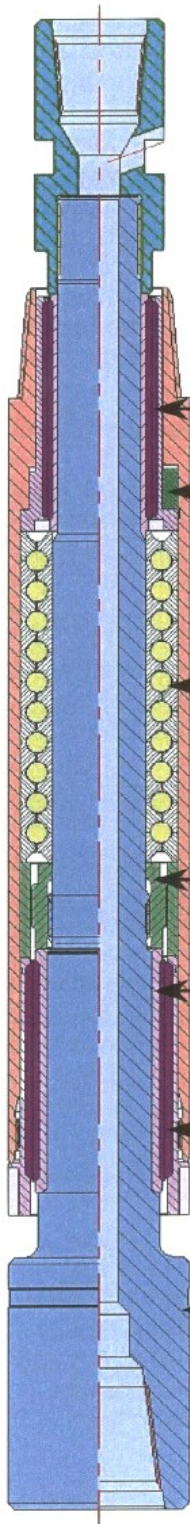




TLOS DOWNHOLE MOTORS

Bearing Section Highlights



Our mud lubricated Bearing Sections are a robust and field proven design. We use a tungsten carbide tile matrix in our upper and lower radial bearings, the best in bearing technology. This allows for superior performance while providing maximum protection against radial wear. Axial thrust is managed by a series of full contact mud lubricated tool steel thrust bearings. It is our belief that mud lubricated bearings offer the advantage of providing higher differential pressures across the drill bit without the worry of losing seal integrity that is possible with sealed bearing units. Our bearing design has a proven history of excellent performance and reliability. Both integral and changeable stabilizer options are available with the bearing sections.

Tungsten carbide tiled radial bearings:

For superior performance and maximum protection against wear.

Anti-Rotation Key:

To lock in and prevent rotation of the upper stationary bearing.

Full Contact Tool Steel Thrust Bearings:

For the maximum in thrust load capability and maximum run-time life.

Safety Retention Device:

For the added protection against leaving broken tool parts in the hole.

Interference Set Bearings:

Adds strength to the output shaft to reduce fatigue.

Tungsten carbide tiled radial bearings:

For superior performance and maximum protection against wear.

Forged Output Shaft:

For better strength and integrity over ordinary bar stock material.