



RSM Retrievable Cementing Packoff with Jointed System

Weatherford's RSM retrievable cementing packoff with jointed system provides a liner-top seal between the running string OD and the liner ID. It 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.

One end of the jointed system connects to the bottom of the RSM; the other end of the jointed system usually connects to the adaptor for the applicable wiper plug.

The RSM 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 seal bore for the external seals and lock profile for the dogs. The inner seals of the RSM form a seal against the outside of the polished stingers. The RSM is released by shifting the inner sleeve with a pickup sub or pressure port straddle.

Applications

- Cemented liners

Features, Advantages and Benefits

- With the jointed system, the plug is not moved when the liner running tools are rotated while being released or picked up to check for release. This advantage prevents damage to, or premature launching of, the wiper plug, allowing the wiper plug to function as intended.
- Premium molyglass seals can withstand high differential pressure and are almost chemically inert, making the RSM an ideal sealing system in most well conditions.
- The RSM reduces rig time by eliminating the need to drill out a non-retrievable packoff.
- The design of the RSM reduces the hydraulic lifting forces affecting the running-tool string during cementation operations, reducing the risk of pumping the tool string up the hole.
- RSM dogs do not contact the polished stinger. This design prevents damage to the polished stinger and ensures optimal performance of the RSM after the running tool has been released.

Specifications

Contact an authorized Weatherford representative.

