



APPLICATION / OPERATION

- Electric wireline set
- Sets in any grade casing - including P-110
- Rated to 10,000 P.S.I at 350° 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

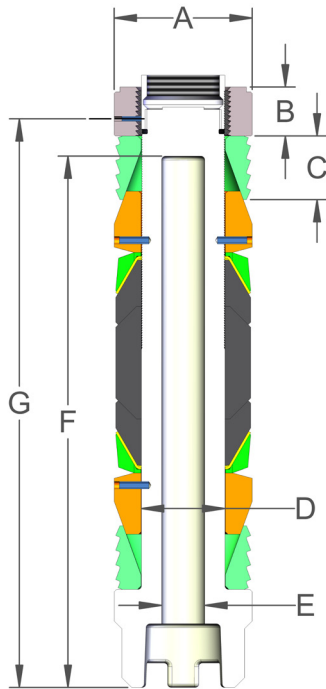
SPECIFICATIONS

ECONO BRIDGE PLUGS • 7,500 PSI					OWEN SETTING ADAPTERS				BAKER SETTING ADAPTERS					
Casing O.D.	Wt. (T&C)	Bridge Plug Part No.	Plug O.D.	Setting Range Min./Max.	Setting Force (lbs.)	Setting Sleeve	Setting Nut	Adapter Rod	Setting Tool	Setting Sleeve	Setting Nut	Adapter Rod	Lock Spring	Setting Tool
4.5	9.5-16.6	PLG-3500-003	3.50	3.826	4.090			SET-5307-078		SET-5307-165	Not Required	SET-5307-220		
5.5	13-25	PLG-4240-003	4.24	4.580	5.047	SET-5303-010	Not Required	SET-5307-079	3.625" O.D.	SET-5307-217	SET-5307-079	SET-5307-222	SET-5307-201	No. 10
5.75	22.5-25					SET-5307-081	SET-5307-079			SET-5307-163		SET-5307-201	No. 10	
6.625	17-22	PLG-5610-003	5.61	5.989	6.655	SET-5307-082	SET-5307-080	SET-5303-093		SET-5307-167	SET-5307-080	SET-5307-221	SET-5307-202	No. 20
7	17-35													

PREMIUM BRIDGE PLUGS • 10,000 PSI													
Casing O.D.	Wt. (T&C)	Bridge Plug Part No.	Plug O.D.	Setting Range Min./Max.	Setting Force (lbs.)	Setting Sleeve	Setting Nut	Adapter Rod	Setting Tool	Setting Sleeve	Setting Nut	Adapter Rod	Setting Tool
2.375	3.3-5.9	PLG-1710-001	1.71	1.867	2.107					SET-05E4-050			
2.875	6.4-7.9	PLG-2100-001	2.10	2.280	2.441				1.687" O.D.	SET-05E4-052			
2.875	6.4-6.5	PLG-2160-001	2.16	2.280	2.563							SET-05E4-051 *No. 05	*No. 05
3.5	9.2-12.9	PLG-2500-001	2.50	2.750	2.992				1.687" O.D. / 2.125" O.D.	SET-05E4-054 *No. 05			
3.5	5.7-10.2	PLG-2750-001	2.75	2.867	3.258					SET-05E4-053 *No. 05			
4	5.6-14	PLG-3120-001	3.12	3.340	3.732				2.125" O.D.	SET-10E4-055 No. 10			
4.5	9.5-15.1	PLG-3500-001	3.50	3.826	4.090								
4.5	9.5-13.5	PLG-3710-001	3.71	3.920	4.560								
5.5	13-25	PLG-4240-001	4.24	4.580	5.047								
5.75	22.5-25												
6	14-26	PLG-4750-001	4.75	5.140	5.595								
6.625	34												
6	10.5-12	PLG-5340-001	5.34	5.595	6.366								
6.625	17-34												
7	23-40	PLG-5610-001	5.61	5.989	6.655								
6.625	17-22												
7	17-35												
7.625	20-39	PLG-6090-001	6.09	6.625	7.263								
8.625	24-49	PLG-6960-001	6.96	7.511	8.248								
9.625	29.3-53.5	PLG-7710-001	7.71	8.435	9.063								

Note: The shear stud needs to be a PLG-1710-035 for Baker *No. 05 setting tool.

SUGGESTED ROTARY DRILLING TECHNIQUE FOR OWEN BRIDGE PLUGS



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.

DIMENSIONAL DATA (INCHES)

PREMIUM & ECONO BRIDGE PLUGS			DIMENSIONAL DATA (inches)						
Plug OD	Premium Part No.	Econo Part No.	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