

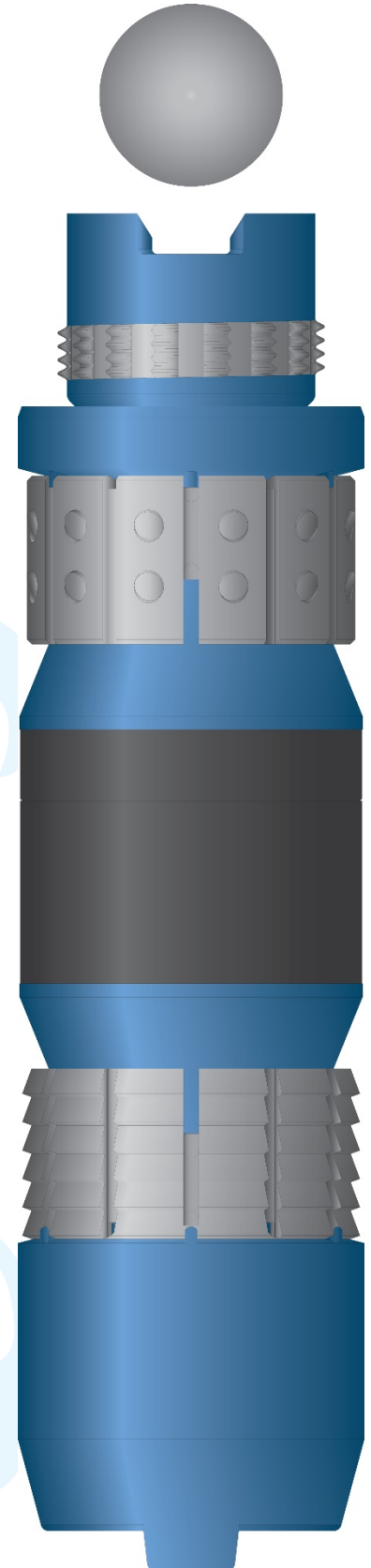
# Hybrid Composite Fracturing Plug

The Trident Hybrid Composite Fracturing Plug is an optimal design that provides rugged, reliable performance in the well bore and ease of removal during drill-out. The innovative slip design utilizes a composite upper slip for more aggressive mill out procedures, while maintaining integrity during hydraulic operations.

This plug was modeled after the Gryphon Trident SC Composite Frac Plug that uses a single mandrel, intricate back up system and 10,000 psi (69 MPa) proven element. The lower slip is ductile cast iron with hardened whickers. The break up value on the lower slips is increased to prevent pre-sets while running in the hole and encountering an obstruction. A water saver kit can be included to reduce the amount of water bypass during pump down operations.

## Features and Benefits

- Composite upper slips for ease of mill-out
- Compatible with standard phenolic or disintegrating balls
- Molded composite material results in robust and consistent performance
- Pump down wiper is a part of the kit, one less part left downhole
- No shear screws left downhole, (shear thread disconnect)
- “Ball on seat” option available during installation
- Single mandrel to reduce damage to plug if impacted
- Short length minimizes drill out time and debris
- 10,000 psi (69 MPa) differential pressure rating



Specifications							
Casing		Fracturing Plug					
Size	Weight	O.D.	I.D.	Ball Size	Length	Pressure Rating	Temperature Rating
in mm	lb/ft kg/m	in mm	in mm	in mm	in cm	psi kPa	°F °C
5-1/2 139.7	20.00 - 23.00	4.250	0.750	2.250 57.15	16.75 42.55	10,000 68,948	275 135
	29.76 - 34.23	107.95	19.05				
	17.00 - 26.00	4.390	1.500				
	25.30 - 38.69	111.51	38.10				