

TECH DATA SHEET

RECEDO Lightning™

Dissolvable Frac Plug



OVERVIEW

Frontier Oil Tool's RECEDO Lightning™ Dissolving Frac Plug has been designed and extensively tested to seal with frac pressure of 10,000 psi. The simple but effective design is a balance of compactness and strength. It uses fewer anchoring buttons, less than other designs on the market, but is reliable and rock-solid.

The RECEDO Lightning™ provides both a small, but effective, elastomer and a metal-to-metal seal that provides a barrier for numerous casing ID conditions, even during low pressure tests.

The RECEDO Lightning™ materials can be made-to-order to dissolve in a few hours or in days, reducing rig time and eliminating the need for coil tubing clean up runs which adds higher costs and time.

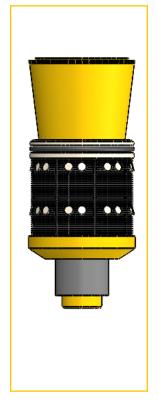
APPLICATIONS

- Plug-and-perf completions
- Cemented Liner
- Extended reach

- Isolation of individual zones for stimulation
- Can be used in highly deviated horizontal wells.

BENIFITS

- Pressure Rating 10,000 psi or above.
- Trip in speeds up to 800 ft/min.
- Compatible with most completion wellbore fluids; clean or dirty water.
- Ball-in-place or surface drop-ball designs are available upon request.
- Operational temperature 70-325°F (21-162°C).
- Dissolving removal but optional drill out with conventional tubing or coil tubing.
- Fewer anchoring buttons than other designs, means significantly reduced debris in the well.
- Button penetration into casing ID is less the others, minizine any casing ID damage and increasing casing integrity.
- Anchors securely in most casing grades, even Q-125.
- Sets with traditional wireline setting tools like the Baker E4 - #10 & #20.



CASING				TOOL OD		SPECIAL	PRESSURE RATING	
OD	Weight	OD	Weight					
in	lb/ft	mm	kg/m	in	mm		psi	Мра
4-1/2	11.6-13.5	114.3	17.3-20.1	3.66	92.7		10,000	69
4-1/2	15.1-16.9	144.3	22.5-25.2	3.55	90.2		10,000	69
5-1/2	20-23	139.7	29.8-34.2	4.375	111.1		11,000	75
5-1/2	26	139.7	38.7	4.13	104.9		12,000	82
6	23-26	152.4	34.2-38.7	4.90	124.5		10.000	69