Drill King International

# HADK-A30I-XT

## AIR HAMMER (IR3.5)



### Key features

- Repair and rebuild kits available for easy and cost effective maintenance
- High frequency design for fastest penetration rates
- Designed around single bit shank for optimal

TECHNICAL BROCHURE

## Parts List (IR3.5)

| NO | Part Name | Qty | Part Number |
|---|---|---|---|
| 1 | Top Sub | 1 | HPDK-A3002-XT |
| 2 | Top Sub O-Ring | 1 | HPDK-A3003-XT |
| 3 | Disc Spring | 2 | HPDK-A3006-XT |
| 4 | Spacer Ring | 1 | HPDK-A3005-XT |
| 5 | Choke Set | 1 | HPDK-A3008 |
| 6 | Check Valve | 1 | HPDK-A3007 |
| 7 | C.V. Spring | 1 | HPDK-A3009-XT |
| 8 | Air Distributor | 1 | HPDK-A3010-XT |
| 9 | Cylinder Ret. Ring | 1 | HPDK-A3013-XT |
| 10 | Cylinder | 1 | HPDK-A3012-XT |
| 11 | Piston | 1 | HPDK-A3014-XT |
| 12 | Wear Sleeve | 1 | HPDK-A3001-XT |
| 13 | Piston Ret. Ring | 1 | HPDK-A3017-XT |
| 14 | Bit Bearing | 1 | HPDK-A3020-XT |
| 15 | Bit Ret. Ring | 1 | HPDK-A3018-XT |
| 16 | Bit Ret. Ring O-Ring | 1 | HPDK-A3019-XT |
| 17 | Drive Sub | 1 | HPDK-A3022-XT |
| | Sealkit (Items 2, 9, 16) | | HPDK-A30SEALKIT |
| | **Complete Hammer** | | **HADK-A30I-XT** |

### Dimensions & Weights

| | |
|---|---|
| Top Sub Connection | 2 ⅜ API REG PIN |
| Eff. Length (in / mm) | 33 / 838 |
| OD (in / mm) | 3.11 / 79 |
| Hammer Weight (lbs / Kg) | 52.9 / 23.9 |
| Piston Weight (lbs / Kg) | 8 / 3.6 |

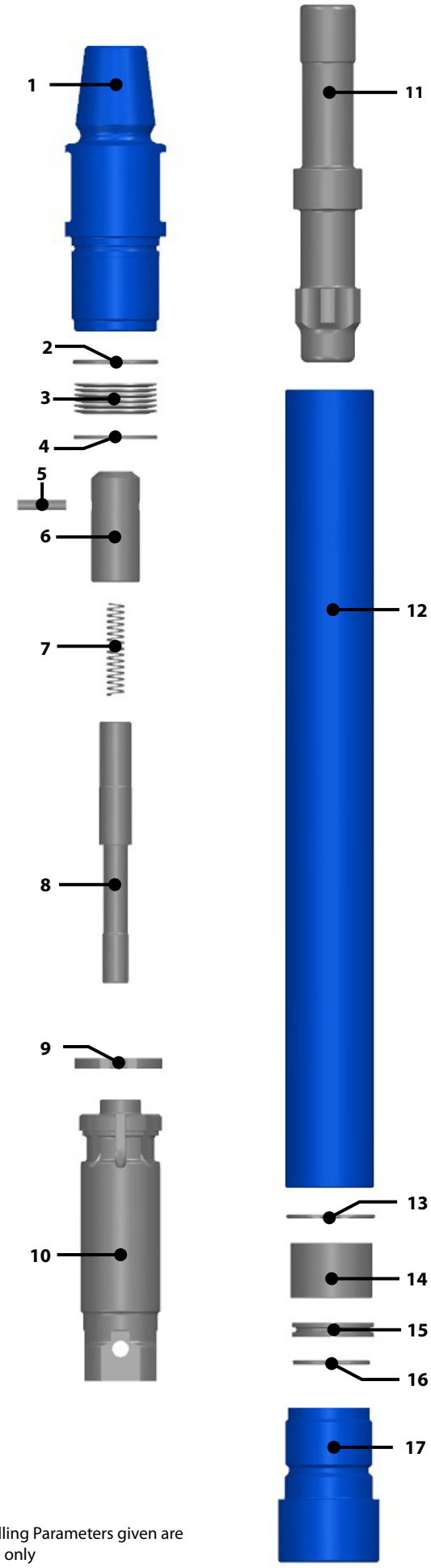
### Drilling Parameters

| | |
|---|---|
| Working Pressure (PSI / Bar) | 150-350 / 10.3-24 |
| Application Bit (in / mm) | 3.35-4 / 85-101 |
| Rotation Speed (RPM) | 20-60 |
| Assembly Make-Up Torque (lb·Ft / N·m) | 2000 / 2712 |
| Rotation Torque (lb·Ft / N·m) | 500 / 687 |
| Frequency (blows / min) | 1450 |

### Air Consumption

| PSI | BAR | CFM | M³/Min |
|---|---|---|---|
| 150 | 10.3 | 215 | 6.09 |
| 250 | 17.2 | 359 | 9.91 |
| 350 | 24.1 | 480 | 13.59 |

## Exploded view




**Note:** Drilling Parameters given are guideline only

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