

# VersaFlex® Single-Trip Polished Bore Assembly with Integral Ratch-Latch™ Locator

## INSTALL AND SPACE OUT AN EXTENDED UPPER POLISHED BORE RECEPTACLE WITH LINER TIEBACK ON THE SAME TRIP AS THE TIEBACK SEAL ASSEMBLY

### OVERVIEW

The VersaFlex® single-trip polished bore assembly (PBA) with integral Ratch-Latch™ locator is used in conjunction with mating Halliburton XtremeGrip® liner hangers. The PBA features a floating tieback seal assembly, polished bore receptacle (PBR) and an integral lower Ratch-Latch locator. The tieback seal assembly includes a no-go locator, which allows for pinning the tieback seal assembly to the PBR. The Ratch-Latch locator mates to the existing liner hanger to provide a static anchor and seal at the liner top.

### OPERATION

Once the Ratch-Latch anchor is fully seated, the tieback seal assembly can be sheared from the PBR at a predetermined shear value to provide casing elongation and contraction capabilities. In addition, the tieback seal assembly provides a floating seal and maintains equivalent casing inner diameter (ID). The PBR and mating tieback seal assembly can be provided in varying lengths to ensure sealing during dynamic movement.

### APPLICATIONS

- » Standard applications that require large bores, dynamic sealing and the ability to retrieve the upper liner tieback system
- » Low equivalent circulating density (ECD) applications, where mitigating losses are critical, and in conjunction with Halliburton XtremeGrip Low ECD liner hangers for shorter liner hanger assembly

### FEATURES

- » Stroke lengths of 10 and 20 feet (3.0 and 6.1 meters)
- » Right-hand rotation releases the PBR from the liner hanger
- » Adjustable shear value
- » Premium V-packing seal configurations
- » Integral Ratch-Latch or Versa-Latch® anchor available
- » No special running tools required

### BENEFITS

- » Maintains maximum available IDs through the tieback
- » Minimal internal connections for fewer potential leak paths
- » Easily retrieve the PBR with a fishing tool spear without disturbing the liner hanger
- » Allows for integration to a single-trip completion production packer installation
- » Reduces OD and length of previously deployed liner system to improve ECD while maintaining available stroke for required tubing stress
- » Retrievable PBR allows for remedial operations or well design changes later in well life



VersaFlex® Single-Trip Polished Bore Assembly with Integral Ratch-Latch™ Locator

Casing Size in.	Locator Type	Max OD in.	Min ID in.	Mating Sealbore Min ID in.	Max Length in.	Seal Type	Conection Type	Temp Rating °F	Service
7	Versa-Latch®	5.665	3.67	4.89	416.56	Premium	Box	40 to 400	Std, CO <sub>2</sub> , H <sub>2</sub> S
7	Versa-Latch®	5.805	3.67	4.99	416.56	Premium	Box	40 to 400	Std, CO <sub>2</sub> , H <sub>2</sub> S
9 5/8	Ratch-Latch™	8.455	5.89	7.25	269.89	Premium	Box	40 to 400	Std, CO <sub>2</sub> , H <sub>2</sub> S

**Product Selection:**

The VersaFlex® single-trip polished bore assembly with integral Ratch-Latch™ locator offers multiple configurable variations of sizes, metallurgy, elastomer and attritubute selections. Contact your Halliburton Completion Tools Representative to select the appropriate product for your well construction solutions.



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For more information, contact your local Halliburton representative or visit us on the web at [www.halliburton.com](http://www.halliburton.com)

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