



**CDI**  
PRODUCTS®

A Michelin Group Company



CDI PRODUCTS

TUFF BREED

# THE NEW BREED OF PRODUCTS FOR OILFIELD SERVICES

Engineered sealing, wear, and functional components built for the environments where reliability matters most.



[TUFFBREED.COM](https://tuffbreed.com)





# Built for the Toughest Oilfield Service Operations

Tuff Breed® products have earned the trust of operators across pressure pumping and well service operations for years. Today, that legacy continues through an expanded portfolio of products engineered to help operators maximize uptime, improve performance, and reduce maintenance costs across a wider range of oilfield service applications.

From hydraulic fracturing and cementing to coiled tubing, wireline, and intervention operations, Tuff Breed® products are built for the environments where reliability matters most.



HYDRAULIC FRACTURING | CEMENTING | ACID STIMULATION |  
CHEMICAL STIMULATION | WIRELINE & PUMP DOWN |  
COILED TUBING | PLUG & PERF | PACKER SETTING

## **TUFF CONDITIONS DEMAND TUFF SOLUTIONS**

Supported by CDI's engineering expertise, materials science, and global manufacturing network, Tuff Breed® continues to evolve through customer collaboration and innovation focused on longer life, easier installation, and improved operational performance.





# WSP Extreme® Bronze

Economical aramid-based pressure ring designed to deliver dependable performance and reduced operating costs in demanding pumping environments.



# WSP Extreme® Gold

Premium well service packing solution engineered to maximize service life while reducing wear on plungers and packing bores.

# SandDog® Header Ring

Field-proven header ring technology designed to help minimize proppant intrusion and extend packing performance in abrasive environments.



# Standard Header Rings

Reliable sealing solutions designed to support common oilfield service applications with dependable performance, proven availability, and rapid turnaround.

Complete Packing Sets available including header rings, pressure rings, top adapters, lantern rings and wiper rings - to support lubrication distribution, alignment and support, and proper wiper/seal integration.

## INNOVATION THROUGH PARTNERSHIP

The toughest operating environments often reveal the best opportunities for innovation and inspire the next generation of Tuff Breed® products.

## HELP SHAPE WHAT'S NEXT

Tuff Breed® is actively collaborating with operators, service companies, distributors, and OEMs to develop the next generation of oilfield service products focused on:

- Longer service life
- Simplified installation
- Improved reliability
- Reduced maintenance requirements



**Become a Tuff Breed® Development Partner**

**Join our customer collaboration program and help influence the future of Tuff Breed® products.**



## PROVEN PRODUCTS. DESIGNED TO PERFORM

Tuff Breed® delivers engineered sealing, wear, and functional components designed to help operators maximize uptime, improve performance, and keep critical equipment running under pressure. Available in standard hard sets as well as universal soft sets.

## 48-HOUR TURNAROUND

- 48-hour turnaround on common applications
- Common sizes from 3" to 5", including 4" and 4 ½" frac stacks
- Custom sizes available
- Global engineering and manufacturing support



**CONTACT US TO GET MOVING ON YOUR NEXT PROJECT**  
**[WWW.TUFFBREED.COM](http://WWW.TUFFBREED.COM)**

