High-frequency vibrations from surface mining can destroy equipment—not to mention efficiency. The King Cobra shock sub uses SmoothDrill technology to spur productivity while shielding equipment (and borehole) from damage.

**Protection.**
Protects drive heads and mast from axial and torsional shock vibration for:
- Longer-lasting drill components
- Longer run times
- Less downtime

**Stability.**
Holds drill bit in place, allowing for:
- Better penetration rate
- Less motor bounce-out damage

**Dampening.**
Employs reengineered impact and vibration sub technology that:
- Provides radial stress relief
- Creates a better vertical cushion
- Reduces accelerations at drill head by up to 65 percent

**Durability.**
Features hard-faced wear surfaces for:
- Longer shock absorber life
- Longer-lasting element
- Less maintenance

**Safety.**
Modular construction and replaceable wear items mean:
- Less handling
- No welding

**Bottom line:** Lower drilling cost per foot—and a more productive operation.

**Shock Sub Specs**
- **Size:** 14 to 28 inches
- **Pull down load range:** 60,000 to 150,000 pounds
- **Clearance diameter:** 20 to 34 inches
- **Shoulder to shoulder length:** 28 to 36 inches
- **Assembly weight:** 650 to 2,300 pounds

**联系电话:**
- [www.utexind.com](http://www.utexind.com)
- 855.980.0413
- info1@utexind.com