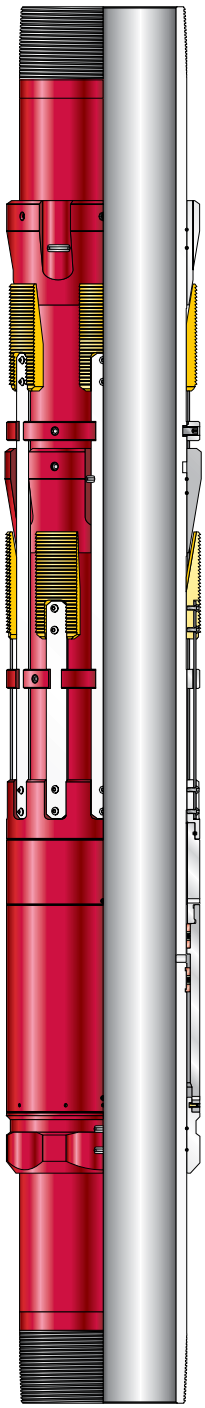
# WC-Series Tandem-Cone Hydraulic-Set (WCTH) Liner Hanger



Weatherford's WCTH liner hanger is a hydraulic-set liner hanger that does not compromise on performance. Unlike competitors' liner hangers, the WCTH liner hanger features tandem cones that are wire-locked to the body, rather than welded, and has six slips per cone. (Similar competitors' products feature three slips per cone.) The WCTH 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 WCTH hanger. Setting weight on the WCTH hanger sets it, forcing the slips into the host casing.

## Applications

The WCTH 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 thereby preserving the performance capability of the WCTH liner hanger.
- The design of the tandem cones, each with six carburized slips, results in a more robust liner hanger, enabling the support of extreme loads comparable to competitors' premium hangers. Most 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 WCTH liner hanger in deep and/or highly deviated wells.

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

- One WCTH 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 WCTH 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.