



Overview

SwellFix™ Packers can help reduce well construction costs, extend well life, and improve well integrity. They are permanent packers that provide the long term stability and reliability required to isolate producing zones. After swelling the element maintains its flexibility and is able to react to subsequent changes in the well bore geometry. SwellFix™ packers are designed for open and cased hole use in a variety of applications to ultimately save rig time.

Tendeka's high performance swellable packer range is available with oil or water swelling elastomers in any combination. This multi-element packer range is designed to operate in temperatures from 32°F to 392°F (0°C to 200°C) and up to a 10,000 psi pressure differential.

Based on Tendeka's proprietary osmotic water swell compound this packer generates more radial seal force than any other swell packer on the market.

Additionally, this is the only water swell compound fully compatible with completion fluids including acids and brines with no shrinkage experienced after exposure to these fluids.

The multi-element design provides extreme flexibility with respect to swell duration and fluid compatibility as it allows water and oil swell elements to be used in combination. Elastomers are applied in one foot bands along the length of the base pipe.

SwellFix™ packers are available from stock in sizes from 2 3/8" up to 13 3/8" but can also be engineered to suit clients exact requirements using our proprietary modeling software. The packers are then shipped from the manufacturing plants 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 prior to the SwellFix™ packer being made up to string.





Specifications

Base Pipe OD	Element OD	Hole Size	Element Length
2.375"	3.500"	4.000"	Available in multiples of 1 ft
2.875"	4.000"	4.750"	Available in multiples of 1 ft
3.500"	5.750"	6.125"	Available in multiples of 1 ft
4.000"	5.625"	6.000"	Available in multiples of 1 ft
4.000"	5.750"	6.125"	Available in multiples of 1 ft
4.500"	5.625"	6.000"	Available in multiples of 1 ft
4.500"	5.750"	6.125"	Available in multiples of 1 ft
4.500"	5.875"	6.250"	Available in multiples of 1 ft
5.500"	8.150"	8.500"	Available in multiples of 1 ft
6.625"	8.150"	8.500"	Available in multiples of 1 ft
7.000"	8.150"	8.500"	Available in multiples of 1 ft
7.000"	9.150"	9.500"	Available in multiples of 1 ft
7.625"	9.150"	9.500"	Available in multiples of 1 ft
9.625"	11.500"	12.250"	Available in multiples of 1 ft
13.375"	16.500"	17.500"	Available in multiples of 1 ft

Applications

SwellFix™ packers are a flexible barrier solution suitable for many applications where a reliable pressure seal is required.

Applications include:

- Annular barrier for Inflow Control Device (ICD)
- Cement replacement
- Cement protection (micro annuli)
- Sealing at side track windows
- Annular barrier for sand screens
- Zonal isolation
- Gravel packing
- Expandables – Screens and tubulars
- Coal Bed Methane (CBM)

Benefits/Features

- Simple to install and use – no moving parts
- Strong and durable
- Self healing – durable construction
- Oil and water activation
- Provides significant cost savings
- Maintains water integrity
- Barrier to annular flow
- Helps to extend well life
- Improve production efficiency
- Reduces risk