



COMPLETIONS

TruFrac®

Composite Frac Plug

Achieving high run-in speeds,
efficient milling, and small cuttings
with minimal metal content



Experience the advantages of a fully optimized design.

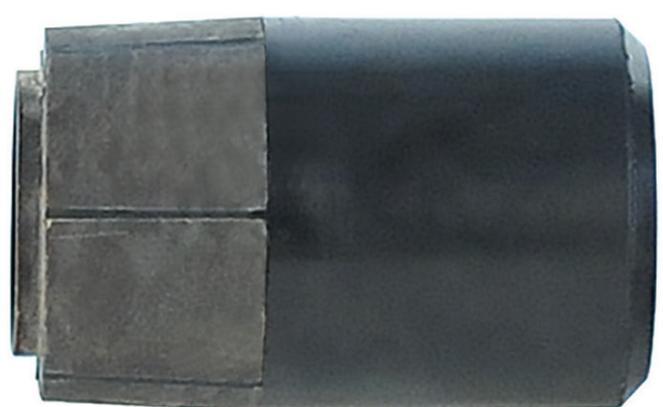
During horizontal pump-down operations, using the right plug is critical. Made with a proprietary blend of 97 percent premium composite, the TruFrac® plug enables higher run-in speeds and more efficient milling, and it provides superior sealing and anchoring.

Weatherford is the only oilfield services company that manufactures its own composite. We own the entire development process, which gives us complete control of quality. The TruFrac plug is the culmination of more than 10 years of experience and expertise in composite technology. We have researched, designed, and optimized each component to introduce a plug that is unparalleled in its strength, efficiency, and ease of use.

LOWER SLIP

The lower slip uses a combination of high-strength composite and small, hardened inserts to deliver a superior anchoring force with the least amount of metal. This avoids the breakage, spinning, and

mill damage that hard and brittle materials such as ceramic can inflict, while enabling effortless milling and reduced cutting size for easy cleaning of wells.



LOWER CONE

The lower cone interfaces with the proprietary slip system and is faceted to eliminate spinning during mill out.

MULE SHOE

The beveled mule shoe acts as a clutch to prevent the composite mandrel from spinning as it is milled. A groove in the mule shoe provides a space for an optional pump-down ring.

TRUFACTS

Reaches run-in speeds of up to

500^{ft}/min

Achieves faster run-in, more efficient milling, and smaller cuttings with a proprietary blend of

97%

premium composite material

Reduces mill-out time by up to

50%

UPPER SLIP AND CONE

Machined from a single piece of proprietary composite, the rigid upper slip and cone, paired with the powdered metal buttons, provide the required anchoring force and easy mill out.



MOLDED ELEMENT SYSTEM

The molded element system provides a superior seal and smooth surface that enables run-in speeds of up to 500 ft/min (152 m/min). The seal is proven reliable at

pressures up to 10,000 psi (68.9 MPa) and temperatures up to 300°F (148°C). The backup system prevents the element from extruding while it holds pressure.



The TruFrac® composite plug is part of our comprehensive portfolio of products and services designed to help you stimulate well production efficiently. For more information, contact us at TruFrac@weatherford.com or visit weatherford.com/trufrac.



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