

Higher Performance Capabilities for the Next Drilling Frontier

Longer laterals demand more from every system on the rig. Higher torque. Greater pressure. More uptime. NOV brings together the equipment, technology, and expertise needed for today's challenging offshore and unconventional onshore applications. From complete systems to performance upgrades, our integrated portfolio helps customers push operating limits, extend asset life, and lower total cost of ownership.

TDS-11-1400 Upgrade

More torque, more horsepower. Same trusted top drive.

The TDS-11-1400 upgrade kit increases the capability of the industry-leading TDS-11-800 by 77% up to 1,400 hp, delivering higher torque with greater drilling range. Extend the value of your existing top drive without the cost and downtime of replacing it.

- Upgrade from 800 or 1,200 to 1,400 hp
- Engineered for drilling with premium connections and RSS in long laterals
- Maximize your existing equipment investment

Divided Pressure Washpipe

10,000 psi. Continuous circulation.

The Divided Pressure Washpipe delivers reliable mud circulation in drilling applications up to 10,000 psi. Its pressure-dividing technology reduces the differential pressure across each seal to optimize seal life and is compatible with multiple drilling fluids.

- Rated for up to 10,000 psi
- Compatible with oil-based mud, synthetic-based mud, water-based mud, and brine
- Failure tolerance supports continued operation
- Compatible with various NOV top drives including the TDS-11-1400 upgrade



Delta Drill Pipe Connection

Higher torque. Proven durability.

The Grant Prideco™ Delta™ connection combines high torque capacity with a balanced thread design that improves durability and simplifies rig floor operations. Longer connection life and fewer repairs lower the total cost of ownership.

- 10K standpipe fluid internal pressure resistance at pipe tensile capacity
- Faster spinning to final torque
- Simplified handling without requiring a stabbing guide
- Extended connection life with more refaces before recutting

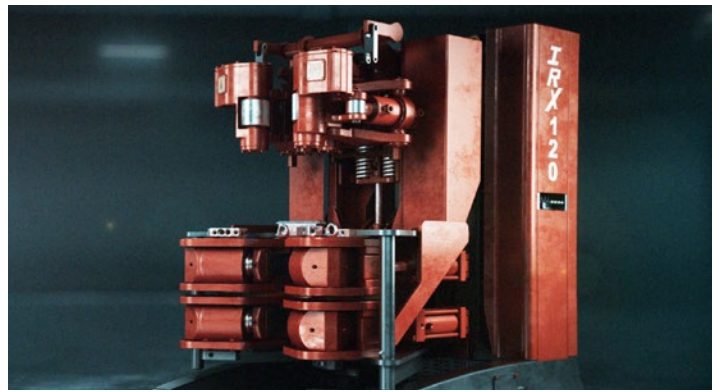


IRX-120 Iron Roughneck

High torque. Precise connections.

The IRX-120 iron roughneck's design combines a modular strategy with more than 50 years of brand reliability and precise positioning for safe, consistent making/breaking of premium connections. With a high-torque spin wrench and an expedient torque wrench, connection times are enhanced. Seamless integration of rig control systems enables optimized operations that maximize performance.

- Lower total cost of ownership
- 3-point jaw contact, with 60° jaw rotation
- Various configurations to meet a multitude of rig applications



Blak-JAK™ PowerLast Fluid End

Higher pressure. Lower maintenance.

The Blak-JAK PowerLast™ Fluid End is engineered for pressures up to 10,000 psi and demanding drilling applications. Its unique valve geometry improves flow behavior and volumetric efficiency, while its lightweight, compact design enhances serviceability. Together, these features help reduce maintenance demands, lower operating costs, and maximize uptime.

- Lightweight, compact design
- Optimized valve geometry for improved flow behavior
- Improved volumetric efficiency
- Compatible with multiple mud pump models



12-P-200 Mud Pump Upgrade

More horsepower. More pressure.

The 12-P-200 upgrade package combines proven mechanical enhancements, software updates, and the Blak-JAK PowerLast fluid end to increase the capability of existing 12-P-160 mud pumps to 2,000 hp and pressures up to 10,000 psi.

- Unlocks additional 12-P-160 Mud Pump performance.
- Help reduce capital investment
- Retains the original pump architecture

