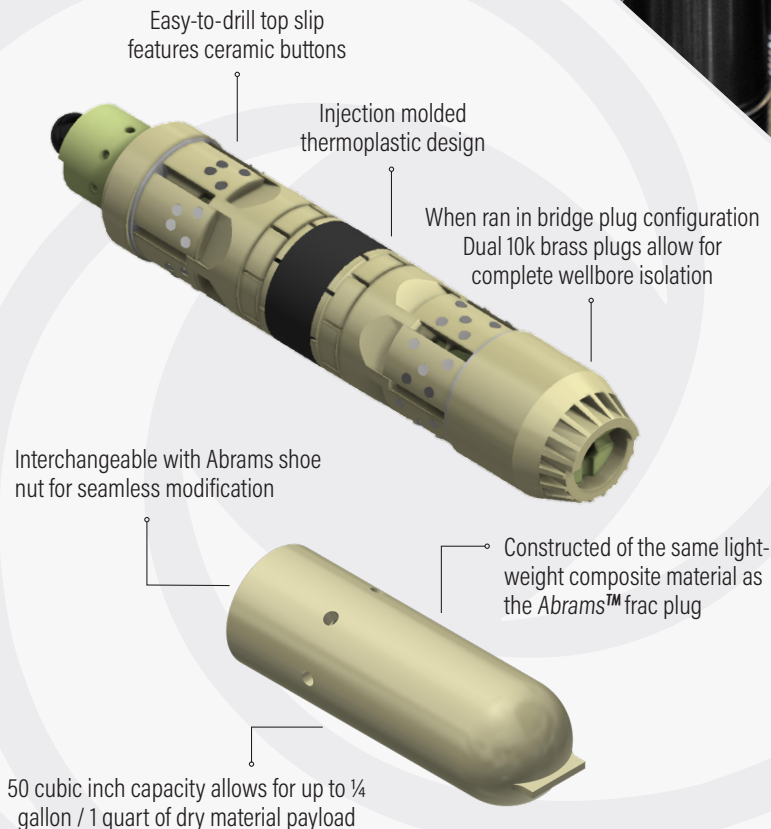


WOS exclusive injection molded, thermoplastic, customizable design Frac and Bridge Plug

Abrams Frac & Bridge Plug

 All plugs are designed in-house by WOS, thus allowing exclusive customization for specialty operations

Abrams™ Payload System



About This Product

As well trajectories and associated lengths continue to increase in complexity, the composite plug market requires a solution that enhances operational efficiencies throughout frac and drill-out operations. With comprehensive backgrounds in both plug manufacturing and operations, WOS has designed a composite plug that keeps both the completion and interventions teams in mind. The Abrams composite frac and bridge plug combines years of industry expertise into a product that is reliable, efficient, and adjustable based on customer needs. The interchangeable bottom shoe nut can be fitted with the Abrams™ Payload System facilitating the ability to convey dry compounds and substances onboard the WOS Abrams™ composite frac plug. During use of the plug, the payload will remain secure onboard until mill out operations are executed. At that time compounds or substances will be deployed and circulated into the cleanout fluid. All plugs are designed in-house by WOS, thus allowing for exclusive customization for specialty operations.

Benefits

- Premature setting eliminated with single component slip design
- Ball on seat option reduces pump time and water usage
- Payload System improves efficiency in compound usage by mixing downhole at the plug
- Low specific gravity allows for material to float back to surface

 Provides smaller, more uniform cuttings while extending the bit life


Abrams Frac & Bridge Plug

Plug Product Details

Plug OD/Type	4.375 Frac	4.375 Bridge
Casing Range	5-1/2 17-23#	5-1/2 17-23#
Pressure Rating	10,000 PSI	10,000 PSI
Temp Rating	200° F	200° F
Ball OD	1.5	n/a
Setting Tool	No. 20 or Shorty	No. 20 or Shorty

Payload System Product Details

Capacity	50 cu. in. / ¼ gallon
OD	4"
Additional Length Added	9.575"

 Payload System allows the ability to deploy single or multiple compounds such as viscous sweeps, friction reducer, pipe on pipe, tracers, dye indicators and more

Features

- Injection molded, thermoplastic design, introduces the next generation of plugs
- Industry's lowest specific gravity plug, as components range from 1.3 to 2.1
- Carefully selected slip button material to allow for better anchoring and reduced risk of slippage
- Payload System allows the ability to deploy single or multiple compounds such as viscous sweeps, friction reducer, pipe on pipe, tracers, dye indicators and more
- Available in bridge plug configuration

Accessories

- Wireline Adapter Kit
- Setting Tool
- Pump Down Rings
- Abrams™ Payload System



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