Openhole Completions



CERES Hydraulic Openhole Packer

Weatherford's CERES hydraulic openhole packer is a mechanical sealing packer designed for openhole multizonal isolation. The extended-length element is capable of holding high differential pressure needed for fracturing applications. The built-in antipreset device prevents the element from prematurely setting. The body-lock ring locks the element into position, holding differential pressure from above and below the element. The CERES packer is compact in length, aiding in deployment efficiency through high-dogleg well intervals.

The CERES packer is part of Weatherford's ZoneSelect[®] fracturing system. This system provides an extensive portfolio of openhole isolation packers, selective stimulation sleeves, and ancillary equipment, which enables optimal performance in various operating and producing environments.

Applications

- Multizone isolation in stimulation and fracturing operations
- · High-pressure fracturing stimulations
- Horizontal wells
- · Completing wells underbalanced or on losses

Features, Advantages and Benefits

- Increased packing-element length improves openhole-sealing capability over other nonswelling-type element packers, reducing the need for packer redundancy.
- The high-performance packing-element system mitigates fracturing propagation around the packer, enhancing stimulation treatment effectiveness.
- No mandrel movement during setting ensures multiple tools can be spaced out without excessive load during setting operations.
- Built-in antipreset device coupled with a short packer length reduces operational risk in tight-hole and high-dogleg well intervals, improving operational efficiency and enhancing safety.



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Specifications

Size (in./ <i>mm</i>)	3.50 × 4.75	4.50 × 7.88	5.50 × 7.88	5.50 × 8.75
	88.9 × 120.7	114.3 × 200.0	139.7 × 200.0	139.7 × 222.0
Openhole size (in./mm)	4.75 to 4.88	7.88 to 8.00		8.75 to 8.88
	121.0 to 124.0	200.0 to 203.0		222.0 to 225.0
Tubing size (in./mm)	3.50	4.50	5.50	
	88.9	114.3	139.7	
Tubing weight (lb/ft, <i>kg/m</i>)	9.20	13.50	23.00	17.00
	13.1	20.1	34.3	25.3
Differential pressure rating (psi/MPa)	8,000	10,000	9,600	10,000
	55.2	<i>68.9</i>	66.2	68.9
Minimum setting pressure (psi/MPa)	4,000 27.6			
Maximum temperature rating (°F/°C)	300° 150°			
Maximum OD (in. <i>/mm</i>)	4.55	7.25		8.15
	115.6	184.1		207.0
Drift ID (in./mm)	2.87	3.80	4.55	4.77
	72.8	96.4	115.4	121.1
Overall length (in./mm)	48.00	84.02		53.01
	1219.2	2134.1		1346.5

For internal use

Link to Endeca assembly part numbers: CERES Openhole Packer

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