



A fully customizable reaming and torque-reducing tool, the **TorqAVENGER** delivers longer gauge life and a reduction in NPT through more efficient reaming and back reaming compared to conventional stabilizers. The tool eliminates ledges, hole irregularities and is suitable for almost all vertical and directional applications. It reduces BHA torque and minimizes stick slip.

The TorqAVENGER reduces NPT during POOH by back reaming more efficiently than conventional stabilizers.

### 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 downhole 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

### 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

### 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

