

# SoftSpeed II Stick/Slip Mitigation

The M/D Totco™ SoftSpeed™ II stick/slip mitigator uses automated vibration dampening to mitigate torsional vibration and reduce stick/slip oscillations during drilling operations. The platform provides the analytics and capabilities required to automatically detect and mitigate these stick/slip oscillations, enabling you to maintain drilling efficiency and reduce equipment wear. The auto-tuning feature enables the speed controller to provide optimal damping to mitigate stick/slip occurrences. The result is a stable, robust, and proven controller built on decades of experience and know-how.



Reduces  
stick/slip



Longer  
bit life



Maintains  
wellbore quality



Enables  
higher ROP

## Features

### Fully auto tuning

- Remove manual tracking factors as system automatically detects correct stick/slip frequency
- Dampens and mitigates stick/slip oscillations to improve wellbore quality, increase WOB to improve ROP, and reduce equipment damage

### Intelligent control governance for optimized performance

- Embedded with multiple features that ensure RPM oscillates in controlled and productive manner
- Programmed to activate at ideal time in stick/slip cycle to ensure maximum efficacy
- Automatic analyzer finds optimal parameters to accurately estimate bit rotation speed, reducing transversal drillstring vibrations that can damage equipment or impact drilling performance

### Industry-proven, mature, technology

- Proven system deployed on hundreds of rigs worldwide
- Relies on robust implementation method and thoroughly validated core algorithm

**Your Data – Made Easy™**