

# VersaFlex® XSL Expandable Liner Hanger System

## OPTIMIZED FOR RELIABLE ONSHORE AND OFFSHORE LINER INSTALLATIONS

### OVERVIEW

The VersaFlex® XSL expandable liner hanger (ELH) system delivers low-to-moderate load-bearing without sacrificing its gas-tight sealing capability or reliability. The system can provide significant value to your well construction projects without compromising quality and continues the legacy of our industry-leading ELH technology with a total system approach to liner installations. Applications include conventional, onshore, offshore, vertical, and horizontal liner installations.

Its unique body profile is engineered with extrusion limiter spikes, which provide a fully compliant metal-to-metal (MTM) seal with full bi-directional anchoring capability. Its ability to provide a 360° MTM seal is backed by redundant resilient elastomeric seals to account for any imperfections in the parent casing. With no external moving parts, its unique integral design eliminates any body connections below the hanger body to minimize leak paths. In addition, its clean-form design offers a smooth radial flow path allowing for unrestricted bypass area, which assists in reducing equivalent circulating densities (ECDs) during all phases of the operation.

The VersaFlex XSL liner hanger system includes a standard-length upper tieback receptacle. The lower setting sleeve can be adapted or easily threaded to a wide range of thread connections and compatible weight ranges.

### FEATURES

- » Shortened one-piece expandable hanger body design with engineered extrusion limiter spikes (non-damaging to parent casing ID)
- » 360° hydraulically energized MTM sealing package
- » Bi-directional anchoring and sealing capability
- » Wash and ream during deployment; rotate and reciprocate during cementing operations
- » Runs with the VersaFlex standard ball-drop system with quick lock collet
- » Compatible with wide range of industry-standard cementing accessories

### BENEFITS

- » Ready-to-run system — install and test before shipping
- » Set-and-forget sealing — design simplicity helps eliminate risks associated with conventional liner hangers
- » Unmatched, redundant gas-tight seal reliability
- » Running tools provide hydraulic hanger body expansion — no string weight to set required
- » Cement not required for pressure integrity
- » Based on field-proven VersaFlex® system technology



HCT1788-005

VersaFlex® XSL Expandable Liner Hanger with Tieback Seal

## VersaFlex® XSL Expandable Liner Hanger System Technical Specifications

Size in. (mm)	Casing Weight lb/ft (kg/m)	Maximum Elastomer OD in. (mm)	Tieback Receptacle Sealbore ID in. (mm)	Tieback Receptacle Sealbore Length in. (cm)	Expansion Body Material	Bottom Connection
5 x 7 (127 x 177.8)	29.00 - 32.00 (43.15 - 47.62)	5.88 (149.35)	5.25 (133.35)	127.35 (323.47)	Low Alloy Steel, 80 ksi MY	5.366 HST-LX Box
					Low Alloy Steel, 110 ksi MY	5.366 HST-LX Box
5 1/2 x 7 5/8 (139.7 x 193.7)	29.70 - 33.70 (43.16 - 50.15)	6.56 (166.62)	5.75 (146.05)	126.17 (320.47)	Low Alloy Steel, 80 ksi MY	Blank (5 1/2, 20 lb/ft)
					Low Alloy Steel, 80 ksi MY	5.366 HST-LX Box
					Low Alloy Steel, 110 ksi MY	Blank (5 1/2, 20 lb/ft)
7, 7 5/8 x 9 5/8 (177.8, 193.7 x 244.5)	47.00 - 53.00 (69.94 - 78.87)	8.325 (211.46)	7.75 (196.85)	123.80 (414.45)	Low Alloy Steel, 80 ksi MY	Blank (7 5/8, 39 lb/ft)
					Low Alloy Steel, 80 ksi MY	VAMTOP® Casing Pin (7 5/8, 39 lb/ft)
					Low Alloy Steel, 110 ksi MY	Blank (7 5/8, 39 lb/ft)
					Low Alloy Steel, 110 ksi MY	VAMTOP® Casing Pin (7 5/8, 39 lb/ft)

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## VersaFlex® Tieback Seal Assembly Technical Specifications

Top Connection in.	Locator Type	Pressure Rating psi (MPa)	Temperature Ratings °F (°C)	Maximum OD in. (mm)	Minimum ID in. (mm)	Mating Sealbore ID in. (mm)	Muleshoe Guide Type
4 1/2 API-LC Box	No-Go	10,000 (68.90)	275 (135)	5.85 (148.59)	4.00 (101.60)	5.25 (133.35)	Standard
5 API-LC Box	No-Go	10,000 (68.90)	275 (135)	5.85 (148.59)	4.26 (108.20)	5.25 (133.35)	Standard
Blank 7 5/8-33.70	No-Go	8,800 (60.70)	325 (163)	8.36 (212.34)	6.68 (169.67)	7.75 (196.85)	Standard

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