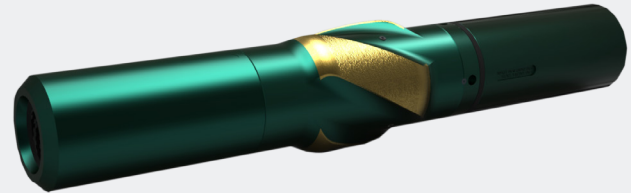


HI Tool®

Harmonic Isolation Tool

Key Benefits and Features

- Limits lateral and axial vibration problems in difficult formations, which reduces non-productive time (NPT)
- Reduces the dynamic interaction between the bottom-hole assembly (BHA) and drill bit, through a flexible geared connection
- Decouples the BHA and mud motor harmonics from the drill bit and drill string
- Decouples the BHA from the drill string harmonics in severe drilling applications
- Allows the drill bit to self-center dynamically



Use in the following applications:

Deepwater and ultra-deepwater

Shelf

Land

The HI Tool® Harmonic Isolation Tool is an on-bottom drilling tool, designed to reduce vibrational loads generated by drill bit dynamics. Drill string vibrations are typically the most common cause of NPT for the operators and suppliers of complex MWD/LWD equipment. Extensive job history with the HI Tool® has shown results for operators, with a direct impact on reduction of drilling costs in both domestic and international markets.



Internal View