



ReelFrac *ZoneSelect® Packer*

Weatherford's ReelFrac ZoneSelect packer is part of the thru-tubing ReelFrac portfolio. It is designed to run with the ZoneSelect CT stimulation-sleeve system as the actuation tool. The packer is comprised of three components including the CT unloader sub, the CT dual-cup packer sub, and the CT shifting sub.

In an unconventional well, the CT stimulation-sleeve system is run in as part of the completion string. Coiled tubing and the ReelFrac ZoneSelect packer are used to actuate the CT stimulation-sleeve system and perform the stimulation treatment. During this operation, the CT shifting sub is used to locate and expose keys on the tool when tension is applied. Then the packer is pulled up above the CT stimulation sleeve and subsequently pumped down with annular flow to shift open the sleeve. After the CT stimulation sleeve is fully opened, the packer continues to move down the well until it reaches the CT combo sub, and the stimulation treatment can be performed down the annulus between the casing and the coil. After the stimulation operation is complete, the packer is pulled up to treat the next stage. If needed, the keys on the CT shifting sub can be disengaged or covered up. The keys must be disengaged to allow the CT shifting tool to move downhole to a previously stimulated stage.

Applications

- Horizontal or vertical wells
- Openhole or cemented multistage completions
- Single-point or cluster stimulation applications
- Extended-reach applications





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Features, Advantages, and Benefits

- The run-in configuration prevents inadvertent opening of sleeves, reducing operational risks.
- Pressure equalization is allowed after the stimulation treatment and while pulling out of hole, minimizing the risk of formation or tool damage.
- The dual-cup packer sub facilitates annular-flow-assisted (pumpdown-assisted) deployment and actuation for long-reach horizontal applications.
- The tool is located in the stimulation sub below the frac sleeve, away from the proppant flow during the stimulation treatment, to minimize tool erosion.
- The CT shifting tool functions without reciprocation or pressure, minimizing coiled-tubing fatigue.

Specifications

Sleeve size (in.)	5-1/2
Connection	2-3/8 WTS-8 Box, 4.70 ppf
Burst rating (psi, MPa)	18,500* 127.55
Collapse rating (psi, MPa)	15,000* 103.42
Tensile rating (lbf, N)	126,000* 560,476
Cup packer pressure rating (psi, MPa)	10,000 69.00
Cup packer OD (in., mm)	4.75 120.65
Maximum OD, keys expanded (in., mm)	4.80 122.00
Maximum OD, keys retracted (in., mm)	4.40 112.00
Minimum ID (in., mm)	1.00 25.40
Maximum temperature (°F, °C)	350 176

*The values given are for the unloader; the rating for the tool section is higher.