



WSWP Single-Wiper Plug with Integral Ball Seat

Weatherford's WSWP single-wiper plug is a premium single-wiper plug used to displace cement through the ID of a liner. The integral ball seat activates hydraulic liner hangers and running tools. The WSWP is typically used in conjunction with Weatherford's jointed system; therefore, the plug does not move in relation to the liner until the WSWP is launched.

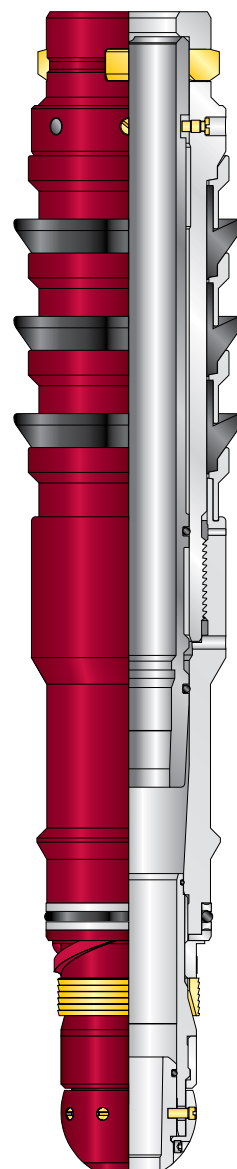
The compatible WDSL drillpipe dart is released behind the cement. When it reaches the WSWP, the WDSL latches and seals into the inner body of the WSWP plug, and differential pressure across the WSWP plug launches it from the plug adapter. The WSWP plug is displaced through the liner, acting as a mechanical barrier behind the cement. Then, it lands and latches in the landing collar, and pressure can be applied as required.

Applications

Any liner for which a single-wiper plug is required

Features, Advantages and Benefits

- An integral ball seat is more reliable than conventional landing-collar ball sets, minimizing the potential for nonproductive time.
- When the integral ball seat is sheared, the pressure dissipates in the liner volume, greatly reducing the possibility of any formation damage related to hydraulic shock.
- The high-strength design makes the WSWP capable of withstanding high bump pressures.
- Anti-rotation devices prevent the WSWP and WDSL from rotating during drillout of the landing collar, saving rig time.
- The WSWP is made of aluminum and elastomeric materials, making it PDC drillable, simplifying drillout operations.
- The WSWP is locked to the running-tool string by a set of profiled dogs rather than shear screws, reducing the risk of premature release and associated nonproductive time.
- Fin and backup ring configuration makes the HNBR fins capable of withstanding high differential pressure, enabling them to effectively wipe the liner ID and act as the lower packoff.





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Specifications

Contact an authorized Weatherford representative.

Options

The WSWP plug is available without the ball seat.