



Every trip counts

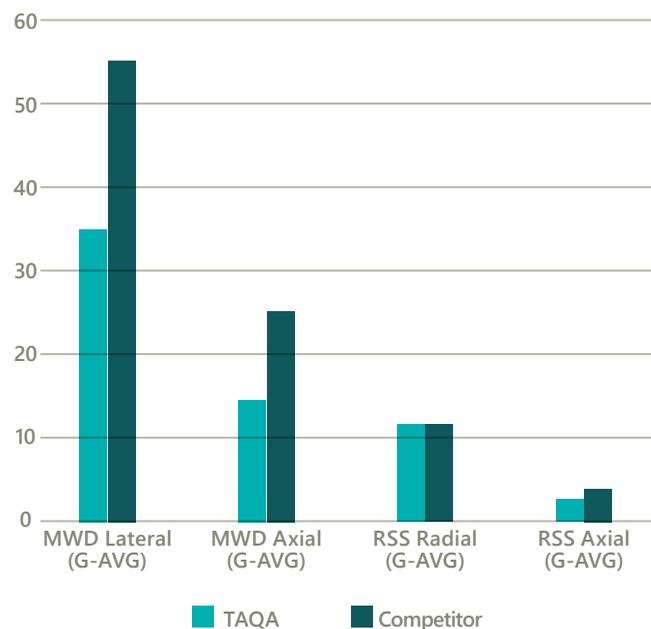


Threlix™: Transform challenges into triumphs

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 a 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.

6 ¼ MONOBORE – BRITISH COLOMBIA, VIBRATION COMPARISON



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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.

TECHNICAL SPECIFICATIONS

OD	5.25 in	133 mm
ID	1.38 in	35 mm
Length	26.41 ft	8.04 m
Stroke Up	1.00 in	2.54 cm
Stroke Down	7.00 in	17.78 cm
Weight	1,593 lbs	268 kgs
Max Tensile Load	450,000 lbs	200,169 daN
Max Torque	21,500 ft-lbs	16,947 N-m
Max DLS - Rotating	10°/100ft	10°/30m
Max DLS - Sliding	20°/100ft	20°/30m
Max Hydrostatic Pressure	30,000 psi	206,800 kPa
Max Temperature	390°F	198°C

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

