



WC-Series Single-Cone Mechanical-Set (WCSM) Liner Hanger

Weatherford's WCSM liner hanger is an economical, mechanical-set liner hanger that does not compromise on performance. Unlike competitors' liner hangers, the WCSM liner 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 WCSM hanger is ideal for liners that do not have to be reamed or drilled down.

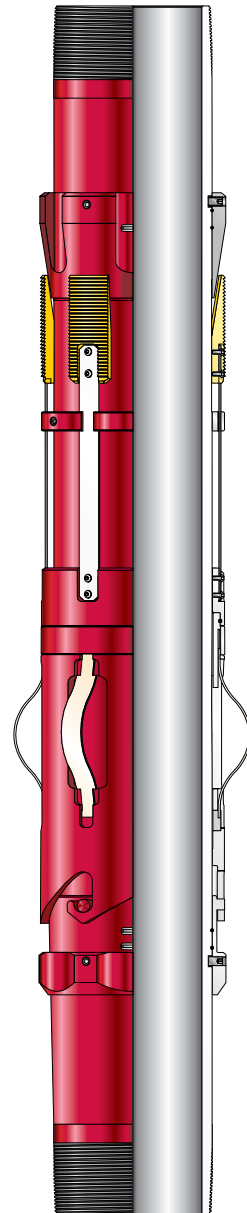
Manipulating the string at the WCSM hanger by picking up and rotating it at least one-sixth of a turn to the right activates it. Placing weight on the WCSM forces the slips into the host casing and sets it.

Applications

The WCSM liner 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 preserving the WCSM 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.
- Easy maneuverability enables the WCSM hanger to be unset with a straight overpull, enabling the liner hanger to be reset as required.





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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 additional required turns, enabling the hanger to function as designed.
- One WCSM 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 WCSM 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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