DKSA60
6” Shock Absorber

NO | Nomenclature          | Qty | Part Number       |
---|-----------------------|-----|-------------------|
1  | Splined Pin Drive Shaft | 1   | DKSA-P6601HP      |
2  | O-Ring Seal Kit       | 1   | DKSA-P6HPSEALKIT  |
3  | Top Nut               | 1   | DKSA-P6602HP      |
4  | Breakout Ring         | 1   | DKSA-P6603        |
5  | Retainer Ring         | 1   | DKSA-P6604        |
6  | Spacer                | 1   | DKSA-P6605        |
7  | Buffer                | 1   | DKSA-P6606        |
8  | Lower Sub Housing     | 1   | DKSA-P6607HP      |

Technical Specifications

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<table>
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<tbody>
<tr>
<td>Tool length (in.)</td>
<td>22.5</td>
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<tr>
<td>Outside Diameter (in.)</td>
<td>5.59</td>
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<tr>
<td>Weight (lbs.)</td>
<td>130</td>
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<tr>
<td>Max Torque (ft.-lbs.)</td>
<td>5,063</td>
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<tr>
<td>Thread Connection</td>
<td>3.5” API PIN/Box</td>
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Key Features

- Innovative design for air & water drilling applications
- Superior Shock Absorption
- Rig Top Drive Protection Thru Hyper Absorption Technology
- Increased Rate of Penetration
- Superior Technology for Outstanding Performance
- Shock Absorber Repair Kit includes:
  - O-Ring Seal Kit
  - Buffer

Ordering Information

Contact us today at our Global No. 1.817.539.2500 or US/Canada 1.866.900.2487
Email: sales@drillking.net Web: www.drillking.net
Drill King International L.P. | 820 South 6th Avenue, Mansfield, TX 76063, USA |
DKSA60
6” Shock Absorber

Maintenance/Servicing Requirements

1. Break out ONLY on wrench flats on Splined Pin Drive Shaft (1) and wrench flats on Lower Sub Housing (8), by locking the Housing (8) in a vice or hammer bench and splitting the Splined Pin Drive Shaft (1) at the wrench flats. DO NOT BREAKOUT ON THE TOP NUT!
2. Once the Splined Pin Drive Shaft (1) is unscrewed, visually inspect all components for excessive wear and the Pin connection for fatigue/cracking.
3. Remove the Retainer Ring (5) and slide the Top Nut (3) off the Splined Pin Drive Shaft (1).
4. Examine all O-rings and replace, if showing wear and/or distortion. Replace all soft packing with DKI XT Pro Series soft pack kit (2 & 7) every 180 days or 500 drilling hours.
5. When the splines dimensions exceed 2.5 mm wear limit, the Splined Pin Drive Shaft (1) and Top Nut (3) need to be replaced.
6. Before re-assembly, clean all components and lubricate the splines with DKI ECO-Lube to ensure best performance and longest tool life.
7. To re-assemble, hold the Splined Pin Drive Shaft (1) vertically and slide the Top Nut (3) over it. Then, place the Retainer ring (5) and position the Spacer (6) and Buffer (7) in line for the Lower Sub Housing (8) to go over the Top Nut (3).
8. Torque up using proper tools on the wrench flats.

**CAUTION!** Always use proper tools and protective wear when breaking out any drilling tools**