



3 Point TorqAVENGER



6 Point TorqAVENGER

The TorqAVENGER Roller Reamer is a fully customizable reaming and torque-reducing tool that improves borehole shape, size and quality.

It provides stabilization by centralizing the BHA, minimizing downhole vibrations, preventing the BHA from resting on the low side of the deviated hole, and reducing BHA fatigue.

Benefits for operators include longer gauge life and a reduction in NPT through more efficient reaming and back reaming compared to conventional stabilizers.

The 3-Point TorqAVENGER configuration can be applied in almost every BHA as an improved alternative to conventional fixed blade stabilizers. This reamer is available with uni-directional and bi-directional cartridges.

The 6-Point TorqAVENGER configuration comprises two cartridges which add more stabilization and stiffness compared to the 3-Point version. This reamer is available in multi-stage uni-directional or bi-directional configurations.

MAKING IT BETTER

Historically used for wellbore gauge maintenance, Rubicon's Reamers have a variety of uses from torque reduction and vibration suppression through to smoother wall finishes for casing runs and improved wellbore integrity.

Applications

- Borehole size adjustment
- Elimination of ledges and hole irregularities
- BHA torque reduction
- BHA stick slip minimization
- Filter cake compaction
- Considerable back reaming requirements
- Suitable for almost all vertical and directional applications

Features

- Triple Locking mechanism for maximum safety
- Unique Forced Anti-Inclination Locking (FAIL-safe) mechanism
- Optimized bearing surface treatment for improved wear resistance
- Advanced sealed bearing with positive pressure compensation for max seal life
- Extreme sealing element grade compatible with down-hole conditions
- Advanced lubricant selection for maximum load bearing capacity
- Optimized Tungsten Carbide Insert (TCI) geometry with flat tip for longer gauge life and slow gauge loss
- Optimized TCI insert distribution for optimized reaming performance
- Available with uni-directional and bi-directional cartridges

Customer Benefits

- Reduces BHA torque compared to conventional stabilizer
- Provides efficient reaming for borehole size and shape adjustment
- Efficiently eliminates ledges, tortuosities and micro doglegs
- Compacts mud filter cake as compared to scraping done by fixed blade stabilizer
- Reduces NPT during POOH by back reaming more efficiently than stabilizers
- Easy, fast field redressability
- Improved reliability compared to any Roller Reamer in the market

For more information

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