

Composite Plugs



**PetroForge
Technology**



Table of Contents

PFT-CBP Composite Bridge Plug	2
PFT-CFP Composite Frac Plug.....	4

PFT-CBP Composite Bridge Plug

The PFT-CBP Composite Bridge Plug is a non-metallic high-quality tool primarily used for temporary isolation in intervention wells (thru-tubing), multi-stage vertical, or horizontal completion operations. Comprised of proprietary composite material for use in high temperature applications, the bridge plug can be quickly and easily milled and circulated back to surface.

Applications

- Can be set on wireline or coiled tubing using conventional setting tools
- Can be milled or drilled with coiled tubing or a rig
- Positive seal after setting
- Temporary well plugging

Features, Advantages, and Benefits

- Plugs hold full differential pressure from above
- Composite construction and lack of wrought metal parts (such as brass or steel) save time by allowing quick drill-out with conventional tri-cone or junk-mill bits and result in lightweight cuttings that lift easily and minimize plugging of surface equipment.
- Composite construction produces lightweight cuttings when drilled out and allows running of multiple plugs to isolate a series of zones, reducing rig time and the number of operations required to fracture multiple zones in the same well.
- Beveled bottom prevents body from spinning, thus decreasing drill-out time.



Specifications

Casing				Bridge Plug		
Size in inches (mm)	Weight lb/ft	Min. ID (in)	Max. ID. (in)	Max. OD (in)	Pressure Rating (psi)	Temp. Rating (°F)
4.500 (114,30)	9.50-13.50	3.920	4.090	3.660	10,000	250/300/350
	15.10-18.80	3.640	3.826	3.440	10,000	250/300/350
5.000 (127,00)	11.50-18.00	4.276	4.560	3.940	10,000	250/300/350
	20.30-21.40	4.126	4.184	3.690	10,000	250/300/350
	23.20	4.044	4.044	3.620	10,000	250/300/350
5.500 (139,70)	15.50-23.00	4.670	4.950	4.370	10,000	250/300/350
	26.00-28.40	4.440	4.548	4.200	10,000	250/300/350

PFT-CFP Composite Frac Plug

PFT-CFP frac plugs isolate the formation above the plug for fracturing operations in both single- and multiple-zone stimulation applications, while allowing flow back through the body for pressure equalization or production. These plugs are casing and in either integral-ball or floating top-ball configurations for most sizes. The top-ball design provides a larger flow area for higher return rates. The integral design keeps the ball in place inside the plug. The flexibility of these tools can save operational time while protecting sensitive formations.

PFT-CFP frac plugs excel in stacked applications, achieving reliable operation and rapid drill-out using conventional drilling methods and equipment, including coiled-tubing drilling motors. They work extremely well in underbalanced applications and in highly deviated, horizontal or multilateral wellbores.

Applications

- Single- or multiple-zone stimulation
- Vertical, deviated, horizontal, or multilateral wellbores
- Underbalanced, multiple-zone completions
- Temporary well plugging

Features, Advantages, and Benefits

- Plugs hold full differential pressure from above
- Composite construction and lack of wrought metal parts (such as brass or steel) save time by allowing quick drill-out with conventional tri-cone or junk-mill bits and result in lightweight cuttings that lift easily and minimize plugging of surface equipment.
- Composite construction produces lightweight cuttings when drilled out and allows running of multiple plugs to isolate a series of zones, reducing rig time and the number of operations required to fracture multiple zones in the same well.
- Beveled bottom prevents body from spinning, thus decreasing drill-out time.
- Check ball allows backflow through the body for equalization or production.



Specifications

Casing				Frac Plug		
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