

Liner System Pressure Isolation Tool

Enables circulation at high pressures by eliminating the risk of pre-setting during deployment

Applications

- Cemented and non-cemented liners
- Vertical, deviated, and extended-reach wells
- Pressure-sensitive formations or tight annular clearances
- Wells requiring high circulation pressures during deployment

Features and Benefits

- The tool isolates the hydraulic liner hanger mechanism and balances the hydraulic running tool against circulation pressures, therefore eliminating the risk of premature activation.
- The tool includes a ball seat, which reduces the free fall and pumping time required to land the setting ball and create the pressure-tight chamber necessary to activate hydraulic liner hangers and running tools.
- The tool enables a polished bore receptacle (PBR) pack-off to be run above the hydraulic running tool to enhance debris protection.

Tool Description

The Weatherford pressure isolation tool, which complements the Xpress liner system, isolates the hydraulic liner hanger from circulating pressures; thereby reducing the risk of prematurely actuating the system. Once the setting ball has landed, increased pressure will hydraulically activate the pressure isolation tool, thus enabling the hydraulic liner hanger and running tool to be operated. After setting the hanger and releasing the running tool, an additional increase in pressure will expel the ball to regain well circulation. The pressure isolation tool gives the operator the capability to ream and wash the liner hanger system while running in hole with limited constraints. The tool is available in 4 1/2- to 7 5/8-in. sizes, with other sizes available upon request.



The Xpress series pressure isolation tool enables higher tubing circulation pressures to be used without risking premature setting of the liner hanger.

