

TerraDRILL Motor

Designed to withstand today's extended reach technology.

The new TerraDRILL™ Motor Assembly includes a sealed bearing unit engineered to be ran with extended reach technology such as the TerraPULSE™ Agitator™ tool. To reach total depth of long laterals, extended reach tools have made advancements which now challenge the reliability of previous motor technology. The new TerraDRILL motor was developed to exceed the requirements from these wells and advanced extended reach technologies. The assembly performs optimally when ran with the TerraPULSE™ and TerraFORCE™ tools.

The new bearing section is built around upgraded metallurgy more resistant to fatigue failure. We removed connections compared to previous technology, upgraded the bearings, included integral flex sub as well as a proprietary tapered thread at heavily stressed locations and created a motor catch indicator system.

Technical Specifications

Tool OD	2 7/8 in.	3 1/8 in.
Torsional Yield	2,600 ft-lbs	2,750 ft-lbs
Tensile Yield - Housing	197,000 lbs	225,600 lbs
Tensile Yield - Mandrel	143,000 lbs	180,000 lbs
Tensile Yield - Motor Catch	47,500s lbs	68,000 lbs
Max. Pull to Re-Run	47,000 lbs	57,000 lbs
Max. WOB @ 100 RPM	22,000 lbs	25,000 lbs
Max. WOB @ 200 RPM	18,000 lbs	22,000 lbs
Max. WOB @ 300 RPM	16,000 lbs	18,000 lbs
Max. Pull @ 100 RPM	14,500 lbs	22,000 lbs
Max. Pull @ 200 RPM	12,000 lbs	18,000 lbs

Features

- Heavy duty bearings
- Upgraded materials
- Longer flex shaft and integral straight housing
- Integral flex sub within the motor
- Taper threads on top sub and combo housing
- Surface indicator motor catch system
- Enhanced assembly tools

Benefits

- Improved reliability
- Designed to be ran with TerraPULSE and TerraFORCE assemblies