

Xpress™ XT Pressure-Balanced Liner System

Achieves secure-and-reliable well integrity in severe downhole environments

Applications

- Xpress™ liner-system installations
- Drill-down and ream-down operations
- Extended-reach or floating-liner installations

Features and Benefits

- Surge-resistant system withstands high-pressure circulation and sudden pressure changes to prevent premature setting of hanger or release of running tool during installation
- Single ball-drop activation of pressure-balanced R-type running tool and retrievable seal mandrel for fast activation
- Unique multi pack-off system maintains pressure-balanced environment, system-design tolerates use of lost-circulation material (LCM) during deployment
- High-pressure gas testing with zero bubble acceptance meets API 19LH VS1 test criteria. Pressure and temperature reversals with combined liner-hanger and packer loading with PBR interface and tie-back validations rated 10,000 psi, 150° to 400°F (66° to 204°C)
- High-torque running tools permit ream-down capability with 50,000 ft-lbs of torque at the liner top
- Secondary release mechanism ensures recovery of running tools
- Mechanical locking system prevents pre-setting of liner-top packer and liner hanger during run-in hole operations
- Customized metallurgy, elastomers, weight ranges, and threads configured to unique well environment for long-lasting durability
- Rotation or reciprocation during conditioning and cementing operations provides enhanced cement placement
- One-piece mandrel eliminates internal connections and removes the risk of associated connection leaks for improved production performance
- Patented floating junk-bonnet system prevents debris from entering the liner system during deployment
- Industry-standard SSR dual-wiper plug systems ensures accurate cement displacement
- Life-of-well performance specifications include hanging- and hold-down capacities for long-term operational requirements



The Xpress XT pressure-balanced liner system enhances reliability of liner-running operations in high-circulating pressures.



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Tool Description

The Xpress XT pressure-balanced liner system integrates the high-performance Xpress XT liner hanger and a packer on a single-piece mandrel with a state-of-the-art pressure-balanced running tool. This allows unrestricted pressures and flow rates during deployment – eliminating the possibility of presetting the liner hanger or premature release of the running tool. Xpress XT de-risks liner installations with its unique setting mechanism that maintains a pressure-balanced environment throughout deployment, even in the most challenging well conditions. Xpress XT is ideal for all liner-system installations, including HPHT, drill-down, ream-down, extended-reach, and floating-liner operations.

Xpress XT transforms liner-system installations and subsequent performance by ensuring total depth (TD) is achieved with 100% confidence prior to completions operations. Xpress XT does it all with one integrated system that withstands hostile well environments and secures accurate installations, validating well integrity and reliability beyond the highest specifications for assured life-of-well performance. This system is compatible with the SSR plug set, jointed packoff system, and other Weatherford accessories.

