



FracGuard® 300 Series Composite Fracture Plugs

Weatherford's *FracGuard* 300 series composite fracture plugs isolate the formation above the plug for fracturing operations in both single- and multiple-zone stimulation applications, while enabling flowback through the body for pressure equalization or production. These plugs are available for 4 1/2- to 9 5/8-in. casing and in either integral-ball or floating top-ball configurations for most sizes. The top-ball design provides a larger flow area for higher return rates, while the integral design keeps the ball in place inside the plug. The flexibility of these tools can save operational time while protecting sensitive formations.

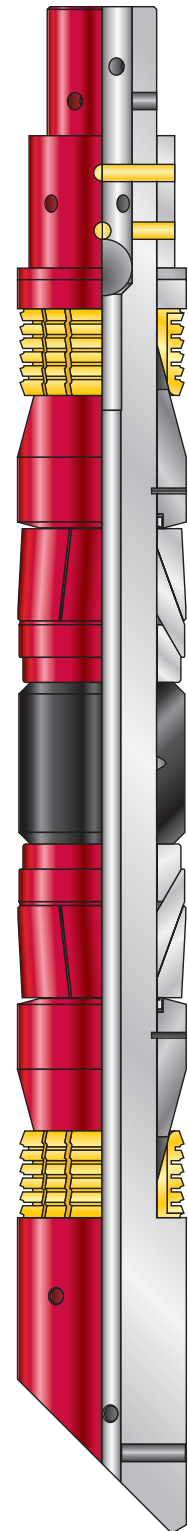
FracGuard 300 series fracture plugs excel in stacked applications, achieving reliable operation and rapid drillout using conventional drilling methods and equipment, including coiled-tubing drilling motors. The plugs also work extremely well in underbalanced applications and in highly deviated, horizontal, or multilateral wellbores.

Applications

- Single- or multiple-zone stimulation
- Vertical, deviated, horizontal, or multilateral wellbores
- Underbalanced, multiple-zone completions
- Temporary plug for fracturing or acidizing operations

Features, Advantages and Benefits

- The *FracGuard* 300 plug is temperature-rated up to 300°F (149°C) and pressure-rated to 12,000 psi (82.7 MPa), enabling the plug to be deployed in multiple environments and applications.
- A check ball permits backflow through the body, enabling equalization or production.
- The beveled bottom prevents the body from spinning, decreasing drillout time.



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Features, Advantages and Benefits (continued)

- Composite construction produces lightweight cuttings when drilled out and enables running of multiple plugs to isolate a series of zones, reducing rig time and the number of operations required to fracture multiple zones in the same well.
- Composite construction and lack of wrought metal parts (such as brass or steel) enables quick drillout with conventional tri-cone or junk-mill bits, resulting in lightweight cuttings that lift easily and minimize plugging of surface equipment.

Specifications

Casing				Fracture Plug				
Size (in./mm)	Weight Range (lb/ft, kg/m)	ID (in./mm)		Maximum OD (in./mm)	Pressure Rating (psi/MPa)	Temperature Rating (°F/°C)	Legacy Product Number/Product Number	
		Minimum ID (in./mm)	Maximum ID (in./mm)				Integral Ball	Top Ball
4-1/2 114.3	9.50 to 13.50 14.14 to 20.09	3.920 99.57	4.090 103.89	3.660 92.96	10,000 68.9	300 149	CBP-45-FRAC10K XOM 177505	CBP-45-FRAC10K 734189
					12,000 82.7		CBP-45-FRAC12K 716253	—
	15.10 to 16.60 22.47 to 24.70	3.754 95.35	3.826 97.18	3.595 91.31	10,000 68.9		CBP-46-FRAC10K-B 1238961	CBP-46-FRAC10KTB 750408
					12,000 82.7		CBP-46-FRAC12K 716254	—
	15.10 to 18.80 22.47 to 27.98	3.640 92.46		3.440 87.38	10,000 68.9		CBP-44-FRAC10K 790634	CBP-44-FRAC10KTB 791374
5-1/2 139.7	15.50 to 23.00 23.07 to 34.23	4.670 118.62	4.950 125.73	4.375 111.12	10,000 68.9		CBP-55-FRAC10K XOM 176914	CBP-55-FRAC10KTB 726822
7 177.8	23.00 to 32.00 34.27 to 47.62	6.094 154.79	6.366 161.69	5.800 147.32	10,000 68.9		CBP-70-FRAC10K 135485	CBP-70-FRAC10K-TB 1115781
7-5/8 193.7	26.40 to 39.00 39.29 to 58.04	6.625 168.28	6.969 177.01	6.200 157.48	8,000* 55.2		CBP-76-FRAC8K 791621	—
9-5/8 244.5	36.00 to 53.50 53.57 to 79.62	8.535 216.79	8.921 226.59	8.250 209.55	8,000* 55.2		CBP-96-FRAC8K 752563	—

*Supported casing may be required with maximum differential pressure.