



BlackCat™ TH Hydraulic-Set Production Packer

Weatherford's *BlackCat* TH hydraulic-set production packer is designed for medium- to high-pressure production and testing. The rugged, high-performance packer can be hydraulically set without manipulation of the tubing and can be run with tubing-conveyed perforating guns suspended beneath. The packer can be released with the *BlackCat* wireline releasing tool and retrieved on tubing.

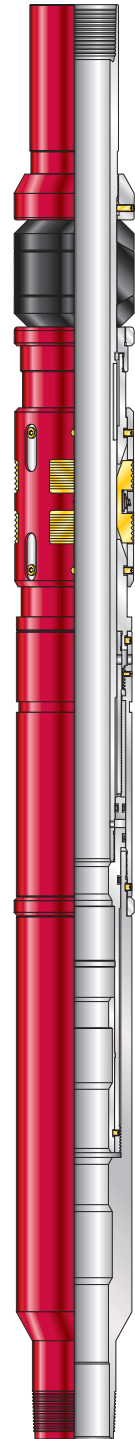
The packer is available in most oilfield material specifications from alloy steel to corrosion-resistant alloy materials, suitable for hydrogen-sulfide service.

Applications

- High-pressure, high-flow applications
- One-trip applications on land and offshore
- Operations in which tubing may move
- Deviated and horizontal wells

Features, Advantages and Benefits

- The packer can be set after the wellhead is flanged, enabling the well to be controlled by the displacement or circulation of downhole fluids, eliminating additional rig time.
- Hydraulically setting the packer avoids the need to rotate the work string in running or retrieving the packer, which simplifies procedures, improves efficiency, and saves rig time.
- The packer can be installed in one trip, saving valuable rig time.
- The ECNER array system (high-pressure thermal packing element) reduces the swab-off effect and facilitates center packoff by enabling supporting force to be applied to the outer elements.
- The packer components are rotationally locked to enable rotation into liner tops and horizontal sections, saving rig time.
- The cylinder is below the packer element to reduce potential leak paths after the packer is set, preventing future workovers.
- Packer retrieval can be started with a slickline, saving rig time by eliminating an extra trip in the hole.





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Specifications

Casing				Packer				
OD (in./mm)	Weight (lb/ft, kg/m)	ID (in./mm)		Gauge Ring OD (in./mm)	Minimum ID (in./mm)	Thread Connection	Product	Releasing Tool
		Minimum	Maximum					
7 177.8	23.0 to 32.0 34.2 to 47.6	6.094 154.79	6.366 161.70	5.937 150.80	3.875 98.43	4 1/2-in., 11.6-lb NEW VAM®	174115	175046
7-5/8 193.7	24.0 to 29.7 35.7 to 44.2	6.875 174.63	7.025 178.44	6.688 169.88	3.845 97.66	4 1/2-in., 12.6-lb NEW VAM	175092	
9-5/8 244.8	47.0 to 53.5 69.9 to 79.6	8.535 216.79	8.681 220.50	8.319 211.30	4.690 119.13	5-1/2-in., 17.0-lb VAM TOP	1172771	1176121

Options

- Other connections, metals, and elastomers may be ordered.
- An O-ring pressure-test kit is available for shop testing the assembly.

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