



WC-Series Single-Cone Rotating, Hydraulic-Set (WCRH) Liner Hanger

Weatherford's WCRH liner hanger is an economical, rotating, hydraulic-set liner hanger that features a cone with six slips. The WCRH is designed for liners that do not have to be reamed or drilled down.

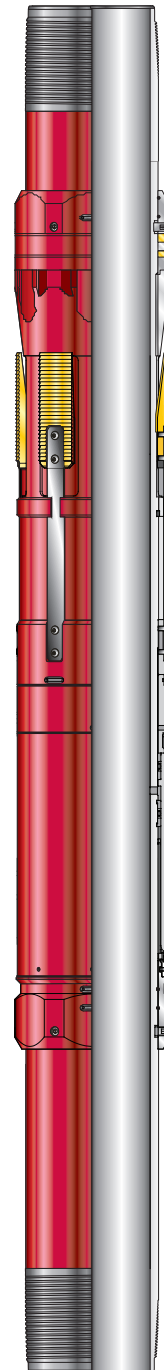
Differential hydraulic pressure across the hydraulic cylinder activates the WCRH hanger. Placing weight on the hanger forces the slips into the host casing and sets it. A bearing on the WCRH hanger enables rotation after the hanger is set.

Applications

Liners that do not require reaming or drilling down.

Features, Advantages and Benefits

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





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Features, Advantages and Benefits (continued)

- Hydraulic activation eliminates the need for drillstring manipulation, enabling the WCRH hanger to be set in deep and highly deviated wells.
- WCRH liner hanger can be set inside host casings of the same size with varying weights, providing operational flexibility.
- Longitudinal fluid bypasses the channels in the cone and increases annular flow areas, enabling high circulation rates.

Specifications

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

Options

- Standard metallurgies in most sizes 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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