

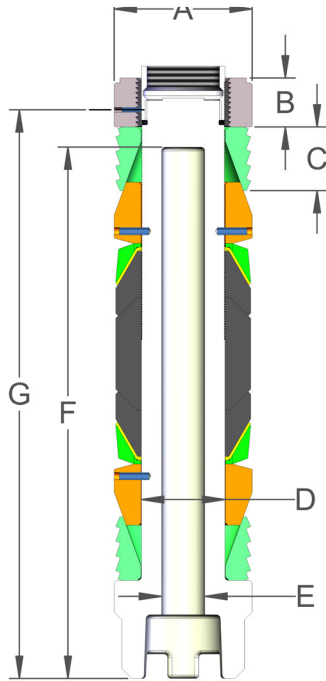


ADVANTAGES:

- Electric wireline set
- Sets in any grade casing - including P-110
- Tested to 10,000 psi at 275° F
- One-piece slips hardened to depth of wicker only
- Small O.D.'s for speed and safety when running
- Rocker action metal back-ups prevent rubber extrusion
- Can be set on any wireline pressure setting tool
- Casing plugs top set with shear ring
- Sets in proper sequence for positive pack-off and secure set
- Drillable cast iron construction
- For temporary or permanent service
- Designed for extra high pressure and rapid drill-out
- Plug stays set until gas pressure equalizes when drilling out

PREMIUM BRIDGE PLUGS					Go Type Setting Tools					Baker Type Setting Tools						
Casing		Bridge Plug Part No.	Plug O.D.	Setting Range		Setting Tool	Setting Force (lbs.)	Setting Sleeve	Setting Nut	Adapter Rod	Setting Tool	Setting Force (lbs.)	Setting Sleeve	Setting Nut	Adapter Rod	Lock Spring
O.D.	Wt. (T&C)			Min	Max											
2.375	3.3-5.9	PLG-1710-00*	1.71	1.867	2.107	1.687" O.D.	13,000	SET-5304-011	Not Required	Not Required	No. 05	7,000	SET-05E4-050	SET-05E4-051	Not Required	
2.875	6.4-7.9	PLG-2100-00*	2.10	2.280	2.441			SET-5304-018								
2.875	6.4-6.5	PLG-2160-00*	2.16	2.280	2.563	2.125" O.D.	13,000	SET-5306-014	Not Required	Not Required	No. 05	7,000	SET-05E4-052	SET-05E4-051	Not Required	
3.5	9.2-12.9	PLG-2500-00*	2.50	2.750	2.992			SET-1687-035								
	5.7-10.2	PLG-2750-00*	2.75	2.867	3.258	2.125" O.D.	13,000	SET-2125-027	Not Required	Not Required	No. 05	7,000	SET-05E4-054	SET-05E4-051	Not Required	
4		5.6-14	PLG-3120-00*	3.12	3.340	3.732	2.125" O.D.	13,000					SET-1687-030			
	4.5	9.5-15.1	PLG-3500-00*	3.5	3.826	4.090	2.125" O.D.	13,000	SET-2125-028	Not Required	Not Required	No. 05	7,000	SET-10E4-055	SET-10E4-056	Not Required
5		11.5-21	PLG-3710-00*	3.71	3.920	4.56	3.625" O.D. 3.500" O.D.	20,000	SET-5303-010					SET-5307-078		
	5.5	13-25	PLG-4240-00*	4.24	4.580	5.047			30,000	SET-5307-081	SET-5307-079	No. 10	30,000		SET-5307-217	SET-5307-079
5.75		22.5-25	PLG-4750-00*	4.75	5.140	5.595	35,000	SET-5307-088		SET-5307-088				No. 10	35,000	
	6	14-26	PLG-5340-00*	5.34	5.595	6.366		3.625" O.D. 3.500" O.D.	55,000		SET-5307-082	SET-5307-080	No. 20			55,000
6.625		17-34	PLG-5610-00*	5.61	5.989	6.655	55,000			SET-5307-084	SET-5307-080			No. 20	55,000	
	6.625	17-35	PLG-6090-00*	6.09	6.625	7.263		3.625" O.D.	30,000	SET-5303-010		Not Required	SET-5307-078			No. 10
6.625		24-49	PLG-6960-00*	6.96	7.511	8.248	30,000			SET-5307-081	SET-5307-079			No. 10	30,000	
	9.625	29.3-53.5	PLG-7710-00*	7.71	8.435	9.063		55,000	SET-5307-082	SET-5307-080		No. 20	55,000			SET-5307-163

