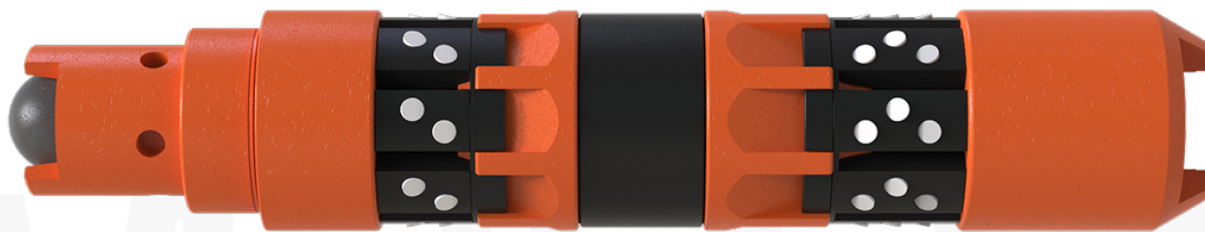


# MULLIGAN

Delivering dependable, cost-effective performance with fast run-ins, easy drill-outs, and superior reliability in demanding re-frac operations.



**Longbow**  
COMPLETION SERVICES



## OVERVIEW

### The Reliable Re-Frac Solution

The Mulligan Frac Plug is Longbow's answer for operators seeking a rugged, reliable, and economical solution for new and re-fracturing completions. Designed with a fully composite body and advanced slip system, it combines strength, efficiency, and precision in one tool. With fast, effortless mill-outs and consistent 10K pressure performance, the Mulligan ensures reduced downtime, lower operational costs, and dependable results across every stage.

## BENEFITS

### Reliable Performance. Simplified Operation.

- Effortless Mill-Outs: Typically completed in 6-8 minutes per plug, with no motor required.
- Integrated Clutch System: Prevents rotation during drill-out, ensuring smoother and faster removal.
- Advanced Slip Design: Segmented slips enhance casing grip and activation precision, preventing slippage.
- Anti-Preset Features: Allow for faster run-in speeds and reliable tool setting.
- Fully Composite Construction: Lightweight yet durable for consistent performance and easy removal.
- Cost-Effective Efficiency: Engineered to reduce operational time and total completion costs.

## APPLICATION

### Where It Performs Best

- Ideal for re-fracturing and multi-stage operations requiring durable, easy-to-remove isolation tools.
- Excels in high-pressure environments up to 10,000 psi where reliability is essential.
- Perfect for operators prioritizing cost-effective completions without compromising performance.
- Designed for efficient deployment and quick turnaround to minimize downtime and maximize productivity.

## TECHNICAL SPECIFICATIONS

Casing Size in.	4
Weight lbs.	11.60
Tool OD in.	3.10
Tool ID in.	0.875
Tool OAL in.	16.60
Max Temperature F	250
Pressure psi	10,000

