

BLOW OUT PREVENTION EXPERTISE - BY DESIGN

NEXT GENERATION ROTARY TOP-DRIVE ACTUATOR

Our **Next Generation Rotary Top-Drive Actuator** has been designed to isolate the hydraulic system from the rotation of the drill stem. This new design provides mud saving remote control of the Drill Stem Safety Valve (DSSV) and can be operated when the drill stem is still in motion. The Next Generation Rotary Top-Drive Actuator provides a high torque, compact, rugged actuation solution for top drive manufacturers while eliminating the shortcoming of existing top drive actuators.

DESIGN FEATURES:

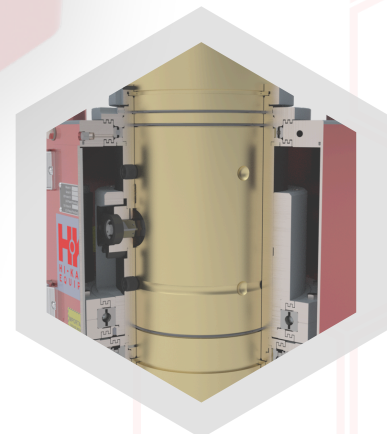
- Integrated hydraulics with all internal hydraulic plumbing for a streamlined system.
- Labyrinth-sealed bearings provide enhanced durability and contamination resistance.
- Isolated hydraulic system with no rotary seals, reducing potential failure points.
- Compact and lightweight – Designed for top-drive applications.
- High-output torque resulting in powerful actuation for demanding conditions.
- Backwards compatible universal mounting system fits existing Hi-Kalibre valves.
- Adjustable travel stops for precise operation.
- Fail-last design maintains position if hydraulic power is lost.
- Field-friendly maintenance for easy inspection and servicing in operational environments.
- Operates while drill stem is in motion for reliable performance during drilling.
- Available Configurations varying in size, adaptable to a wide variety of DSSVs.



TECHNICAL SPECIFICATIONS:

- Max Hydraulic Pressure: Up to **2,000 psi**
- Torque Output: **780 lb-ft to 1,700 lb-ft**
- Temperature Rating: **-40°F to 250°F (-40°C to 121°C)**
- Height ranging from **13.78" to 15.72"**
- Width ranging from **12.89" to 16.63"**
- Accommodating valve OD's from **6.94" to 8.50"**
- Weight ranging from **225 lbs to 450 lbs**

ACTUATOR SERVICE & REPAIR KITS AVAILABLE



For specific model details or advanced custom requirements,
contact our team at hke@hikalibre.com