

..... Frac Isolation Packer™

Overview

SWELLFIX swellable elastomers for frac isolation allow the frac slurry to be precisely placed in the correct zone.

Conventional cement isolation results in micro-annuli and thus poor zonal isolation for frac applications.

SWELLFIX swellable elastomers conform to the open or cased hole providing a simple, effective and reliable isolation.

Features and Benefits

- The Frac Isolation Packer™ is optimized for open hole applications
- The rubber reacts to oil/water and swells, ensuring a positive seal across the formation.
- Swells into out-of-gauge sections ensuring a compliant seal.
- Provides significant cost savings
- Manufactured to suit field conditions
- Can be used in many applications
- Strong and durable packer
- Simple - there are no moving parts
- No additional site crew
- Long life span
- No personnel required

Installation Process

The Frac Isolation Packer's™ elastomer is vulcanized directly onto the pipe to create a strong and durable packer. The Frac Isolation Packer is shipped from our manufacturing plant to the well site or customer's warehouse in a ready to run condition. All that is required for installation is that the rig crew remove the protective covering from around the Frac Isolation Packer™, prior to the Packer being made up to the string. No additional assembly, running tools or personnel are required for the Frac Isolation Packer™.



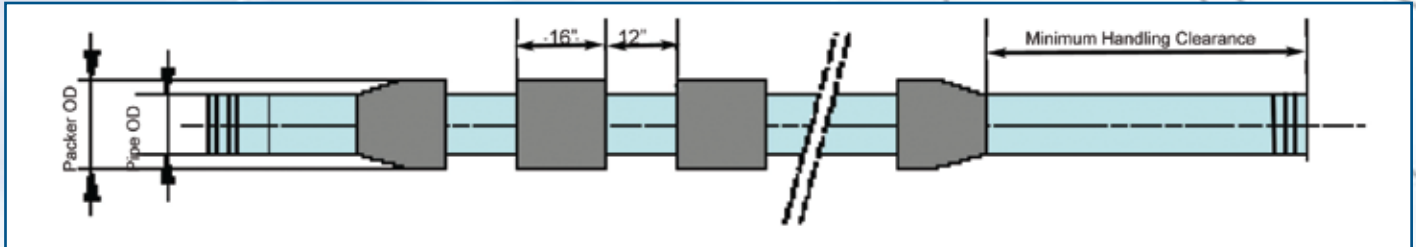
Frac Isolation Packer™ ensures effective isolation between zones for optimum frac performance.



Packers banded design allow the Frac Isolation Packer™ to hold higher pressures in open hole applications

Typical Installation Layout

Frac Isolation Packers™ are a custom design integrated into the casing. Using our own modeling software they are designed to conform to the well size and conditions. This attention to detail ensures the optimal performance of the Frac Isolation Packer™.



Packer Specifications

The packers are custom designed to suit the application and field conditions, to produce an effective and reliable isolation system.

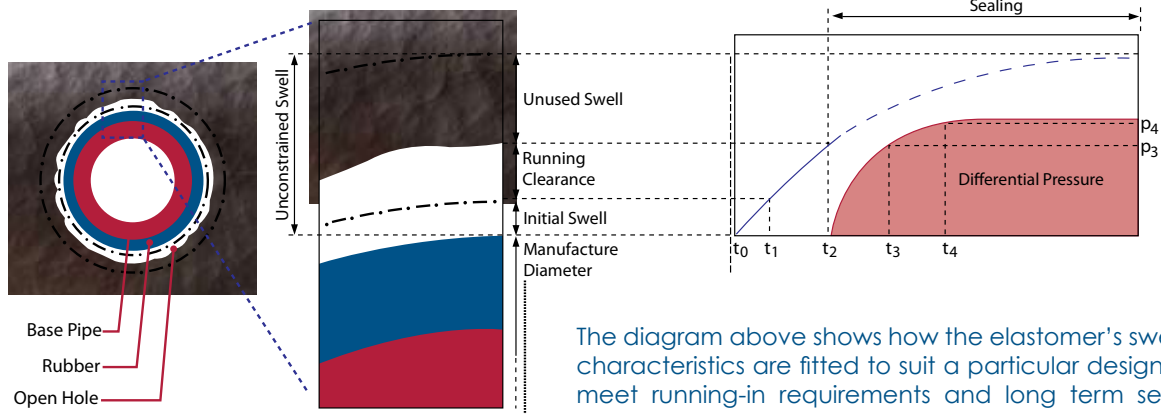
Available in both oil and water swelling elastomers the packers typically range from 2- 3/8" through to 20" OD.

The elastomer is chosen to provide the best swelling and sealing characteristics for the well temperature and other conditions such as salinity and oil composition.

The number of bands can be varied to provide higher pressure ratings were required.



Swell Design Parameters



The diagram above shows how the elastomer's swelling characteristics are fitted to suit a particular design and meet running-in requirements and long term sealing performance.