



SMOOTHDRILL® PRODUCTS

INCREASES PRODUCTIVITY WHILE PROTECTING EQUIPMENT

Utex SmoothDrill® and updated design, King Cobra®, shock absorbers are produced for installation in rotary blasthole drill rigs used in open-pit mining operations. The shock absorber is threaded inline between the top motor drive and the drill string below, which continues down to the tricone bit at the surface.

A proven product, that extends drilling equipment life, equates to lower dollar/foot cost over time. While most shock absorbers on the market are similarly effective in protecting the drill from axial (vertical) vibration in the Z axis, Utex shock absorbers have demonstrated exceptional isolation in the torsional (X & Y) axes as well thanks to our engineered rubber compound. This sums to increased protection for the drill machinery.

General Benefits

- Long-life damping rubber element
- Positive stops for making and breaking thread
- Assists in torque control
- Keeps bit in constant contact with the formation
- Extended drill rig, tricone, and drive motor life
- Vertical vibrations reduced by 70%
- Rotary vibrations reduced by 35%
- Compensates for drill pipe misalignment



SmoothDrive®

Same benefits as SmoothDrill plus:

- Positive stop for making and breaking thread
- Longer rubber element life
- Improved torque control
- Long life of damping rubber element for improved torque control



King Cobra™

Same benefits as SmoothDrill plus:

- Enhanced safety through modular construction
- Quick field repairs, no weld rebuilds
- Hardened impact face for increased life
- Replaceable lugs provided with rebuild kits

Selection guide



	King Cobra	SmoothDrive	SmoothDrill
Increased penetration rate	✓	✓	✓
Extended drill, bit and drive head life	✓	✓	✓
Compensates for drill pipe misalignment	✓	✓	✓
Less demanding environments	✓	✓	✓
Limited maintenance resources	✓	✓	✓
Positive stop for making and breaking thread	✓	✓	
Longer rubber element life	✓	✓	
Improved torque control	✓	✓	
Strapless design	✓	✓	
Ease of maintenance	✓	✓	
Enhanced safety	✓		
Quick field repairs, no weld rebuilds	✓		
Hardened impact face for increased life	✓		
Replaceable lugs provided with rebuild kits	✓		