WidePak™ Packer

Weatherford's *WidePak* packer is a large-bore tool that can be used in a variety of intervention applications and is run on coiled tubing, slickline, and wireline as well as conventional tubing in existing completion strings. As the result of running through tubing, this packer passes ID restrictions (such as nipple seal bores, sliding sleeves, safety valves, and other tubing-mounted devices), and is then set—packing off (bridging) large extrusion gaps and sealing against high pressures at high temperatures. The packer features the patent-pending Hydra-Boost system that energizes and locks in additional boost force, providing superior sealing ability during pressure reversals and changes in temperature—conditions that often cause conventional packers to leak.

Applications

- Used to straddle perforations, tubing connections, corroded tubing, and other tools in the tubing string to provide zonal shutoff or to control flow or leaks
- Well suited for monobore wells that require screen hang-offs and tubing extensions
- Used with a safety valve (mounted below the *WidePak* packer) to replace an original malfunctioning valve in the tubing string

Features, Advantages and Benefits

- The *WidePak* large bore provides an optimized flow area, increasing production volume.
- This single packer converts into a one-trip straddle system, facilitating intervention operations.
- The tool's capabilities enable high-pressure operation in excess of 5,000 psi (34.5 MPa) and at temperatures ranging from 40°F (4°C) to 325°F (163°C), providing operational flexibility.
- The *WidePak* packer has ISO 14310 V0 validation up to 5,000 psi (34.5 MPa) and 40°F (4°C) to 275°F (135°C), increasing tool reliability.
- The tool's multiple conveyance methods enhance operational versatility, promoting *WidePak* use in remote or costly offshore operations.
- The packer's straight-pull, low-force release provides easy retrieval, making this tool ideal for use in deviated and horizontal applications.

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Specifications

Tubing Size (in.)	Tubing Weight (lb/ft) ID Range (in./*mm*)	Packer Size (in.)	Maximum Gauge Ring OD (in./*mm*)	Maximum Packing Element OD (in./*mm*)	Body ID (in./*mm*)	Upper Seal Bore (in./*mm*)	Temperature Pressure Rating (°F/°*C*) (psi/*kPa*)	Release Force (lbf/*N*)
2-7/8	6.500 2.373 to 2.494 *60.274 to 63.348*	224 × 147	2.240 *56.896*	2.215 *56.261*	1.468 *37.287*	1.750 *44.450*	40° to 275° *4.5° to 135.0°* 5,000 *34,475*	3,700 *16,458*
3-1/2	12.750 2.720 to 2.780 *69.088 to 70.612*	267 × 181	2.670 *67.818*	2.654 *67.410*	1.810 *45.970*	2.187 *55.550*	40° to 275° *4.5° to 135.0°* 5,000 *34,475*	3,700 *16,458*
	9.200 to 10.200 2.962 to 3.022 *75.235 to 76.759*	274 × 181	2.740 *69.596*	2.722 *69.140*				
4-1/2	12.600 to 15.100 3.741 to 4.000 *95.021 to 101.600*	367 × 238	3.670 *93.218*	3.654 *92.812*	2.375 *60.325*	2.875 *73.025*	40° to 325° *4.5° to 162.8°* 5,000 *34,475*	9,600 *42,703*
	10.500 to 12.600 3.885 to 4.110 *98.679 to 104.394*	374 × 238	3.740 *94.996*					
5-1/2	17.000 to 23.000 4.578 to 4.976 *116.281 to 126.390*	450 × 300	4.500 *114.300*	4.455 *113.157*	3.000 *76.200*	3.625 *92.075*	40° to 325° *4.5° to 162.8°* 5,000 *34,475*	9,600 *42,703*
	15.500 to 17.000 4.819 to 5.030 *122.403 to 127.762*	470 × 300	4.700 *119.380*	4.655 *118.237*				
7	29.000 to 35.000 5.801 to 5.892 *147.345 to 149.657*	572 × 400	5.725 *145.415*	5.710 *145.034*	4.000 *101.600*	4.812 *88.190*	40° to 350° *4.5° to 176.7°* 5,000 *34,475*	9,600 *42,703*
	23.000 to 29.000 6.088 to 6.466 *154.635 to 164.236*	593 × 400	5.930 *150.622*					