ECONO BRIDGE PLUGS					Go Type Setting Tools					Baker Type Setting Tools						
Casing		Bridge Plug Part No.	Plug O.D.	Setting Range		Setting Tool	Setting Force (lbs.)	Setting Sleeve	Setting Nut	Adapter Rod	Setting Tool	Setting Force (lbs.)	Setting Sleeve	Setting Nut	Adapter Rod	Lock Spring
O.D.	Wt. (T&C)			Min	Max											
4.5	9.5-16.6	PLG-3500-003	3.5	3.826	4.09	3.625" O.D.	30,000	SET-5303-010	Not Required	SET-5307-078	No. 10	30,000	SET-5307-165	Not Required	SET-5307-220	SET-5307-201
5.5	13-25	PLG-4240-003	4.24	4.58	5.047			SET-5307-081					SET-5307-079			
5.75	22.5-25	PLG-4750-003	4.75	5.140	5.595	3.625" O.D.	55,000	SET-5307-082	SET-5307-080	No. 20	55,000	SET-5307-163		SET-5307-080	SET-5307-221	SET-5307-202
6.625	17-22	PLG-5610-003	5.61	5.989	6.655			SET-5307-084				SET-5307-080				
7	17-35	PLG-6090-003	6.09	6.625	7.263	3.625" O.D.	30,000	SET-5303-010	Not Required	SET-5307-078	No. 10		30,000	SET-5307-165	Not Required	SET-5307-220
6.625	17-22	PLG-5610-003	5.61	5.989	6.655			SET-5307-081				SET-5307-079				
7	17-35	PLG-6090-003	6.09	6.625	7.263	3.625" O.D.	55,000	SET-5307-082	SET-5307-080	No. 20	55,000		SET-5307-163	SET-5307-080	SET-5307-221	SET-5307-202
6.625	17-22	PLG-5610-003	5.61	5.989	6.655			SET-5307-084				SET-5307-080				



The following is a general guide for the most successful drill-out technique

- A. Bit - New, medium tooth, hard formation
- B. Rotary Speed - 80 rpm normal (120 rpm as required)
- C. Weight on Bit - Apply 5,000 - 7,000# until the top end of the center body of the bridge plug is drilled away (3 - 5 in. for 4-1/2" - 7" plugs and 5 - 7 in. for larger plugs). Additional weight can now be applied across the full bit diameter. The weight increase is 2,000 - 3,000# per inch of bit diameter (i.e. 4-1/2" bit use 9,000 - 13,500# weight).
- D. Drill Collars - 8 minimum for 4-1/2" and 5-1/2" plugs -12 or more for 7" and larger plugs - Spudding the workstring and variations in rotary speed and set-down weight should be used to aid in breaking up large metal parts and preventing bit "tracking".

One or more junk baskets should be used above the bit when normal circulation is employed.

PREMIUM & ECONO BRIDGE PLUGS									
Plug OD	Premium Part No.	Econo Part No.	DIMENSIONAL DATA (inches)						
			A	B	C	D	E	F	G
1.71	PLG-1710-001		1.71	.63	.81	1.09	N/A	N/A	7.88
2.10	PLG-2100-001		2.10	1.06	1.00	1.25	.38	7.36	9.00
2.16	PLG-2160-001		2.16	1.06	1.00	1.25	.38	7.36	9.00
2.50	PLG-2500-001		2.50	1.125	1.06	1.50	.63	10.24	12.13
2.75	PLG-2750-001		2.75	1.06	1.31	1.50	.63	10.24	12.13
3.12	PLG-3120-001		3.12	1.25	1.44	1.87	.75	10.78	13.25
3.50	PLG-3500-001	PLG-3500-003	3.50	1.25	1.63	2.12	1.10	13.56	14.81
3.71	PLG-3710-001		3.71	1.25	1.63	2.12	1.10	13.56	14.81
4.24	PLG-4240-001	PLG-4240-003	4.24	1.38	1.63	2.75	1.10	13.56	14.81
4.75	PLG-4750-001		4.75	1.38	1.94	3.00	1.34	14.95	16.03
5.34	PLG-5340-001		5.34	1.63	2.13	3.68	2.38	17.25	19.00
5.61	PLG-5610-001	PLG-5610-003	5.61	1.63	2.19	3.68	2.38	17.25	19.00
6.09	PLG-6090-001		6.09	1.63	2.38	4.12	2.00	19.07	20.75
6.96	PLG-6960-001		6.96	1.63	2.75	4.62	2.50	21.40	22.88
7.71	PLG-7710-001		7.71	1.75	2.88	5.12	3.25	21.81	24.03

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