

VULCAN

High-Performance  
Vulcan Parts



# Transform fleet economics with Vulcan high-performance parts.

Getting maximum value from your fleet means sourcing high-performance parts that will consistently deliver more uptime, fewer hassles and lower operating costs.

## Valves and Seats that Last Up to 40% Longer

There is a difference in valves and seats, and that difference pays. Vulcan valves and seats are forged for superior longevity with single-piece construction, proven to outlast competitors up to 40 percent longer under identical conditions. That means stage after stage running the same components, slashing Non-Productive Time (NPT) and reducing overall repair and maintenance costs.

- Less risk of leakage or abrasive damage via proprietary urethane compound
- More efficient flow and pumping through wing-guided valves with optimized mass and geometry
- Increased abrasion resistance through advanced metallurgy and heat treatment
- Near-universal compatibility: P4 and P5 sizes with standard taper geometry



## CORDEX® Packing that Fights Washout

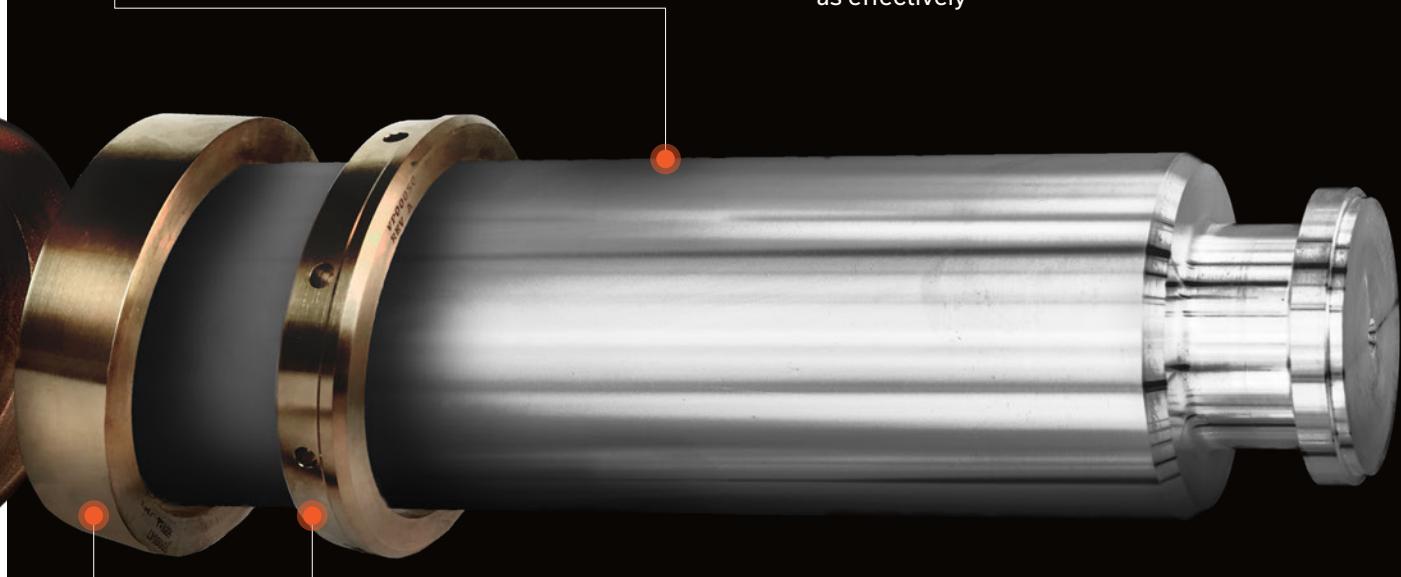
Today's frac operations face unprecedented pumping intensity, putting the hurt on fluid end packing. That's why our engineering and metallurgy specialists worked closely with customers to develop and refine packing that's proven to deliver twice the life of any other pump packing on the market. And these ultra-tough components are available for all of the industry's most commonly used pumps.

- Get double the life of conventional pump packing
- Reduce NPT significantly with fewer washouts and fewer instances of packing replacement in general
- Harden your equipment with packing designed specifically for high-pressure, proppant-rich pumping fluids
- Optimize performance during high-intensity frac

## The Industry's Most Wear-Resistant Plungers

Plunger wear is relentless and the greater the porosity, the faster it happens. But Vulcan plungers resist wear with an advanced coating that minimizes porosity and reduces plunger wear. In fact, the plunger's advanced fusion-bonded coating process means an ultimate porosity of just 0.4 percent, compared to competing plungers which can have porosity greater than 6 percent. This improves not only plunger life but also packing life.

- Tungsten carbide coated for 40 percent greater wear resistance than conventional nickel coated plungers
- Ultra-low porosity coating and low-friction surface finish that fights wear
- Diffusion zone that's 400 percent thicker than competing plungers
- Extend both plunger and packer life for lower fleet R&M spend at scale
- No other plunger on the market fights wear as effectively



## Long Life. Strong Service.

Of course, it's not only Vulcan products that give you more but also our exemplary service. Our team's responsive, value-added support makes both you and your fleet more productive. From customer collaboration and fast-tracking new product development to field testing and trials accompanied by an actual Vulcan Industrial engineer, our customers get a level of care they just won't find with any other provider.

Ready to get more from your parts? Contact your area representative or call 855.688.5226

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