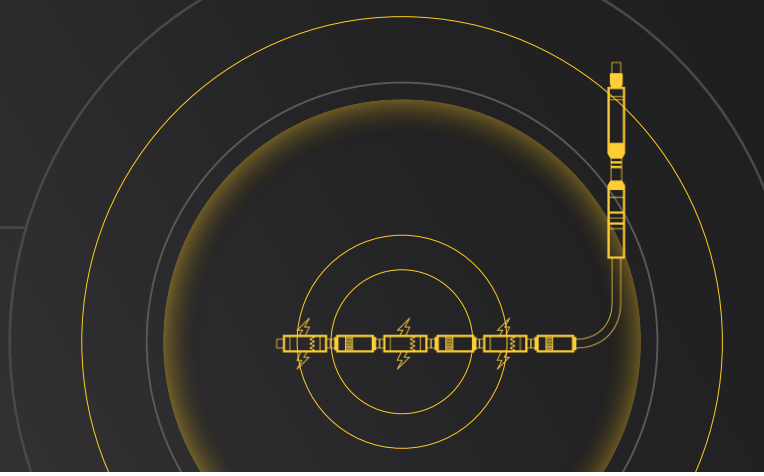


TECH DATA SHEET

Frontier ISO Composite Bridge/Frac Plug



OVERVIEW

Composite Frac Plug provides a means to isolate multiple zones during high pressure stimulation frac operations or temporary well abandonment. This device can be run as a Bridge Plug or a Frac Plug with a ball which can be dropped from surface or ran in place, the plug allows for fluid to flow from above to below until the ball seats giving isolation from above. The operator can pressure up against the frac plug to isolate lower stages, Due to the composite material the plug can be easily milled and circulated back to surface.

FEATURES

- Composite Design
- High Strength Composite and Thermoplastic Material
- Pressure Rating 10,000 Psi
- Temperature Rating Range 40 – 300 Deg F
- Slip Type – Cast Iron Slip
- Plug Mill Out Time Range from 10 – 15 Mins
- Element Back Up Ring Support Element Durability
- Can With Stand High Draw Down Pressures in Flow Back (Screen Out Recovery)
- No Shear/Dowell Pins Holding Plug Together
- Simple Running Adaptor (No Service Hand Required)

BENEFITS

- Can Accommodate Dissolvable Frac Balls
- Ball Configuration Options can be Selected on Location
- Full & Half Mule Shoe Configurations for Easy Liner Top Entry
- Slip Cone Design Ensures Plug does Not Rotate During Mill Up
- Minimal Casing Damage



Specification

Plug Size	Casing Weight (PPF)	OD of Plug	ID of Plug	Plug Length	ID of Casing	Max Temp (F)	Max Pressure (PSI)	Configuration	Slip Type
3-1/2"	9.3 – 10.3#	2.725"	.812"	18.75"	2.922" – 2.992"	300F	10,000 psi	Bridge/Ball Drop/Ball in Place	Full Composite Cast Iron Slips
4"	9.5 – 11#	3.188"	.812"	23.25"	3.476" – 3.548"	300F	10,000 psi	Bridge/Ball Drop/Ball in Place	Full Composite Cast Iron Slips
4-1/2"	11.6 – 13.5#	3.660"	1.000"	23.25"	3.920" – 4.000"	300F	10,000 psi	Bridge/Ball Drop/Ball in Place	Full Composite Cast Iron Slips
4-1/2"	15.1#	3.440"	1.000"	23.25"	3.826"	300F	10,000 psi	Bridge/Ball Drop/Ball in Place	Full Composite Cast Iron Slips
5"	18#	4.276"	.812"	23.25"	3.940"	300F	10,000 psi	Bridge/Ball Drop/Ball in Place	Full Composite Cast Iron Slips
5-1/2"	15.5 – 20#	4.370"	1.445"	20.25"	4.778" – 4.950"	300F	10,000 psi	Bridge/Ball Drop/Ball in Place	Full Composite Cast Iron Slips
5-1/2"	23 – 26#	4.212"	1.445"	20.25"	4.548" – 4.670"	300F	10,000 psi	Bridge/Ball Drop/Ball in Place	Full Composite Cast Iron Slips
7"	20 – 32#	5.800"	2.000"	31"	6.094" – 6.456"	300F	10,000 psi	Bridge/Ball Drop/Ball in Place	Full Composite Cast Iron Slips
7"	35 – 38#	5.750"	2.000"	31"	5.795" – 6.004"	300F	10,000 psi	Bridge/Ball Drop/Ball in Place	Full Composite Cast Iron Slips

