

COMPLETION SOLUTIONS | EXPANDABLE LINER HANGERS

FEATURES

- Simple, clean-form design
- Metal-to-metal seal with resilient elastomeric seal¹
- Eliminates internal body connections
- 360-degree hydraulically energized compliant seal
- Engineered extrusion limiter rings
- Gas-tight, ISO 14310 V0 qualified²
- Performs in elevated temperature and pressure environments - tested up to 400°F (205°C) and pressures up to 15,000 psi
- Heavy liners and vertical or long lateral installations

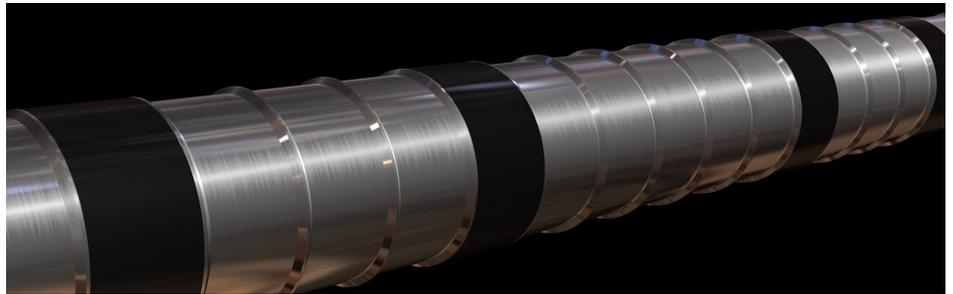
¹Resilient seals may not be present on all hangers, application dependent. ²Contact a Halliburton representative for full list of V0 qualified hangers.

BENEFITS

- Maintains hang-weight capability at elevated temperatures
- Sets in standard and heavy-weight parent casings
- Applicable across multiple applications
- Reduces ECDs and improves flow rates
- Single piece integral TBR/packer/hanger minimizes leak paths
- Fewer connections, less parts, less problems
- Energized sealing mechanism does not require drillpipe weight to set packer/hanger
- Reliable, engineered solution

XtremeGrip[®] and XtremeGrip[®] HP/HT systems

High-performance expandable liner hangers with enhanced hang-weight capabilities in elevated temperatures



Overview

Halliburton XtremeGrip[®] and XtremeGrip[®] HP/HT expandable liner hanger systems take the standard VersaFlex[®] liner hanger to the next level. This high-performance, advanced technology provides a compliant metal-to-metal seal with a fully bonded resilient elastomeric seal to account for imperfections in the parent casing. Its ability to provide an ISO 14310 V0 tested, gas-tight seal on setting is surpassed only by its ability to provide enhanced hangweight capabilities at elevated temperatures up to 400°F (205°C) and pressures up to 15,000 psi.

Ideal for use from land to deep water and HP/HT to geothermal applications, and wherever long liners are deployed, the XtremeGrip and XtremeGrip HP/HT systems are designed to mitigate risks and maintain hang-weight capabilities at elevated temperatures and pressures. The system offers increased robustness associated with liners and liner deployment. The hanger and running tool are assembled together and form an intrinsic packoff which minimizes downhole tool components and potential leak paths while cementing. The standard running tool setup offers wash-down capabilities, rotation capabilities without bearings and simultaneously allows for reciprocation of the liner. Once the cement has been placed and the tool actuates the expansion process, the hanger is set to offer bi-directional load capabilities and provide a gas-tight, liner-top seal which eliminates remedial liner-top squeeze jobs after setting.

The unique body profile of the XtremeGrip® and XtremeGrip® HP/HT systems utilizes engineered extrusion limiter rings to provide metal-to-metal sealing and full bi-directional anchoring capability in all casing grades at elevated XtremeGrip and XtremeGrip HP/HT Systems temperatures. Its clean-form design offers a smooth radial flow path allowing for unrestricted bypass area, which assist in reducing equivalent circulating densities (ECDs) during all phases of the operation.

Applications

- Land
- Offshore
- Deep Water
- HP / HT
- Geothermal

XtremeGrip® system

LINER OD	CASING SIZE OD	CASING WEIGHT
IN	IN	LB/FT
4 1/2, 5 1/2	7.0	32.0; 35.0; 38.0
4 1/2	7 5/8	35.8
5 1/2	7 5/8; 8 1/8	33.7; 54.0
5 3/4	7 5/8; 7 3/4	35.8; 42.8; 46.1
7 3/4	9 3/8; 9 5/8; 9 7/8; 9 3/4; 10.0; 10 1/8	39.0; 47.0; 53.5; 62.8; 65.1; 65.3; 68.8; 69.9; 79.3; 81.0
9 5/8; 10 1/8	11 3/4; 11 7/8	65.0; 71.8
11 3/4; 11 7/8	13 3/8; 13 5/8; 13 3/4; 13 7/8; 14.0; 14.15	54.5; 61.0; 68.0; 72.0; 88.2; 94.8; 98.58; 100.0; 105.89; 112.6; 113.0; 114.0; 115.0; 115.53; 116.0; 126.82
13 5/8; 14.0	16.0; 16.04; 16.15	84.0; 102.9; 109.0; 109.61; 119.23; 126.91; 127.5
16	18.0	93.54; 94.0; 105.0

Additional sizes or weight ranges are under development and testing.

XtremeGrip® HP/HT system

Selected sizes in the XtremeGrip® system portfolio are available in the HP/HT configuration to meet industry recognized temperature ratings of up to 400°F (205°C) and pressure ratings up to 15,000 psi.

LINER OD	CASING SIZE OD	CASING WEIGHT
IN	IN	LB/FT
5 1/2	7.0	32.0; 35.0; 38.0
5 3/4	7 5/8; 7 3/4	35.8; 42.8; 46.1
7 5/8; 7 3/4	9 3/8; 9 5/8; 9 7/8; 10.0; 10 1/8	39.0; 47.0; 53.5; 62.8; 65.1; 65.3; 68.8; 69.9; 79.3; 81.0
10 3/4; 11 3/4; 11 7/8	7 5/8; 7 3/4	35.8; 42.8; 46.1
13 5/8; 14.0	16.0; 16.04; 16.15	84.0; 102.9; 109.0; 109.61; 119.23; 126.91; 127.5

Additional sizes or weight ranges are under development and testing.

For more information, contact your local Halliburton representative or visit us on the web at www.halliburton.com

Sales of Halliburton products and services will be in accord solely with the terms and conditions contained in the contract between Halliburton and the customer that is applicable to the sale.

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