#### **Openhole Completions**



# **ComboPac Openhole Packer**

Weatherford's ComboPac openhole packer provides both mechanical- and swellingelastomer isolation to bridge and seal in a large openhole clearance. The ComboPac packer is a combination of a conventional compression-set element and a conforming swellable elastomer. The innovative design combines the instant pack-off capabilities of a mechanical element when set, with the pressure support of a longer, more compliant swellable element. The swellable element can be supplied in a water-, oil-, or hybridswelling elastomer to meet individual well requirements.

This packer is designed for use a larger range of openhole sizes than the ComboFrac packer.

#### **Applications**

- Multizonal openhole completions for interzonal isolation
- · Isolation of sand-screen sections
- · Horizontal wells

#### Features, Advantages and Benefits

- The ComboPac packer's element length is 5 ft (1.5 m), which ensures an effective seal over the irregular openhole section.
- The packer includes a compression-set element for instant isolation and pressure integrity. This feature along with the conforming sealing of the swellable, allows earlier application of pressure across the packer saving rig time.
- The ComboPac packer's conforming swellable element enables isolation in irregular hole shapes and changing annular geometries, improving zonal isolation over mechanical openhole packers.
- An interlocking feature locks the setting device during deployment ensuring that the packer can reach bottom without prematurely setting.
- The swellable elastomer's resealing capability in openhole applications meets longterm life-of-well zonal isolation requirements, maximizing production.

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### **Specifications**

		4-1/2 × 6.60	5-1/2 × 9.50
Size (in./mm)		114 × 168	140 × 241
Openhole size (in./mm)		6.00 to 6.60 152 to 168	8.25 to 9.50 209 to 241
Tubing size (in./mm)		4-1/2 114.3	5-1/2 140.0
Tubing weight (lb/ft, <i>kg/m</i> )		11.6 17.2	23.0 34.2
Differential pressure rating (psi/MPa)		2,500 17.2	
Setting actuation pressure (psi/MPa)		3,000 20.6	
Activation fluid	Water	Brine, seawater	
	Oil	Oil-based mud, invert, diesel	
	Hybrid	Oil or water emulsions	
Maximum temperature rating (°F/°C)	Water	250° 121°	
	Oil	300° 149°	
	Hybrid		
Tensile rating (lbf/daN)		220,000 97,860	388,000 <i>146,790</i>
Material specifications		4140 (L-80)	
Maximum OD (in./ <i>mm</i> )		5.625 142.9	8.000 203.2
Minimum ID (in./mm)		3.500 <i>88.9</i>	4.780 121.4
Overall length with LTC threads (in./mm)		187.0 <i>4,750</i>	180.0 <i>4</i> ,572

For internal use

Link to Endeca assembly part numbers: ComboPac Openhole Packer

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