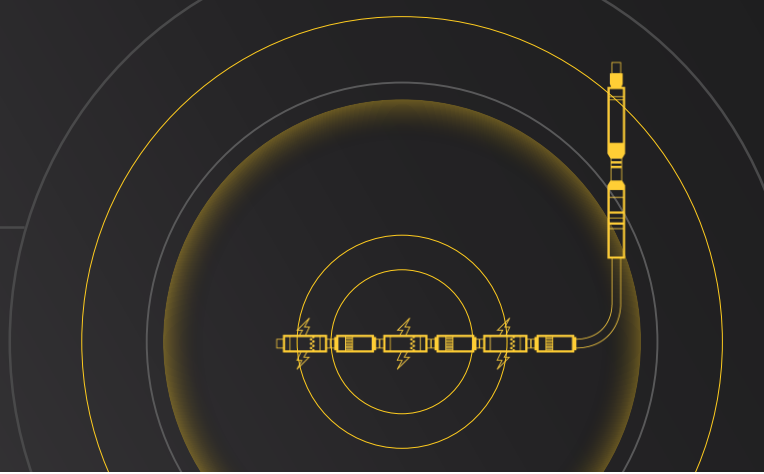


TECH DATA SHEET

Frontier F1 Dissolvable Frac Plug



OVERVIEW

The F1 frac plug is a high-performance dissolving frac plug designed to withstand frac pressures of 10,000 psi at over 300F in today's demanding frac applications. The F1 offers extreme pump in rates at over 20 BPM along with large bore for flow back. This fully dissolving plug helps eliminate the risk associated with drillable plugs and is available in our standard dissolve rate alloys and Xcel dissolve alloys. The F1 allows you to meet the needs of your well regardless of fluid conditions. to allow the dissolve rate to be tailored for different Environments.

The F1 plug allows you to get to depth rapidly, set reliably and frac at pressure all while you allowing to dissolve on time.

FEATURES

- Magnesium Alloy Material
- Two Materials Options
- Compact Short Design
- Ball in Place Option Available
- Pressure Rating 10,000 Psi
- Temperature Rating Range 80-300F
- Slip Type – Ceramic Button (2 Design Options)
- Large Bore, which allows for Easier Clean Up and Reduces Dissolve Times
- No Element
- No Shear/Dowell Pins Holding Plug Together
- Simple Running Adaptor



Size Chart

Casing Size	Casing Weight (PPF)	OD of Plug	ID of Plug	Plug Length	Max Temp F	Max Pressure (PSI)	Configuration	Slip Type
3-1/2"	9.2 -10.2#	2.690"	0.780"	16"	300F	10,000PSI	Ball Drop	Ceramic Button
4-1/2"	11.6 - 13.5#	3.670"	1.250"	16"	300F	10,000PSI	Ball Drop *	Ceramic Button
5"	18 - 21.4#	3.950"	1.250"	16"	350F	10,000PSI	Ball Drop *	Ceramic Button
5-1/2"	17 - 20#	4.570"	1.625"	16"	350F	10,000PSI	Ball Drop *	Ceramic Button
5-1/2"	20 - 23#	4.370"	1.625"	16"	350F	10,000PSI	Ball Drop *	Ceramic Button
5-1/2"	23 - 26#	4.250"	1.625"	16"	350F	10,000PSI	Ball Drop *	Ceramic Button
6"	24.5 – 25#	4.950"	2.000"	16"	350F	10,000PSI	Ball Drop *	Ceramic Button

* Ball in Place Options Available



