


HIGH ENERGY™

Steel Teeth and Tungsten Carbide
Insert (TCI) Drill Bits



Our HIGH ENERGY drill bit series is capable of increasing drilling performance by effectively utilizing maximum operating parameters. With the latest bearing technology and cutting structure design HIGH ENERGY drill bits deliver faster penetration rates, more footage drilled, and superior reliability in many applications. Patented bearing components and application specific features provide confidence in directional drilling applications while providing assurance in straight hole applications. HIGH ENERGY products are available in both steel teeth and tungsten carbide insert drill bits from 7" to 13 3/4" diameter.

Application

- Vertical, directional, horizontal, and tangent wells.
- Soft to medium formations for steel teeth bits.
- Soft to hard formations for TCI bits.
- For all rotary and motor applications.

Features / Benefits

- Optimized cutting structures - eliminates tracking and increases ROP.
- Patented bearing seal package - improves bearing life for longer drilling time.
- Advanced synthetic bearing grease is thermally stable providing high lubricity to lengthen bearing life.
- Shirttail Protection - TCIs along the leading edge, around the shirttail, and near the compensator provide extra protection for increased life.
- Edgeguard tungsten carbide pucks aligned along the shirttail edge can be added to protect against abrasive applications.