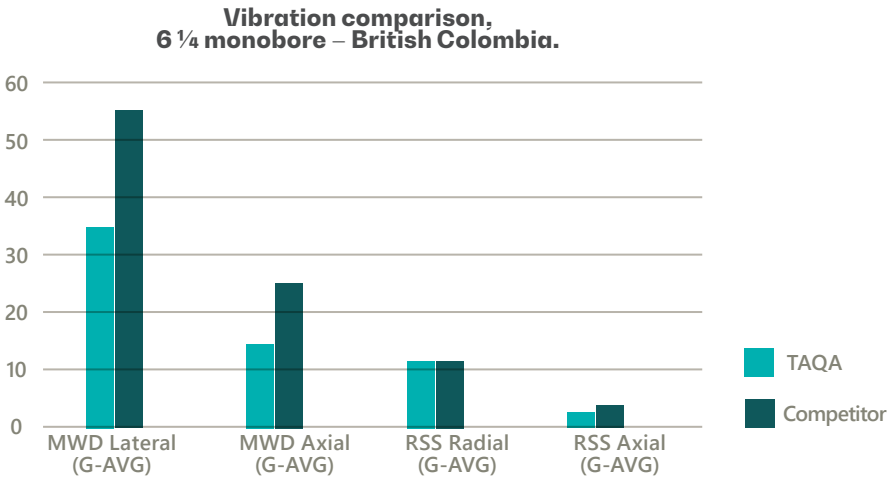
Threlix®

Transform Challenges into Triumphs

TAQA presents Threlix®, a patented technology designed to assist operators in mitigating drilling dysfunctions while drilling with Rotary Steerable Systems (RSS). By balancing downhole torque against weight on bit (WOB), Threlix® ensures smooth depth of cut, effectively eliminating erratic torque, stick slip, and HFTO which can lead to bit DBR's, tool failures, and costly trips out of the hole.

When encountering excess torque during drilling operations, Threlix® instantly adjusts its length to maintain a consistent depth of cut at the bit interface preventing stick slip scenarios, ensuring optimal drilling progress leading to exceptional performance, reduced damages, and minimized section times.

Threlix® is engineered with a proprietary helical spring that facilitates both compression and extension, enabling it to meet any drilling application. Furthermore, its 100% sealed spring and spline sections significantly enhance downhole reliability and performance, eliminating the need for costly post-run maintenance and reducing associated risks.



BENEFITS

- Mitigate torsional vibrations - stick slip and HFTO
- Increase RSS reliability
- Minimize damages to PDC bits, MWD, and LWD tools
- Decrease axial and lateral vibrations
- Reduce R&M costs of downhole drilling tools
- Reduce drilling time and costs

FEATURES

- Proprietary helical spring design
- Components are fully enclosed and oil sealed
- Compatible with all RSS
- Dual acting - extension and compression
- Applications engineering support