

X-Trieve™ HP (HHH and HHS) Retrievable Packers

**HP/HT, HYDROSTATIC-SET PACKERS IDEAL FOR
EXTREME COMPLETIONS WHERE PRESSURES REACH
UP TO 28,000 PSI.**

OVERVIEW

The X-Trieve™ HP (HHH and HHS) retrievable packer is a high-pressure/high-temperature (HP/HT), retrievable, single-string hydrostatic-set packer that can be run in extreme hydrostatic pressures up to 28,000 psi. The HHH packer is set interventionlessly in casing to divert casing-to-tubing flow. This packer contains a hydrostatic-setting feature that allows the packer to be set using available well hydrostatic pressure. Once set, a barrel slip secures the packer against well pressures from above and below. Internal slips system maintains the packer in the set position and is released and retrieved by a straight upward pull with the HRB retrieving tool.

The packer is deployed on tubing using regular completion techniques. Once it reaches the intended setting depth, a predetermined surface pressure is applied to increase the hydrostatic pressure at the packer, and the motion begins. This process is performed without well intervention or tubing plugging devices.

The X-Trieve™ HHS retrievable packer is a hydrostatic-set, cut-to-release version of the HHH packer. It is ideal for use in complex completions that require advanced packer-setting techniques. The HHS packer eliminates the need to deploy packer setting plugs. Once the packer is released, a snap ring engages the mandrel, locking the lower wedge in place. This helps hold the barrel slip in the retracted position.

FEATURES

- » Propped element package
- » Barrel slip
- » Casing-compliant, metal-to-metal backup shoes with 360° casing wall contact for element containment and reliability
- » Slips located below element package for protection from debris
- » No mandrel movement operation
- » Premium metallurgy and elastomers
- » Anti-reset (HHS packer)

BENEFITS

- » No milling required for retrieval
- » Suitable for unsupported casing
- » Non-damaging to casing
- » Maximum sealing and retrieving reliability
- » Designed to minimize rig time during completion and decompletion



HCT1768-011

X-Trieve™ HHH Packer Assembly

APPLICATIONS

- » Hot, corrosive, deep, deviated, production, or test completions with hydrostatic pressures up to 28,000 psi
- » Extended-reach completions where conventional intervention techniques are limited
- » Completions in which milling to retrieve a permanent packer is not desired
- » Wells in which minimum casing deformation or damage is desired
- » Single-trip completions
- » Multi-packer installations
- » Liner-top installations
- » Monobore completions

X-Trieve™ HP (HHH and HHS) Retrievable Packers Technical Specifications

Casing Size		Weight Range		Maximum OD		Minimum OD	
in.	mm	lb/ft	kg/m	in.	mm	in.	mm
7	177.80	38	56.55	5.73	145.54	5.725	145.42
7 5/8	193.68	39	58.04	6.295	159.89	6.29	159.77
	193.68	47.1	70.09	6.185	157.10	6.175	156.85
8 5/8	219.08	59.2	88.10	7.045	178.94	7.04	178.82
9 5/8	244.48	47:53.5	0.05	8.4	213.36	8.395	213.23
9 7/8	250.83	62.8	93.46	8.4	213.36	8.395	213.23
10 1/8	257.18	79.3	118.01	8.4	213.36	8.395	213.23



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