

Well Construction

Downhole Service Tools

BIG EASY® Composite Cement Retainer & Bridge Plug

The Expro 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.

Features and benefits

- 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



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Composite Cement Retainer

Specifications						
Casing size (in.)	Weight (lbs/ft)	Casing I.D. range	O.D. (in.)	Setting tool	Max. temperature (°F)	Max. pressure (psi)
7	17.0 - 29.0	6.184 - 6.538	5.875	#20 WLAK, Hydraulic, or Mechanical Setting Tool	350	7,500
7	32.0 - 41.0	5.820 - 6.094	5.505		350	7,500
7-5/8	29.7 - 39.0	6.560 - 6.987	6.193		350	7,500
9-5/8	Multi	7.875 - 8.968	7.680		250	6,000
10-3/4	65.7 - 80.7	9.238 - 9.560	9.005		250	5,000
10-3/4	32.7 - 60.7	9.660 - 10.192	9.442		250	5,000
11-3/4	65.0 - 83.0	10.343 - 10.682	9.932		250	4,000
11-3/4	38.0 - 60.0	10.772 - 11.150	10.44		250	4,000
13-3/8	80.7 - 100.2	11.889 - 12.215	11.57		250	3,000
13-3/8	48.0 - 77.2	12.275 - 12.715	12.01		250	3,000

Operational temperature range can be adjusted based on elastomeric material compound.

Composite Bridge Plugs

Specifications								
Casing size (in.)	Weight (lbs/ft)	Casing I.D. range	O.D. (in.)	Length (in.)	Setting tool	Max. temperature (°F)	Max. 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		300/400	10,000	
3-1/2	12.95	2.750	2.500	17.500		300/400	10,000	
3-1/2	9.3 - 10.2	2.92 - 2.99	2.730	17.500		300/400	10,000	
3-1/2	7.70	3.070	2.830	17.500		300/400	10,000	
4	9.5 - 11.0	3.48 - 3.55	3.190	23.880		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
4-1/2	15.1 - 17.1	3.75 - 3.83	3.440	23.880			300/400	10,000
4-1/2	9.5 - 13.5	3.92 - 4.09	3.570	23.880			300/400	10,000
5	23.20	4.040	3.570	23.880			300/400	10,000
5	11.5 - 18.0	4.28 - 4.56	3.920	23.880	#20 WLAK / Long Stroke, or Multi-Stage Setting Tool	300/400	10,000	
5-1/2	23.0 - 26.8	4.50 - 4.67	4.130	23.800		300/400	10,000	
5-1/2	15.5 - 20.0	4.78 - 4.95	4.300	23.800		300/400	10,000	
5-1/2	14.00	5.010	4.600	23.800		300/400	10,000	
7	23.0 - 32.0	6.09 - 6.37	5.750	24.000		300/400	10,000	
7	17.0 - 20.0	6.46 - 6.54	5.950	24.000		300/400	10,000	
7-5/8	24.0 - 33.7	6.77 - 7.03	6.250	24.000		300/400	10,000	

Operational temperature range can be adjusted based on elastomeric material compound.