

Bridgeport Prefabricated Fireproof Columns (Square Type SO and Round Type OO)																										
OD of Pipe		Wall Thickness	Weight per Ft.	Concrete Filled Steel Pipe ALLOWABLE SAFE LOAD IN KIPS*											UL RATED FIREPROOFED COLUMNS											
				Effective Length in Feet - KL with Respect to Radius of Gyration											SQUARE SHELL (SO)				ROUND SHELL (OO)							
				6	8	10	12	14	16	18	20	22	24	26	X106 - 2 Hour		X104 - 3 Hour		X101 - 4 Hour		X106 - 2 Hour		X104 - 3 Hour		X101 - 4 Hour	
Shell Size	Wt. †	Shell Size	Wt. †	Shell Size	Wt. †	Shell Size	Wt. †	Shell Size	Wt. †	Shell Size	Wt. †	Shell Size	Wt. †	Shell Size	Wt. †	Shell Size	Wt. †	Shell Size	Wt. †	Shell Size	Wt. †					
3 1/2"	HW	0.216	15	45	40	32																				
	XHW	0.300	17	58	49	39																				
	XXHW	0.600	23	94	79	60																				
4"	HW	0.226	20	58	53	45	36																			
	XHW	0.318	22	75	66	56	46																			
4 1/2"	HW	0.237	24	73	66	59	51	41																		
	XHW	0.337	27	93	86	76	65	52																		
	XXHW	0.674	36	155	139	122	102																			
5 1/2"	HW	0.258	36	106	99	92	85	75	66	54																
	XHW	0.375	39	139	130	120	110	98	84	69																
	XXHW	0.750	52	230	215	198	178	156	132																	
6 5/8"	HW	0.280	49	144	139	132	123	114	104	93	81	68														
	XHW	0.432	56	197	188	178	166	153	140	125	109															
	XXHW	0.864	73	327	312	293	272	249	225	198	169															
8 5/8"	HW	0.322	81	232	225	218	210	201	190	179	167	154	141	127												
	XHW	0.500	91	314	305	295	283	270	257	242	226	209	191	171												
	XXHW	0.875	111	475	460	444	425	404	383	359	334	307	278	248												
10 3/4"	HW	0.365	123	342	336	328	320	311	300	289	277	264	251	237	13 x 13	41	14 x 14	50	15 x 15	60	14	52	14	52	16	71
	XHW	0.500	133	423	415	406	394	383	370	356	342	326	309	291												
12 3/4"	HW	0.375	169	442	437	429	421	412	402	391	380	368	355	341	15 x 15	49	16 x 16	60	17 x 17	71	16	61	16	61	18	81
	XHW	0.500	178	534	526	517	507	496	484	470	457	442	426	409												

* Load Tables Based on Fy=46ksi

† Weight shown in pounds per foot for shell and fireproofing only.

Black Rock Column, Inc.