

PHANTOM HYBRID Big Bore Frac Plug Phantom Hybrid

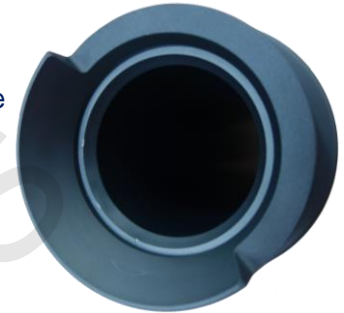


Phantom Hybrid big bore frac plug (BBFP) is a revolutionary design evolved from traditional big bore frac plugs, combining large ID feature of traditional big bore frac plug and the fast-drilling feature of composite plugs. This unique plug design brings your wells into production in the most efficient manner. In addition, production logging or re-frac operation - likely to be faced in wells' production life have been considered. A greatly simplified removal process, given the high drill-ability of Phantom Hybrid® BBFP will ensure you full bore access for better logging or re-frac solutions.

Features:



- Large flow-thru ID allows production through tool
- Aluminum & composite components for shorter milling time
- Pressure rating to 10,000 psi (STD)
- Temperature rating to 302°F (STD)
- Used with VVANISH metal/PGA dissolvable frac ball
- Compatible with standard wireline or hydraulic setting tools
- Robust anti-preset design minimizes pre-set risk
- Combine with special milling shoe, lower WOB required, providing advantages in the long horizontal applications



Specifications:

Model	Casing		Tool	
	Size(in)	Weight(lb/ft)	OD (in)	ID (in)
4.5 Phantom Hybrid	4.5"	13.5	3.562	1.968
5.5 Phantom Hybrid	5.5"	23	4.220	2.365
	5.5"	26.0 - 26.8	4.067	2.250
Pressure Rating	10,000 psi (STD)			
Temperature Rating	302°F(STD)			
Setting Tool	Baker 10#/20#			

NOTE:

Other designs are available upon request. Average milling time 30-60min. /plug, milling time may vary under different operation and well condition.