

# ***HADK-A600S***

## ***DTH HAMMER (SD6)***



### **Key features**

- Repair & Rebuild kits available for easy and cost effective maintenance
- High frequency design for fastest penetration rates
- Available for common bits shanks IR/QL/SD
- Customizable options for open hole or cased hole projects
- Premium alloys & treatment used for longer lasting tools

## Parts List (SD6)

| NO                       | Part Name         | Qty | Part Number          |
|--------------------------|-------------------|-----|----------------------|
| 1                        | Top Sub           | 1   | HPDK-A6002           |
| 2                        | Top Sub O-Ring    | 1   | See Sealkit          |
| 3                        | Choke Set         | 1   | HPDK-A6008           |
| 4                        | Check Valve       | 1   | HPDK-A6007           |
| 5                        | C.V. Spring       | 1   | HPDK-A6009           |
| 6                        | Spring Washer     | 1   | HPDK-A6005           |
| 7                        | Make Up Ring      | 1   | HPDK-A6006           |
| 8                        | Air Distributor   | 1   | HPDK-A6010-LYT-WGT   |
| 9                        | Air Dis. O-Ring   | 1   | See Sealkit          |
| 10                       | Cylinder          | 1   | HPDK-A6012-LYT-WGT   |
| 11                       | Piston            | 1   | HPDK-A6014-S-LYT-WGT |
| 12                       | Wear Sleeve       | 1   | HPDK-A6001           |
| 13                       | Snap Ring         | 1   | HPDK-A6021           |
| 14                       | Bit Ret. Ring     | 1   | HPDK-A6018-S         |
| 15                       | Bit Ret. O-Ring   | 1   | See Sealkit          |
| 16                       | Bit Bearing       | 1   | HPDK-A6020-S         |
| 17                       | Drive Sub (Chuck) | 1   | HPDK-A6022-S         |
| Complete Hammer          |                   |     | HADK-A600S           |
| Sealkit (Items 2, 9, 16) |                   |     | HPDK-A60SEALKIT      |

### Dimensions & Weights

|                          |                    |
|--------------------------|--------------------|
| Top Sub Connection       | 3 1/2" API REG PIN |
| Eff. Length (in / mm)    | 44.84 / 1140       |
| OD (in / mm)             | 5.59 / 142         |
| Hammer Weight (lbs / Kg) | 198 / 89.8         |
| Piston Weight (lbs / Kg) | 41.6 / 18.7        |

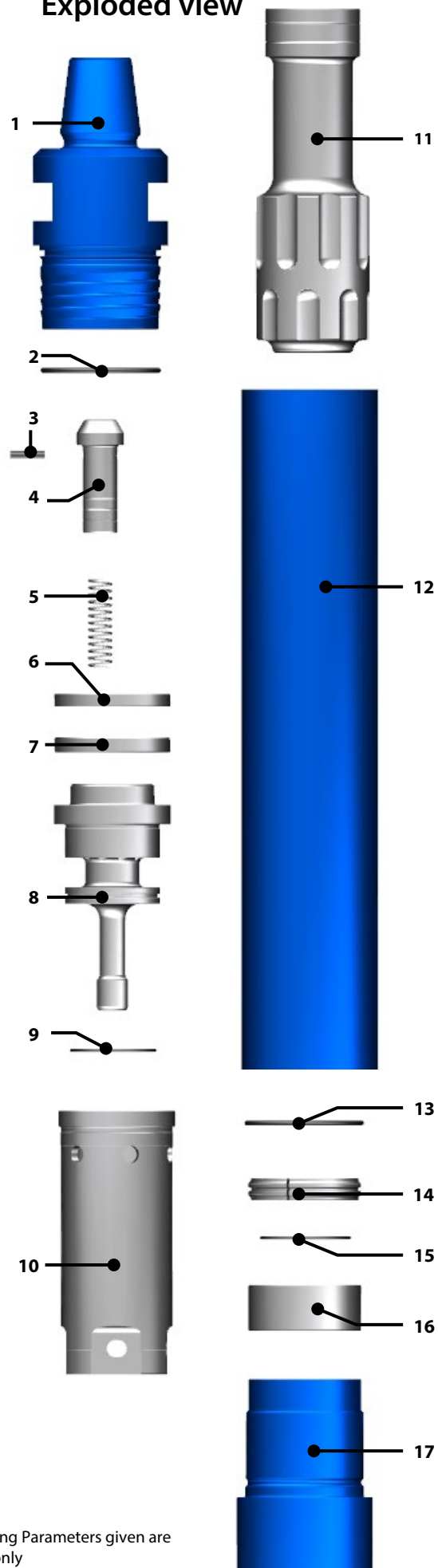
### Drilling Parameters

|                                       |                     |
|---------------------------------------|---------------------|
| Working Pressure (PSI / Bar)          | 150-350 / 10.3-24.1 |
| Application Bit (in / mm)             | 5.87-6.75 / 149-171 |
| Rotation Speed (RPM)                  | 12-40               |
| Assembly Make-Up Torque (lb-Ft / N-m) | 4500/ 6100          |
| Rotation Torque (lb-Ft / N-m)         | 1200 / 1630         |
| Frequency (blows / min)               | 1455                |

### Air Consumption

| PSI | BAR  | CFM | M <sup>3</sup> /Min |
|-----|------|-----|---------------------|
| 150 | 10.3 | 348 | 9.84                |
| 250 | 17.2 | 532 | 15.04               |
| 350 | 24.1 | 720 | 20.4                |

## Exploded view



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