



Premium Mechanical Rotating (WPMR) Liner Hanger

Weatherford's WPMR premium mechanically set, rotating liner hanger is suited for hanging any length of liner in a well that is not highly deviated and that does not require rotation while running in the hole. The non-welded cones and protected slips are designed to optimize bypass area, making the WPMR Weatherford's top-of-the-line mechanical liner hanger.

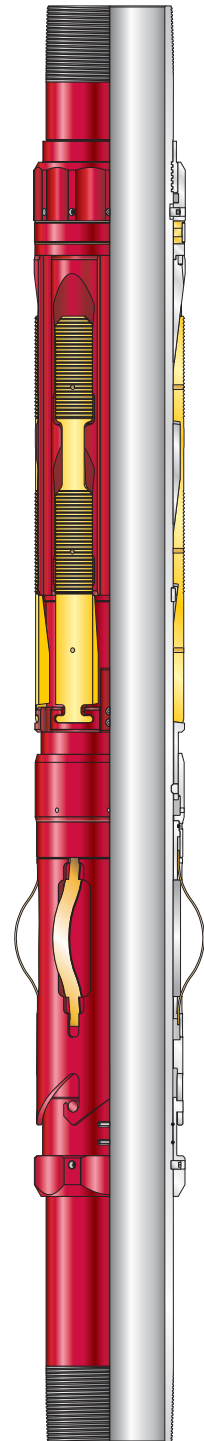
The liner hanger is activated by picking up the drillstring and rotating the WPMR at least one-sixth of a turn to the right after reaching setting depth. Setting down weight on the WPMR sets it, forcing the slips into the host casing. A bearing on the WPMR hanger allows rotation after the hanger is set.

Applications

- Any liner run in a well that is not highly deviated and does not have to be reamed or drilled down
- Production liners that may require high pressure stimulation jobs during life of the well

Features, Advantages and Benefits

- Large slips area minimizes the stress in the host casing, enabling the WPMR to support extreme loads.
- The WPMR can be unset with straight overpull and features an automatic rejay capability, which returns the WPMR to the run-in position and allows resetting as required.
- The high-torque, one-piece mandrel is equipped with premium connections that meet or exceed the torque of most liner connections.
- The field-proven, non-welded cone retention and lug design prevents changes in chemical and mechanical properties and provides more reliable downhole performance.





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Features, Advantages and Benefits (continued)

- The heavy-duty bearing allows liner rotation after the hanger has been set, and during cementing operations, thus improving the quality of the cement bond.
- The wire-locked gauge ring protects slips from damage while running in the well.
- Nitrided slips ensure that the liner hanger can be set in the hardest grades of host casing.
- Non-tortuous bypass channels allow for high circulation rates past the hanger assembly to aid removal of debris during well cleaning, improving the quality of cement displacement.
- The free-rotating drag cage protects the drag springs from damage if the hanger is activated by more turns than required.
- The WPMR can be set in a broad range of host casing weights.

Specifications

Contact an authorized Weatherford representative.

Options

- The standard WPMR liner hanger can be converted to a static model by replacing the roller bearing with a spacer ring.
- Standard metallurgies in most sizes are L-80 and P-110 (125 ksi). Other metallurgies are available on request.
- Standard connection is VAM® TOP® HT in most sizes.

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