

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	Connection Type	Temp Rating °F	Service
7	Versa-Latch®	5.665	3.67	4.89	416.56	Premium	Box	40 to 400	Std, CO ₂ , H ₂ S
7	Versa-Latch®	5.805	3.67	4.99	416.56	Premium	Box	40 to 400	Std, CO ₂ , H ₂ S
9 5/8	Ratch-Latch™	8.455	5.89	7.25	269.89	Premium	Box	40 to 400	Std, CO ₂ , H ₂ S

Product Selection:

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



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

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