

SwellRight Side Pocket Mandrel Plug

Swellable Sealing Plug for Side Pocket Mandrels and Gas Lift Mandrels

Swellable seals designed to replace chevron seal stacks, providing pressure integrity to damaged side pocket mandrel bores.

The Side Pocket Mandrel can be designed to house a gas lift valve which typically measures 1" or 1½" diameter. This allows gas from the annulus to be injected into the flow stream via a port to aid in the lifting of produced hydrocarbons. Tendeka's SwellRight side pocket mandrel plug is designed as a dummy valve to provide isolation to damaged or leaking side pocket mandrels and gas lift valves.

Tendeka's patented elastomer technology is designed to deliver extremely reliable zonal isolation barriers across a range of temperature and salinity profiles. With the in-house capability to custom design a range of sealing solutions, from non-standard diameters to unique fluid parameters, Tendeka will ensure the end result is a perfect fit for well projects.

Tendeka's oil and water swellable elastomers operate within a wide temperature range from 32°F (0°C) to 480°F (250°C), and are rated to 5,000 psi continuous working pressure.

Features

- Oil and Water fluid activation
- 5000psi rated
- 710lbs push out force
- Swellable element can be wrapped on existing mandrels

Benefits

- Cost-effective sealing solution to extend the working life of existing gas lift completions
- Provides maximum reliability even in severely damaged and corroded seal bores to provide long-term well integrity
- Simple deployment reducing rig time and risk
- Retrofits into existing completion with minimum intervention

Technical Specifications

Plug Size	1"	1.5"
Length	As per mandrel/valve dimensions	
Pressure Rating	Up to 5000psi	
Swell Activation	Oil or Water	

