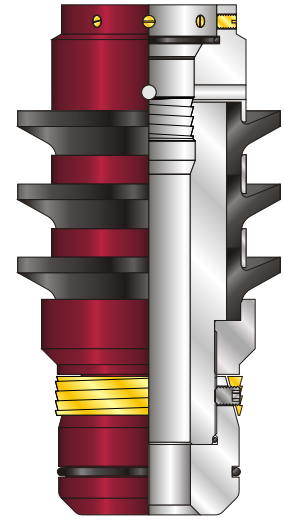




Liner Wiper Plug (LWP)

Weatherford's liner wiper plug (LWP) is used to displace cement through the ID of a liner. The LWP is compatible with Weatherford's hydraulic landing collar (HLC) and drillable landing collar (DLC). It has an extremely good record of displacing cement and bumping in the landing collar and is an ideal choice for any application in which a ball seat in the wiper plug is not required or a dual-plug system is not wanted.

The LWP is shear-pinned to the bottom of running tools. The drillpipe dart (DWP) is released behind the cement. When it reaches the LWP, the DWP latches and seals into it. Differential pressure across the LWP launches it. The LWP is displaced through the liner, acting as a mechanical barrier behind the cement. It then lands and latches in the landing collar, and pressure can be applied as required.



Applications

Any cemented liner application in which a ball seat is not required in the wiper plug or a four-plug system is not wanted.

Features, Advantages and Benefits

- One LWP can wipe liners of the same size but varying weights. This design provides operational flexibility.
- Several features help simplify or accelerate drill-out, saving rig time:
 - Anti-rotation devices prevent the LWP and DWP from rotating during drill-out of the landing collar.
 - The LWP is made of aluminum and elastomeric materials, making it PDC drillable.
- The design of the LWP is robust. The sturdy body can withstand high bump pressures when it is latched in either the DLC or the HLC landing collar.

Specifications

Contact an authorized Weatherford representative.



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Options

- A specially designed LWP can be used to close Weatherford's 754PD hydraulic opening stage tool.
- HNBR fins and O-rings are standard; other elastomers are available on request.