

# BIG EASY® Composite Cement Retainer & Bridge Plug

## Innovative Design

- Innovative slip retention device eliminates the risk of partial setting and losing slips downhole to provide a more debris tolerant product that eliminates additional trips in the wellbore and costly drill-out operations
- MULTI-Setting Tool and M-WLAKs are field convertible and compatible with the BIG EASY® and IRON-GATE™ Cast Iron Cement Retainer & Bridge Plug for a cost-effective inventory and space management solution
- Large bore tool design provides more efficient pump times by increasing the flow area by over 60%
- Reliable sliding valve design increases seal integrity by reducing the risk of valve erosion
- Enhanced elastomer element design prevents costly and time-consuming remedial operations by increasing pressure capabilities up to 6,000 psi
- Innovative composite material increases efficiency savings by enabling continuous drill out with standard PDC bit designs



*Product provided may have slight variations in appearance from what is shown.*

Use in the following applications:

Deepwater and ultra-deepwater

Shelf

Land

The Frank's International BIG EASY® Composite Cement Retainer uses a revolutionary adaptation of high-grade composite technology designed to eliminate the difficulties commonly associated with composite drillable cement retainers such as premature setting, decreased flow rates, and long drill out times. The BIG EASY® is suited for short-term abandonments and squeeze cementing operations as the enhanced elastomer element is designed to withstand increased pressure testing and high circulation pressures due to restricted cement flow.

## Composite Cement Retainer

Casing Size (IN)	Weight (LBS/FT)	Casing ID Range (IN)	OD (IN)	Setting Tool	Maximum Temperature (°F)	Maximum Pressure (PSI)
7"	17.0 - 29.0	6.184 - 6.538	5.875	#20 WLAK, Hydraulic, or Mechanical Setting Tool	350	7,500
	32.0 - 41.0	5.820 - 6.094	5.505			
7-5/8"	29.7 - 39.0	6.560 - 6.987	6.193	#20 WLAK, Hydraulic, or Mechanical Setting Tool	350	7,500
9-5/8"	Multi	7.875 - 8.968	7.680	#20 WLAK, Hydraulic, or Mechanical Setting Tool	250	6,000
10-3/4"	65.7 - 80.7	9.238 - 9.560	9.005	#20 WLAK, Hydraulic, or Mechanical Setting Tool	250	5,000
	32.7 - 60.7	9.660 - 10.192	9.442			
11-3/4"	65.0 - 83.0	10.343 - 10.682	9.932	#20 WLAK, Hydraulic, or Mechanical Setting Tool	250	4,000
	38.0 - 60.0	10.772 - 11.150	10.44			
13-3/8"	80.7 - 100.2	11.889 - 12.215	11.57	#20 WLAK, Hydraulic, or Mechanical Setting Tool	250	3,000
	48.0 - 77.2	12.275 - 12.715	12.01			

Operational temperature range can be adjusted based on elastomeric material compound

## Composite Bridge Plugs

Casing Size (IN)	Weight (LBS/FT)	Casing ID Range (IN)	OD (IN)	Length (IN)	Setting Tool	Maximum Temperature (°F)	Maximum Pressure (PSI)
2-3/8"	4.700	1.992 - 1.995	1.750	16.380	#5 WLAK / Long Stroke, or Multi-Stage Setting Tool	300/400	10,000
2-7/8"	6.4 - 7.9	2.32 - 2.44	2.440	17.500	#5 WLAK / Long Stroke, or Multi-Stage Setting Tool	300/400	10,000
3-1/2"	12.95	2.750	2.500	17.500	#5 WLAK / Long Stroke, or Multi-Stage Setting Tool	300/400	10,000
	9.3 - 10.2	2.92 - 2.99	2.730				
	7.70	3.070	2.830				
4"	9.5 - 11.0	3.48 - 3.55	3.190	23.880	#10 WLAK / Long Stroke, or Multi-Stage Setting Tool	300/400	10,000
4-1/2"	18.8 - 20.0	3.640	3.380	23.880	#10 WLAK / Long Stroke, or Multi-Stage Setting Tool	300/400	10,000
	15.1 - 17.1	3.75 - 3.83	3.440				
	9.5 - 13.5	3.92 - 4.09	3.570				
5"	23.20	4.040	3.570	23.880	#10 WLAK / Long Stroke, or Multi-Stage Setting Tool	300/400	10,000
	11.5 - 18.0	4.28 - 4.56	3.920				
5-1/2"	23.0 - 26.8	4.50 - 4.67	4.130	23.800	#20 WLAK / Long Stroke, or Multi-Stage Setting Tool	300/400	10,000
	15.5 - 20.0	4.78 - 4.95	4.300				
	14.00	5.010	4.600				
7"	23.0 - 32.0	6.09 - 6.37	5.750	24.000	#20 WLAK / Long Stroke, or Multi-Stage Setting Tool	300/400	10,000
	17.0 - 20.0	6.46 - 6.54	5.950				
7-5/8"	24.0 - 33.7	6.77 - 7.03	6.250	24.000	#20 WLAK / Long Stroke, or Multi-Stage Setting Tool	300/400	10,000

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For more information call 1-800-833-7265