



WC-Series Single-Cone Rotating, Mechanical-Set (WCRM) Liner Hanger

Weatherford's WCRM liner hanger is an economical, rotating, mechanical-set liner hanger that does not compromise on performance. The WCRM liner hanger features a single cone with six slips and is ideal for liners that do not have to be reamed or drilled down.

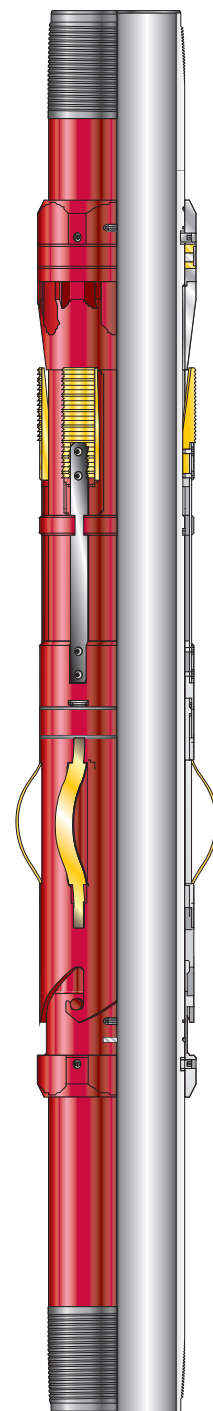
Manipulating the string at the WCRM hanger by picking up and rotating it at least one-sixth of a turn to the right activates it. Setting weight on the WCRM hanger sets it, forcing the slips into the host casing. A bearing on the WCRM hanger enables rotation after the hanger is set.

Applications

The WCRM hanger can be used for any liner that is not run in a deep and/or highly deviated well and does not have to be reamed or drilled down.

Features, Advantages and Benefits

- External components are wire-locked onto the body rather than welded, leaving their chemical and mechanical properties unaltered and thereby preserving the performance capability of the WCRM liner hanger.
- The design of a single cone with six carburized slips results in a more robust liner hanger, enabling the support of exceptional loads comparable to competitors' tandem-cone hangers. Many competitive hangers feature cones with only three slips—a design that causes forces to triangulate, which can lead to hanger failure and damage host casing.
- Heavy-duty bearing enables rotation of the liner after the hanger has been set and during cementing operations, improving the quality of the cement bond.



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Features, Advantages and Benefits (continued)

- The free-rotating drag cage protects the drag springs from damage if the hanger is activated by more turns than required, enabling the hanger to activate and function as designed.
- One WCRM liner hanger can be set inside host casings of the same size with varying weights, providing operational flexibility.
- Longitudinal fluid-bypass channels in the cone increase annular flow areas, enabling high circulation rates.

Specifications

For more information on the WCRM liner hanger, contact an authorized Weatherford representative.

Options

- Standard metallurgies are L-80 and P-110 (125 ksi); other metallurgies are available upon request.
- Standard connection is VAM TOP® in most sizes; other connections are available upon request.

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