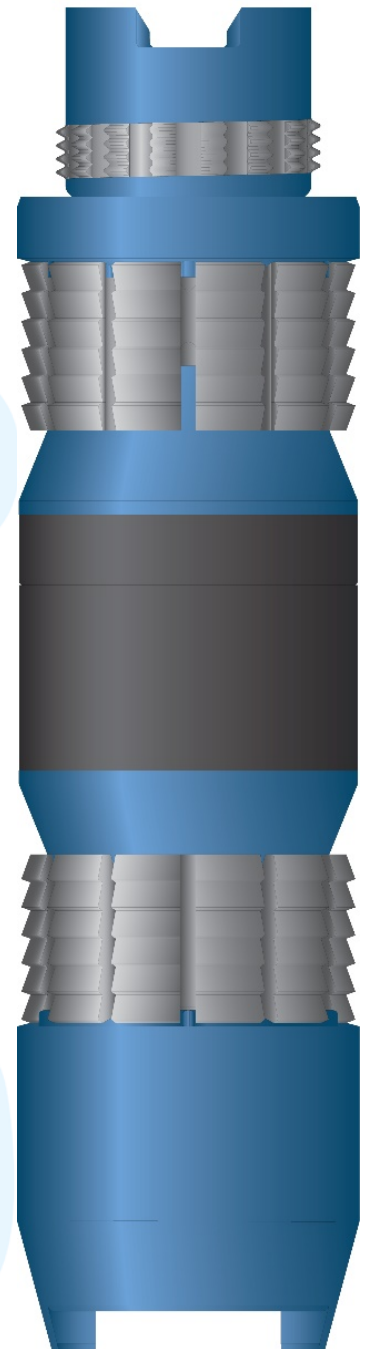
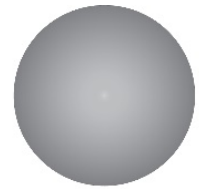


The Trident SC Composite Fracturing Plug, is a quick millable plug designed for plug and perf operations. These plugs are run and set on wireline with the ball on seat or the ball can be pumped down to the plug afterward. After fracturing, the plugs are milled out to the full drift diameter of the wellbore, allowing for maximum production.

This plug is designed with molded phenolic components, with a minimum amount of metal used in the plug.

Features and Benefits

- Smaller OD and shorter length
- 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)
- Cast iron slips designed to aid easier mill outs through milled slots and holes
- Ability to pump down plug with ball in place



Specifications							
Casing		Composite 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
4-1/2 114.3	13.50 - 15.10	3.440	0.750 19.05	1.750 44.45	18.15	10,000 68,948	300
	20.09 - 22.47	87.38			46.10		
	9.50 - 13.50 14.14 - 20.09	3.608 91.64			21.93 55.71		150
5-1/2 139.7	20.00 - 23.00	4.250	1.500 38.10	2.250 57.15	17.00	10,000 68,948	275
	29.76 - 34.23	107.95			43.18		135
	17.00 - 26.00	4.390	20.62	300			
	25.30 - 38.69	111.51	52.37	150			

* For more information on additional sizes, please contact your local Gryphon representative

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



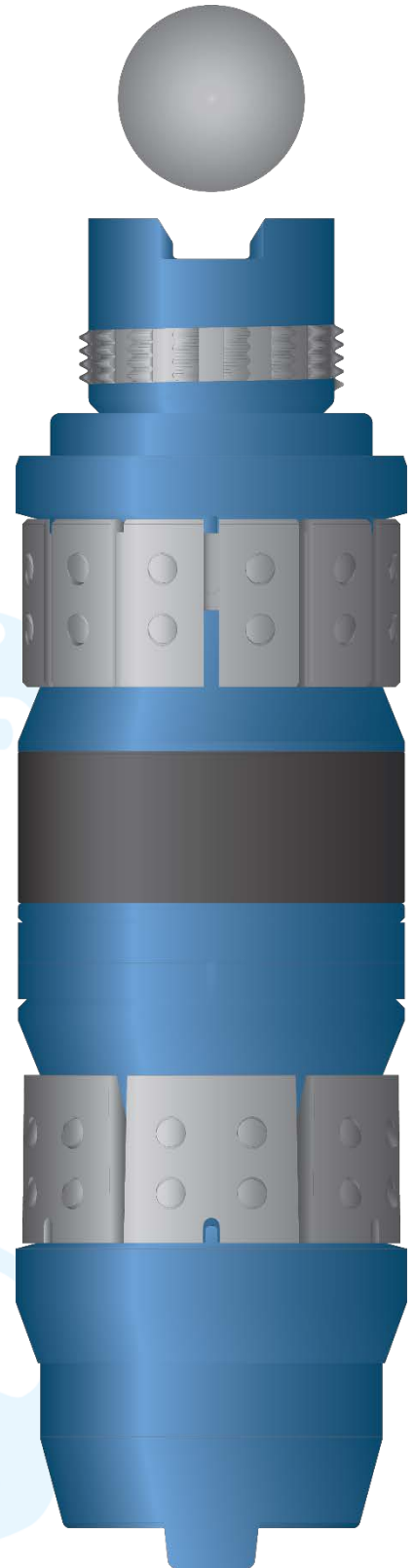
Specifications							
Casing		Fracturing Plug					
Size	Weight	O.D.	I.D.	Ball Size	Length	Pressure Rating	Temperature Rating
in mm	lb/ft kg/m	in mm	in mm	in mm	in cm	psi kPa	°F °C
5-1/2 139.7	20.00 - 23.00	4.250	0.770	2.250 57.15	16.75 42.55	10,000 68,948	300
	25.30 - 38.69	107.95	19.56				150
	17.00 - 26.00	4.390	1.500				275
	25.30 - 38.69	111.51	38.10				135

* For information on additional sizes, please contact your local Gryphon representative

The Gryphon Trident Total Composite Fracturing Plug is used to isolate hydrocarbon formations in multi-stage, plug and perf fracturing operations. Designed with molded phenolic components and low metallic content, the Trident Total frac plug can be quickly and easily milled and circulated back to surface with minimal effort. The plug can be run and set on wireline with a ball on seat or the ball can be pumped down to the seat prior to beginning the frac job. After fracturing, the plugs are milled out to the full drift diameter of the wellbore, allowing for maximum production.

Features and Benefits

- Smaller OD and shorter length
- 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)
- Composite slips designed to aid easier mill outs through milled slots and holes
- Ability to pump down plug with ball in place



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 29.76 - 34.23	4.250 107.95	0.750 19.05	2.250 57.15	16.75 42.55	8,000 55,158	250
6.0 152.4	24.50 36.46	4.850 123.19	0.758 19.25				175
							79

* For more information on additional sizes, please contact your local Gryphon representative