water Consumption at Minimum - Maximum PSI | | |
|--|------------------|------|
| | NEW | WORN |
| 48 - 80 gal/min | 73 - 120 gal/min | |



| Dimensions & Weights | |
|-----------------------|--------------|
| TOP SUB : | 3.5" API PIN |
| Tool Length (in.) | 63.58 |
| Outside Dia. (in.) | 5 |
| Weight w/o Bit (lbs.) | 245 |
| Piston Weight (lbs.) | 32 |



COMPLETE WAI HAMMER LINE UNDER PRODUCT DEVELOPMENT WITH TARGETED MARKET LAUNCH BY THE END OF 2015

Nothing contained in this brochure is intended to extend any warranty or representation for applications expressed or implied, regarding the products described herein. Any such warranties or other terms and conditions of sale of products shall be in accordance with Drill King's standard terms and conditions of sale for such products, which are available upon request.