



A smart stabilizer equipped with PDC cutters on a beveled profile to help maintain gauge of wellbore. With its PDC cutters and gauge-reaming roller cutters, the tool prevents costly stuck pipe situations and enhances hole quality, improving ROP and reducing NPT, while minimizing torque and smoothing out related fluctuations.

The **GunDRILL Reamer** reduces torque when compared to conventional fixed blade stabilizers and allows holes to be re-opened to avoid stuck pipe due to borehole problems, reduces NPT related to POOH, and lessens heavy back reaming in mobile and transient formations. One of our most flexible products, the tool can be configured as uni-directional for back reaming, bi-directional for back and front reaming, or if sliding is expected, it offers a directional variant with flat TCIs.

Features

- Balanced and optimized cutting and reaming structure
- Structural integrity validated using FEA
- Optimized mud flow through helical mud ways validated using CFD
- 360° contact for maximum stabilization and lower vibration
- Comes in three configurations Uni Directional, Bi Directional and Directional
- 4 Blades configuration available for extra flow by area
- Proprietary TCI design maintains tool gauge for extended durations and provides better directional control

Applications

- Mobile, fractured and faulted formations
- Reactive formations
- Over-Pressured formations
- Hole cleaning problems
- Unconsolidated formations
- Key seats, ledges and micro doglegs
- Swelling shale and salt formations
- Heavy back reaming
- Tight spots
- Deployment of casing
- Deployment of open hole completions

Customer Benefits

- Reduced torque compared to the fixed blade stabilizers
- Security against sticking downhole, provided string can be rotated
- Re-opens holes to avoid having stuck pipe due to borehole problems
- Reduces torque and drag lost in reaming highly irregular holes
- Improves hole shape by removing ledges and irregularities
- Reduce NPT related to POOH and encountering heavy back reaming in mobile and transient formations
- Opens key seats and micro doglegs
- Eliminates dedicated wiper trips
- Smooth deployment of well construction

