



## *WC-Series Single-Cone Hydraulic-Set (WCSH) Liner Hanger*

Weatherford's WCSH liner hanger is an economical, hydraulic-set liner hanger that does not compromise on performance. Unlike competitors' liner hangers, the WCSH hanger features a cone with six slips that is wire-locked to the body rather than welded. (Similar competitors' products feature three slips per cone.) The WCSH liner hanger is ideal for liners that do not have to be reamed or drilled down.

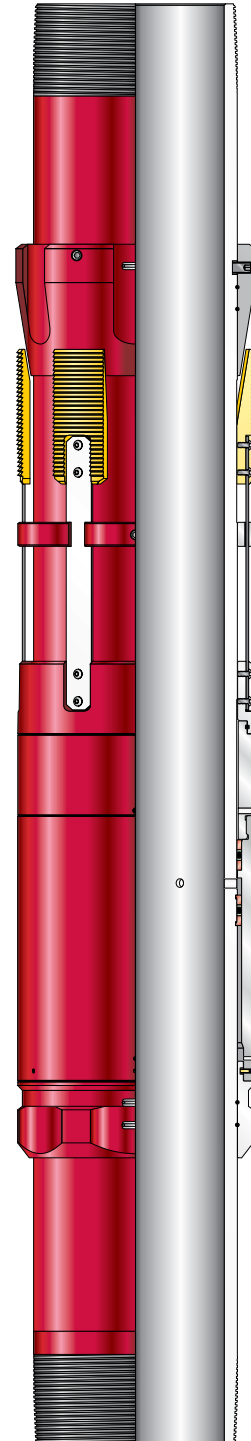
Differential hydraulic pressure across the hydraulic cylinder activates the WCSH hanger. Placing weight on the WCSH hanger forces the slips into the host casing and sets it.

### *Applications*

The WCSH liner hanger can be used for any liner that does not have to be reamed or drilled down and does not require rotation after the hanger is set.

### *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 WCSH hanger's performance capability.
- The single-cone design 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 on the market feature cones with three slips—a design that causes forces to triangulate, which can lead to hanger failure and can damage the host casing.
- Hydraulic activation removes the need for drillstring manipulation, making it possible to set the WCSH liner hanger in deep and/or highly deviated wells.





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

- One WCSH 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.

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### *Specifications*

For more information on the WCSH liner hangers, contact an authorized Weatherford representative.

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### *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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