



Fraxis® Annulus Swellable Packer

Weatherford's *Fraxis* series annulus swellable packer (ASP) is designed for the challenges and rigors of high-performance fracture isolation. The *Fraxis* packer's high-strength elastomers and extrusion-control backup systems achieve high-differential pressure ratings in overgauged hole sizes. The *Fraxis* ASP can also accommodate downhole temperature changes experienced while pumping fracturing fluids.

The *Fraxis* packer retains the form and functionality of Weatherford's Genisis® series packers. However, the *Fraxis* packer provides isolation with shorter and slimmer element designs because of the innovative backup system incorporated into the element. The shorter elements aid in deployment efficiency and minimize the risks of sticking caused by buildup of excessive rubber drag or while running through high-dogleg well intervals.

Applications

- Isolation in stimulation and fracture operations
- Gas and water coning management
- Reservoir compartmentalization
- Multilateral junction isolation
- Horizontal or vertical wells

Features, Advantages and Benefits

- The innovative element-backup system enables higher pressure differential than conventional swellable elements.
- The bonded swellable elastomer is activated through natural wellbore fluids, including water, oil, or a combination of both, enabling resealing capability for the life of the well.
- The shorter, slimmer design helps to eliminate the possibility of sticking while providing a high pressure differential, enhancing operational flexibility.





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Specifications

Packer Dimensions*

Hole Size (in./mm)	Mandrel (in./mm)	Element OD (in./mm)
6.000 152.40	4.50 114.30	5.65 143.51
6.125 155.60		5.75 146.05
6.250 158.75		
6.750 171.50		6.40 162.56
8.500 215.90	5.50 139.70	8.15 207.01
8.750 222.20		

*Can be designed to suit client application.

Packer element length (ft/m)		5.00 1.50	10.00 3.00
Maximum pressure differential (psi/MPa)		5,000 34.47	7,500 51.71
Maximum operational temperature (°F/°C)	Hybrid	280 137	
	Water		
	Oil	340 171	
Activation fluid	Water	Brine, seawater	
	Oil	Oil-based mud, invert, diesel	
	Hybrid	Oil or water, emulsions	
Setting time* (days)		Customizable*	
Mandrel specifications		Available in all common API sizes, weights, grades, and threaded connections	

*Fully customizable to client requirements.