

# ***HADK-A800Q***

## ***AIR HAMMER (QL80)***



### **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 (QL80)

| NO | Part Name                | Qty | Part Number     |
|----|--------------------------|-----|-----------------|
| 1  | Top Sub                  | 1   | HPDK-A8002      |
| 2  | Top Sub O-Ring           | 1   | HPDK-A8003      |
| 3  | Check Valve              | 1   | HPDK-A8007      |
| 4  | C.V. Spring              | 1   | HPDK-A8009      |
| 5  | Choke Set                | 1   | HPDK-A8008      |
| 6  | Press Ring               | 1   | HPDK-A8023      |
| 7  | Make Up Ring             | 1   | HPDK-A8006      |
| 8  | Air Distributor          | 1   | HPDK-A8010-Q    |
| 9  | Air Dis. O-Ring          | 1   | HPDK-A8011      |
| 10 | Cylinder                 | 1   | HPDK-A8012-Q    |
| 11 | Piston                   | 1   | HPDK-A8014-Q    |
| 12 | Wear Sleeve              | 1   | HPDK-A8001-Q    |
| 13 | Snap Ring                | 2   | HPDK-A8021      |
| 14 | Bit Bearing              | 1   | HPDK-A8020-Q    |
| 15 | Bit Ret. Ring            | 1   | HPDK-A8018-Q    |
| 16 | Bit Ret. Ring O-Ring     | 1   | HPDK-A8019      |
| 17 | Drive Sub                | 1   | HPDK-A8022-Q    |
|    | Sealkit (Items 2, 9, 16) | 1   | HPDK-A80SEALKIT |
|    | Complete Hammer          |     | HADK-A80Q       |

## Dimensions & Weights

|                          |                    |
|--------------------------|--------------------|
| Top Sub Connection       | 4 1/2" API REG PIN |
| Eff. Length (in / mm)    | 50.87 / 1292       |
| OD (in / mm)             | 7.16 / 182         |
| Hammer Weight (lbs / Kg) | 405 / 184          |
| Piston Weight (lbs / Kg) | 84 / 38            |

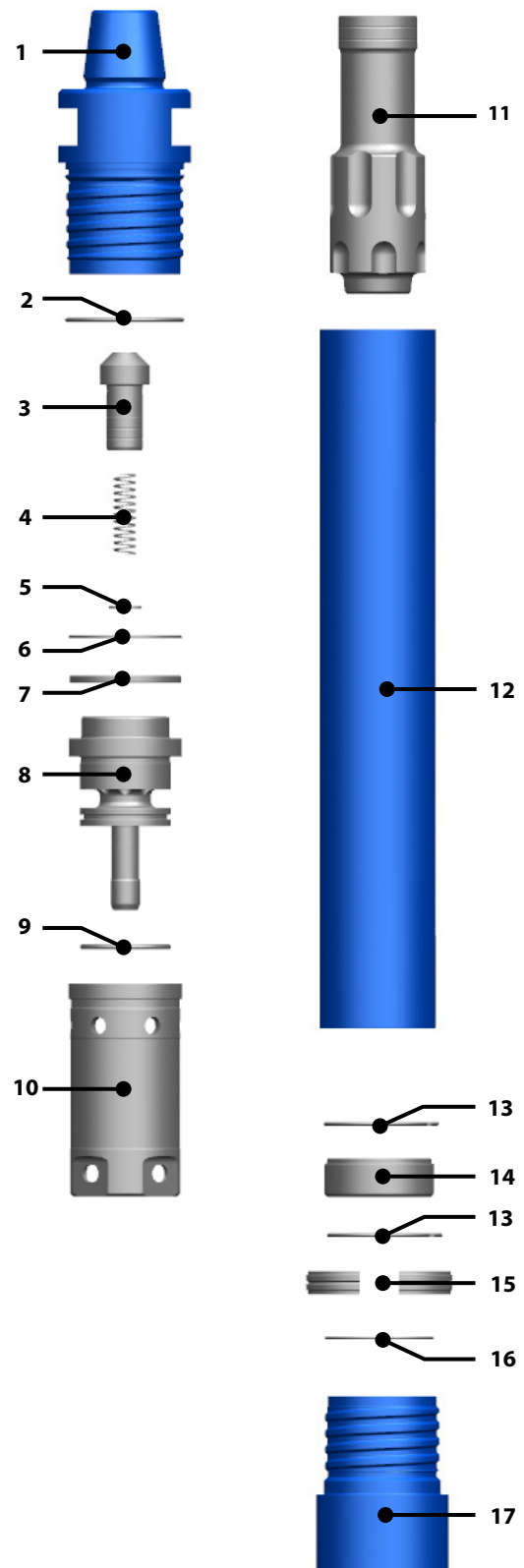
## Drilling Parameters

|                                       |                      |
|---------------------------------------|----------------------|
| Working Pressure (PSI / Bar)          | 150-350 / 10.3-24.1  |
| Application Bit (in / mm)             | 7.87-10.63 / 200-270 |
| Rotation Speed (RPM)                  | 10-30                |
| Assembly Make-Up Torque (lb-Ft / N·m) | 7000 / 9492          |
| Rotation Torque (lb-Ft / N·m)         | 1750 / 2373          |
| Frequency (blows / min)               | 1425                 |

## Air Consumption

| PSI | BAR  | CFM  | M³/Min |
|-----|------|------|--------|
| 150 | 10.3 | 496  | 14.08  |
| 250 | 17.2 | 820  | 23.2   |
| 350 | 24.1 | 1264 | 35.76  |

## Exploded view



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