

WR BRIDGE PLUG

PRODUCT 10-049

INTRODUCTION

The **TechWest WR Bridge Plug** is a non-rotational, versatile and reliable bridge plug that combines the advantages of wireline setting with easy and reliable retrievability. It is commonly used for (multi) zone or well isolation during fracturing, acidizing, cement squeezing, testing or well head repair operations.

The WR's double acting slips securely anchor the Bridge Plug against pressure differentials from above or below. The customizable three element pack off design ensures reliable sealing at high pressures and temperatures.

The unique equalizing valve design allows any pressure differential to be equalized before the Retrieving Head is latched onto the plug. This feature is especially advantageous when retrieving the WR on endless tubing.

FEATURES

- Field proven and reliable design
- Differential pressure rating of 10,000 psi above and 8,000 psi from below (for most sizes)
- Straight-on set and straight-pull to release

OPERATION

The WR Bridge Plug may set on Wireline, or hydraulically using TechWest B105, B110, B120 or B20 setting tool. The WR Bridge plug uses an equivalent connection to the Baker E4 setting tools.

The WR Bridge Plug is retrieved using a WR or CW retrieving tool (Product No 10-081 and 10-281).



SPECIFICATIONS

10-049 SPECIFICATION GUIDE											
Casing Size	Casing Weight		Casing Range				Bridge Plug				
			Min ID		Max ID		Product Number	Gage ring OD		Retrieving Tool	Baker E-4 Size
in/mm	lb/ft	kg/m	in	mm	in	mm		in	mm		
2 3/8	4.6	6.84	1.931	50.7	2.046	51.9	10-049-0200	1.900	48.3	10-081-0200	# 5
2 7/8	6.4	9.52	2.373	62.0	2.494	63.3	10-049-0250	2.320	58.9	10-081-0250	
3 1/2 88.9	9.3	13.8	2.992	76.0	3.112	79.0	10-049-0350	2.850	72.4	10-081-0350	
	12.7	18.9	2.625	66.7	2.750	69.9	10-049-0340	2.600	66.0		
	12.75	19	2.750	69.9	2.750	69.9	10-049-0360	2.500	63.5		
4	9.5-11.6	14.1-17.3	3.548	90.1	3.428	87.1	10-049-0400	3.303	83.9	10-081-0400	#10
4 1/2 114.3	17	25.3	3.571	90.7	3.696	93.9	10-049-0430	3.563	90.5	10-081-0430	
	15.1	22.5	3.701	94.0	3.826	97.9	10-049-0440	3.695	93.8	10-081-0440	
	9.5-13.5	14.1-20.1	3.920	99.6	4.090	103.9	10-049-0450	3.800	96.5	10-081-0450	
5 127.0	20.8	30.9	4.031	102.4	4.156	105.6	10-049-0490	4.000	101.6		
	21.4	31.8	4.001	101.6	4.126	104.8	10-049-0505	3.975	101.0		
	15.0-18.0	22.3-26.8	4.276	108.6	4.408	112.0	10-049-0500	4.125	104.8		
5 1/2 139.7	26	38.69	4.375	111.1	4.500	114.3	10-049-0510	4.250	108.0	10-081-0550	
	20.0-23.0	29.8-34.2	4.670	118.6	4.778	121.4	10-049-0550	4.500	114.3		
	15.5-20.0	23.1-29.8	4.778	121.4	4.950	125.7	10-049-0560	4.641	117.9		
	13.0-15.5	19.3-23.1	4.950	125.7	5.044	128.1	10-049-0570	4.728	120.1		
5 3/4 146.1	19.9	29.7	4.961	126.0	5.079	129.0	10-049-0600	4.728	120.1	10-081-0750	
	16.1	24	5.079	129.0	5.197	132.0	10-049-0610	4.823	122.5		
6 5/8	28.0-32.0	41.7-47.6	5.820	147.8	5.791	147.1	10-049-0650	5.570	141.5	10-081-0700	
7 177.8	38.0-41.0	56.5-61.0	5.820	147.2	5.920	150.4	10-049-0660	5.658	143.7		
	32.0-35.0	47.6-52.1	6.004	152.5	6.094	154.8	10-049-0670	5.812	147.6		
	26.0-29.0	38.7-43.2	6.184	157.1	6.276	159.4	10-049-0700	5.875	149.2		
	20.0-26.0	29.8-38.7	6.276	159.4	6.456	164.0	10-049-0710	6.023	153.0		
	17.0-20.0	25.3-29.8	6.456	164.0	6.538	166.1	10-049-0720	6.230	158.2		
7 5/8 193.7	33.7-39.0	50.1-58.0	6.625	168.3	6.756	171.6	10-049-0750	6.375	161.9	10-081-0750	
	24.0-29.7	35.7-44.2	6.875	174.6	7.025	178.4	10-049-0760	6.625	168.3		
8 5/8 219.1	59	87.8	7.921	201.2	7.921	201.2	10-049-0840	7.060	179.3	10-081-0850	
	44.0-49.0	65.5-72.9	7.511	190.8	7.625	193.7	10-049-0850	7.312	185.7		
	32.0-40.4	47.6-59.5	7.725	196.2	7.921	201.2	10-049-0860	7.531	191.3		
	20.0-28.0	29.8-41.7	8.017	203.6	8.191	205.7	10-049-0870	7.781	197.6		
9 5/8 244.5	47.0-53.5	69.9-79.6	8.535	216.8	8.681	220.5	10-049-0950	8.285	210.4	10-081-0950	
	32.3-43.5	48.1-64.7	8.755	222.4	9.001	228.6	10-049-0960	8.500	215.9		
10 3/4 273.1	45.5-51.0	67.7-75.9	9.850	250.2	9.950	252.7	10-049-1076	9.630	244.6	10-081-0950	
	32.75-40.5	48.7-60.3	10.05	255.3	10.19	258.9	10-049-1075	9.834	249.8		
11 3/4	38.0-60.0	56.5-89.3	10.77	273.0	11.15	283.2	10-049-1175	10.50	266.7	10-081-1350	
13 3/8	48.0-72.0	71.4-107	12.34	313.6	12.71	323.0	10-049-1350	12.12	308.0		