

Falcon Liner Top Packer

Hydraulic-set liner top packer

APPLICATIONS

- Uncemented horizontal, deviated, and vertical wells for
 - zonal isolation during multistage fracturing
 - isolated matrix acidizing treatments
 - stimulation when a well has casing integrity issues
 - stimulation of sandstone, carbonate, and shale plays
- ISO-14310 V3 liner top packoff requirements
- Liner hanger applications requiring rotational capabilities

BENEFITS

- Optimizes well integrity and enhances well stability and safety with ISO 14310 V3-qualified equipment
- Has holddown slips that prevent upward movement of the liner, resulting in more secure liner installation

FEATURES

- Antiswab element design
- Compatible with mechanical- or hydraulic-release setting tools
- Ability to be run with rugged RRT right-hand release or CRT hydraulic-release collet running tool
- ISO 14310 V3 tested and qualified
- Ability to rotate long liners and navigate challenging openhole conditions, minimizing installation time
- Bidirectional slips that prevent liner movement in either direction
- Integral retrievable cementing bushing profile to reduce piston effects during release of CRT running tool
- Reliable hydraulic pressure setting

The integral Falcon* liner top packer facilitates liner deployment in horizontal, deviated, and vertical wells. The packer has been specifically engineered to address the challenges in openhole stimulation applications.

Robust design

Hydraulic setting and rotational capabilities allow controlled liner deployment without excessive workstring manipulation. The packer holds the completion in place and allows the Falcon openhole packers to isolate the different zones to be stimulated.

Hydraulic setting

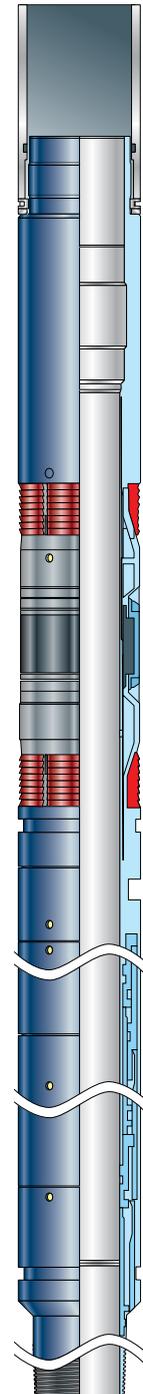
The Falcon liner top packer is set hydraulically with either a mechanical RRT right-hand release running tool or a hydraulic CRT collet-running tool. The packer element and hanger slips are also hydraulically set.

Enhanced stability

The Falcon liner top packer is ISO 14310 V3 qualified and rated to a differential pressure of 10,000 psi [68.9 MPa]. The packer uses materials with standard yield pressures of 110,000 psi [759 MPa]. Other yield strengths and materials may be available on request.

Falcon Liner Top Packer Specifications

Liner × casing size, in [mm]	4.50 × 7.00 [114.3 × 177.8]
Max. OD, in [mm]	5.938 [150.82]
Min. bore ID, in [mm]	3.875 [98.42]
Max. burst and collapse pressure rating, psi [MPa]	10,000 [68.9]
Max. temperature rating, degF [degC]	300 [150]
Body material	P110
Casing weight, lbm/ft [kg/m]	23–26 [34.23–38.69] 26–29 [38.69–43.16]
Sealbore length, ft [m]	2–20 [0.6–6]



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