

# FLEX-LOCK V liner hanger system

Hang long, heavy liners  
with confidence

The Baker Hughes **FLEX-LOCK V™ liner hanger system** provides operators with an unmatched level of hanging reliability in today's most demanding applications through a proprietary slip-seat design, rotational ability, and incredibly robust construction.

Built on the field-proven designs of previous FLEX-LOCK liner hanger generations, the new FLEX-LOCK V liner hanger system has been optimized for extreme downhole conditions such as wellbores containing heavy drilling fluids or fluids with high solids content, as well as applications where liner rotation is required to get the liner to setting depth.

A non-welded, slip-seat-style hanger design—which provides greater hanging capacity than basic slip-and-cone hanger designs—distributes the liner weight circumferentially and has a larger slip contact area to help minimize collapse loading and deformation of the casing inside diameter. And an optimized slip-seat wedge profile and slip-rail design provide increased tolerance against solids pack-off, providing operators with

enhanced reliability in the heaviest liner hanger applications.

To enhance tool durability in more demanding ream-down and drill-down applications, a rotationally-locked feature is available for the FLEX-LOCK V system.

In applications requiring high-rate, high-pressure circulation, another version of the system—the **ControlSET FLEX-LOCK™ liner hanger system**—is an ideal solution because it is hydraulically-balanced and enables unrestricted circulation rates with no risk of premature hanger setting.

If rotation is needed during cementing operations after the hanger is set, the FLEX-LOCK V system can be equipped with a bearing to enable rotation and improve the cement job around the liner.

Contact your local Baker Hughes representative today to learn more about our next generation FLEX-LOCK V liner hanger system can deliver the reliability and the hanging performance you need in your most demanding wells.

## Applications

- Hanging exceptionally heavy liners
- Where high burst and collapse pressure ratings are needed
- Where rotation is needed to get liners to setting depth
- Wellbores with heavy drilling fluids or fluids with high solids content

## Benefits

- Robust hanging capacity
  - Supports the heaviest liner weights with minimal stress concentration on the casing
- Streamlined profile
  - Resists packed-off solids
  - Improves reliability
- FLEX-LOCK ControlSET system version
  - Features a cylinder locking mechanism and is hydraulically balanced
  - Prevents hanger presets in high-rate, high-pressure circulation applications or when debris is present
- Thrust bearings (optional)
  - Enable rotation during cementing operations after the hanger is set
  - Facilitate a more uniform cement job around the liner
- Rotationally locked for increased durability (optional)
  - Enables rotation so liners can be reliably run to setting depth