

IsoLatch™ Cement Wiper Plugs

SINGLE-LATCH CASING WIPER PLUGS FOR REDUCED RISK, IMPROVED FLUID SEPARATION, AND WET-SHOE OPERATIONS

OVERVIEW

Landing and latching the top cement wiper plug after cementing can be a considerable challenge in horizontal and extended-reach applications. Back pressure on the top plug from the u-tube effect can push the top plug farther back into the casing. This can negatively impact completion operations and cause operators to make an unplanned trip to push the plug back to the float collar.

The IsoLatch™ double-plug, latch-down system helps reduce this concern by integrating the latch into the top plug. Once the casing is wiped and fluids are separated ahead of the cement slurry, the bottom plug will pass through the landing collar and land on the float collar. The top plug then follows the cement slurry to wipe the casing internal diameter (ID), and to land on and latch in the landing collar that is integral with the float collar. An optional rupture disc can be placed within the top plug to accommodate various scenarios, including 3,000-psi wet-shoe cementing or high-pressure casing tests.

APPLICATIONS

IsoLatch cement wiper plugs are designed to be used in conjunction with the SuperSeal II® float valve, and are ideal for wet-shoe cementing applications where the operator needs the ability

to continue displacing cement past the casing shoe. Upon completion of the cement job, pressure can be applied to rupture the disc on the top plug. The lack of cement on the casing shoe allows operators to pump down frac plugs for plugging and perforating operations.

FEATURES

- » Based on field-proven high-pressure/high-temperature (HP/HT) RapidStart® Initiator (RSI) plug sets
- » Single latch-in design for top plug
- » Integral landing collar and float collar
- » Rugged wiper fins to withstand long horizontal wells
- » Rated up to 15,000-psi bump pressure
- » Optional top plug rupture disc
- » Optional high-pressure disc

BENEFITS

- » Single latch mitigates risk of difficult, stiff two-plug latches
- » Helps separate above and below cement slurries
- » Helps eliminate fluid compatibility concerns
- » Enables operator to perform wet-shoe applications
- » Allows for casing tests prior to performing wet-shoe operations

For more information, contact your local Halliburton representative or visit us on the web at www.halliburton.com

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