

BlackCat TH and TH CTR Hydraulic-Set Sealbore Production Packers

Designed to save time and improve operational efficiency in medium- to high-pressure applications

Applications

- High-pressure, high-flow applications
- One-trip applications onshore or offshore
- Deviated and horizontal wells
- Applications in which tubing movement may be encountered

Features and Benefits

- The packer can be set after the wellhead is flanged, which enables control of the well by the displacement or circulation of downhole fluids and eliminates additional rig time.
- Hydraulically setting the packer avoids the need to rotate the work string while running or retrieving the packer, which simplifies procedures, improves efficiency, and saves rig time and costs.
- One-trip installation improves operational efficiency.
- The packer components are rotationally locked to facilitate rotation into liner tops and horizontal sections to save rig time.
- The setting chamber is below the packer element to reduce potential leak paths after the packer is set, preventing future workovers.

Tool Description

The Weatherford BlackCat TH and TH CTR production packers are designed for medium- to high-pressure applications including production, stimulation, and testing. The rugged, high-performance packers can be hydraulically set without tubing manipulation and can be run with tubing-conveyed perforating (TCP) guns suspended beneath the packer. The TH version can be released with the BlackCat wireline releasing tool and can be retrieved on tubing. The TH CTR version can be released by using a chemical cutter on the lower mandrel.

The packers have passed rigorous International Organization of Standardization (ISO) 14310 test requirements and are available in materials meeting oilfield specifications—from alloy steel to corrosion-resistant alloy (CRA) materials—that are suitable for hydrogen sulfide (H₂S) service.



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Specifications

Casing				Packer					
OD	Weight	ID		Model	Gauge Ring OD	Minimum ID	Thread Connection	Product Number	Releasing Tool
		Minimum	Maximum						
6.625 in. 168.28 mm	24.0 lb/ft 35.72 kg/m	5.921 in. 150.39 mm	5.921 in. 150.39 mm	TH	5.671 in. 144.04 mm	3.545 in. 90.04 mm	4-1/2 in., 12.6-lb/ft, KSBEAR	2081953	2147995
7.000 in. 177.80 mm	23.0 to 29.7 lb/ft 35.72 to 44.20 kg/m	6.094 in. 154.79 mm	6.366 in. 161.70 mm	TH	5.937 in. 150.80 mm	3.875 in. 98.43 mm	4-1/2 in., 12.6-lb/ft, VAM TOP [®]	1742594	726644
7.625 in. 193.68 mm	24.0 to 29.7 lb/ft 35.72 to 44.20 kg/m	6.875 in. 174.63 mm	7.025 in. 178.44 mm	TH	6.688 in. 169.88 mm	3.845 in. 97.66 mm	4-1/2 in., 12.6-lb/ft, VAM TOP	TBD	175046
				TH CTR					-
9.625 in. 244.48 mm	47.0 to 53.5 lb/ft 69.94 to 79.62 kg/m	8.535 in. 216.79 mm	8.681 in. 220.50 mm	TH	8.319 in. 211.30 mm	4.690 in. 119.13 mm	5-1/2 in., 17-lb/ft, VAM TOP	1172771	1176121
				TH CTR		5.875 in. 149.23 mm			-

Refer to the specific product number technical manual to confirm packer release mechanism.

* VAM Top is a registered trademarks of Vallourec Mannesmann Oil & Gas France Corporation.

