

FracXion Micro fully composite frac plug

Minimizes metal content for faster milling and minimal debris size



Pressure:

Rated up to 10,000 psi
[69 MPa]



Temperature:

Rated up to 275 degF
[135 degC]

Where it is used

Isolates zones during multistage stimulation operations in horizontal, vertical, and deviated wells.

How it improves wells

- Accelerates milling and reduces debris size for easier removal
- Minimizes risk of presetting
- Minimizes fluid costs and environmental impact when used with pumpdown ring

How it works

The FracXion Micro* fully composite frac plug is set using wireline, coiled tubing, or threaded pipe. Antipreset measures provide an industry-leading design that increases confidence at higher run-in-hole speeds.

A one-way internal check valve is closed with a ball while the zone above the plug is fractured. The plug can be run with the ball in place or the ball can be dropped from surface when the plug is in position. The check valve enables free flow of fluids from below the plug after stimulation.

How it accelerates milling

Based on extensive experience with coiled tubing operations, the FracXion Micro plug is designed for milling out with minimum torque, generating cuttings that are easily circulated out of the well. Special clutch features at the top and bottom of the plug prevent spinning between plugs during millout, reducing millout time.

The plug has hollow metal button slips that are designed to shatter during milling. This feature and the reduced metal content improve millout time and decrease debris size even further.

What it replaces

Conventional frac plugs

What else I should know

- A three-step procedure simplifies assembly in the field
- Proprietary angled antiextrusion backup system provides 360° element support
- Optimized slip material and design minimize hardened material, improving milling times
- Buttons available in sintered and high-strength metal, or ceramic
- Proprietary slip design prevents button chipping and plug slipping
- Integrated shear ring design simplifies assembly onto the adapter kit that connects to standard setting tools



FracXion Micro frac plug improves milling time, resulting in faster production after multistage fracturing.

FracXion Micro Frac Plug Specifications

Casing Size, in [mm]	Casing Weight, lbm/ft [kg/m]	Plug OD, in [mm]	Min. ID, in [mm]	Ball Diameter, in [mm]	Length, in [mm]	Pressure Rating, psi [kPa]	Temp. Rating, degF [degC]
4.50 [114]	11.6–15.1 [17.26–22.47]	3.50 [89]	0.90 [23]	1.25 [32]	13.64 [346]	10,000 [68,948] 8,000 [55,158]	225 [107] 275 [135]
5.00 [127]	18–23.3 [26.79–34.67]	3.80 [97]	0.90 [23]	1.25 [32]	14.80 [376]	10,000 [68,948] 8,000 [55,158]	225 [107] 275 [135]
5.50 [140]	17–23 [25.30–34.23]	4.40 [111]	1.25 [32]	1.50 [38]	16.35 [415]	10,000 [68,948] 8,000 [55,158]	225 [107] 275 [135]