

# 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)
4 1/2	9.5 - 15.1	3.820 - 4.090	3.61	#20 WLAK, Hydraulic, or Mechanical Setting Tool	250	10,000
5	11.5 - 18	4.276 - 4.560	3.93		250	10,000
5 1/2	13 - 23	4.670 - 5.044	4.31		250	10,000
5 3/4	17 - 22.5	4.860 - 5.190	4.50		250	10,000
6 5/8	17 - 34.5	5.580 - 6.130	5.38		250	10,000
7	17 - 35	6.000 - 6.530	5.69		250	10,000
7 3/4	46.1 - 52.5	6.250 - 6.560	6.00		250	10,000
7 5/8	20 - 39	6.620 - 7.250	6.31		250	10,000
8 5/8	24 - 52	7.430 - 8.090	7.12		250	8,000
9 5/8	Multi	7.875 - 8.968	7.68		250	6,000
10 3/4	32.7 - 60.7	8.370 - 9.060	9.44		250	5,000
11 3/4	38 - 60	9.660 - 10.192	10.43		250	4,000
13 3/8	48 - 72	10.772 - 11.150	12.00		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	#10 WLAK / Long Stroke, or Multi-Stage Setting Tool	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		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	#20 WLAK / Long Stroke, or Multi-Stage Setting Tool	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		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	#20 WLAK / Long Stroke, or Multi-Stage Setting Tool	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.