



# *WCTSP4 Liner-Top Packer*

Weatherford's WCTSP4 liner-top packer is a multipurpose tool that can be used for multiple applications. The WCTSP4 is typically run as an integral part of the liner-hanger assembly to provide a reliable, high-integrity seal that isolates the gap between the liner OD and the host-casing ID. This seal isolates the cement, preventing gas migration or flow as the cement sets. The WCTSP4 packer also incorporates the profile for the running tool and, when a liner-setting sleeve is not run, provides the means by which the running tool connects to the liner.

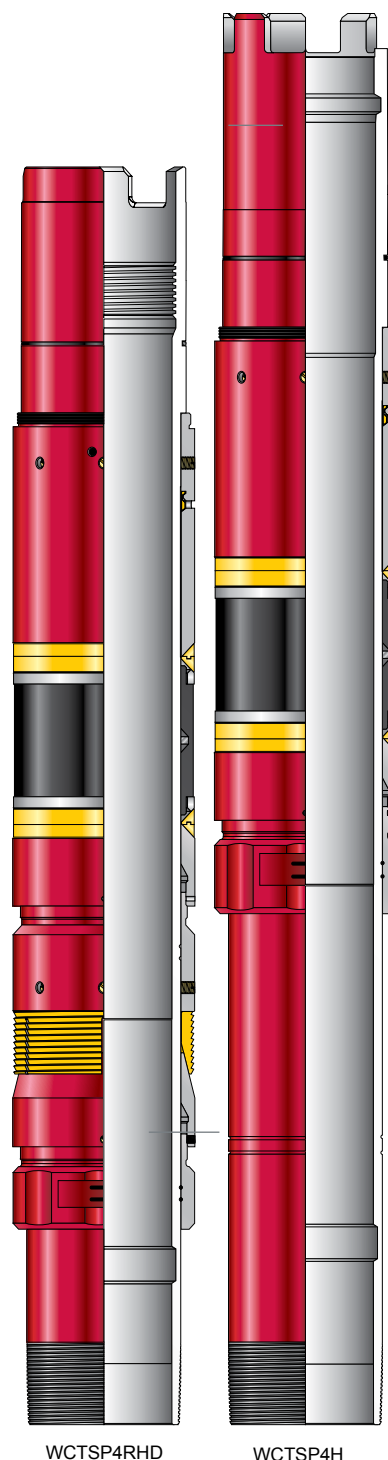
The packer is usually set by setting down weight on the TSP4 tieback polished-bore receptacle (PBR) with the packer actuator after the running tool is released. The weight is transferred to the WCTSP4 liner-top packer, setting the element and the holddown slips.

## *Applications*

- Cemented liners
- Uncemented liners for which a seal between the liner OD and the host-casing ID is necessary or advantageous
- Tieback packers

## *Features, Advantages and Benefits*

- Peroxide-cured, hydrogenated nitrile butadiene rubber (HNBR) packing element creates a reliable seal that prevents gas migration in the cement in most well conditions, saving the cost of a liner-top squeeze.
- One-piece packing element is resistant to swabbing and enables high-circulation rates to exceed the liner-top packer assembly, aiding removal of debris during well cleaning and improving the quality of cement displacement.
- XYLAN®-coated backup rings reduce the setting force required for energizing the packing element. This advantage is particularly useful in applications where setting down enough weight to set the liner-top packer is especially challenging.





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### *Features, Advantages and Benefits (continued)*

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- The WCTSP4 liner-top packer also incorporates the profile and seal bore for Weatherford's RSM retrievable cementing packoff, eliminating the need for—and cost of—a separate assembly. This feature also ensures easy retrieval of the packoff because the packoff does not have to be retrieved through a premium connection.
- Internal body lock-ring ratchet system positively locks in the applied setting forces, ensuring that the packer remains set.
- One WCTSP4 can be set inside host casings of the same size with varying weights, providing operational flexibility.

### *Specifications*

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For more information on the liner-top packer, contact an authorized Weatherford representative.

### *Options*

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- The WCTSP4 liner-top packer is available with or without holddown slips.
- The packer is also available with R or HNG running tool profiles.
- Standard metallurgies are L-80 and P-110 (125 ksi); other metallurgies are available upon request.
- Standard connection is VAM TOP®; other connections are available upon request.

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