



WRSM Retrievable Cementing Packoff

Weatherford's WRSM retrievable cementing packoff provides a liner-top seal between the running string OD and the liner ID. The WRSM allows pressure to build against a ball seat farther down the hole so that items such as hydraulically activated liner hangers can be set, while ensuring that all mud and cement are circulated through the bottom of the liner.

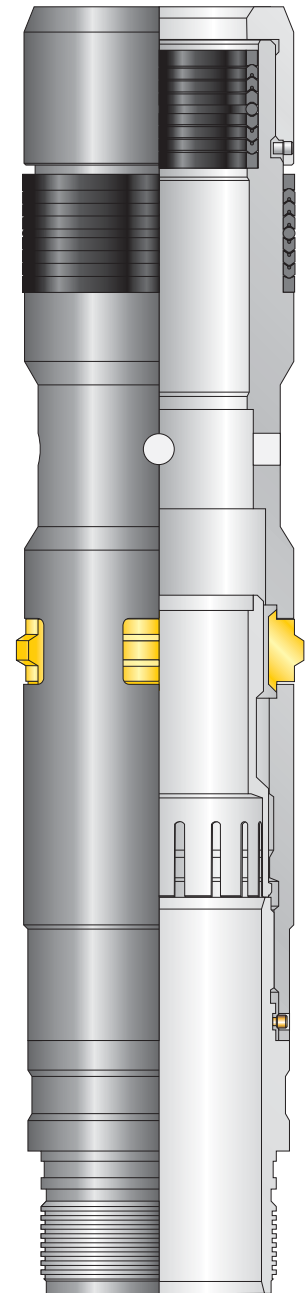
The WRSM contains internal and external seals. It is designed to fit into a profile located in the liner-top packer or liner-setting sleeve, which provides the sealbore for the external seals and the lock profile for the dogs. The inner seals of the WRSM form a seal against the outside of the polished stingers. The WRSM is released by shifting the inner sleeve with a pickup sub or a pressure-port straddle.

Applications

- Cemented liners
- Uncemented liners that use a hydraulically set liner hanger
- Tieback packers that use a TSP4, TSP5, or CTSP4 liner-top packer

Features, Advantages and Benefits

- Premium engineered seal stacks can withstand high-differential pressure (tested to ISO 14310 V0 requirements at 10,000 psi [68.9 MPa], 170° to 350°F [77° to 177°C]), making the WRSM an ideal sealing system in most well conditions.
- The WRSM reduces rig time by eliminating the need to drillout a nonretrievable packoff.
- The design of the WRSM reduces the hydraulic lifting forces affecting the running-tool string during cementing operations, reducing the risk of pumping the tool string up the hole.
- The bottom connection makes the WRSM compatible with Weatherford's jointed packoff system.





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Features, Advantages and Benefits (continued)

- WRSM dogs do not contact the polished stinger at any time during operation. This design prevents damage to the polished stinger and ensures optimal seal performance of the WRSM after the running tool has been released.
- A collet-locking mechanism enables makeup of the jointed system before installation in the profile. The unique collet design means that the collet is not loaded during pressure loading of the dogs, thus easing retrieval of the WRSM.
- The split gland eliminates seal damage during assembly.
- The improved dog retention system greatly simplifies design, thus speeding up the assembly process.

Specifications

- Contact an authorized Weatherford representative.