

Bridgeport Prefabricated Fireproof Columns (Rectangular Type RR)																		
Concrete Filled Steel Tubing ALLOWABLE SAFE LOAD IN KIPS**													UL RATED FIREPROOFED COLUMNS					
OD of Tubing	Wall Thickness	Weight per Ft.	Effective Length in Feet - KL with Respect to Radius of Gyration										X106 - 2 Hour		X104 - 3 Hour		X101 - 4 Hour	
			6	8	10	12	14	16	18	20	22	24	Shell Size	Wt. †	Shell Size	Wt. †	Shell Size	Wt. †
4 x 2	1/4	14	43	27									6½ x 4½	13	7½ x 5½	17	8½ x 6½	23
4 x 3	1/4	19	73	60	45								7 x 5	14	7 x 6	16	9 x 8	27
5 x 3	1/4	23	89	74	57								7 x 5	13	8 x 6	18	9 x 7	23
6 x 3	1/4	27	102	87	67	46							8 x 5	14	9 x 6	20	10 x 7	25
6 x 4	1/4	35	130	119	106	89	73						8 x 6	15	9 x 7	21	10 x 8	27
	3/8	39	176	158	140	117	92											
7 x 5	1/4	48	173	163	151	137	123	105	86	67			9 x 7	18	10 x 8	24	11 x 9	31
	3/8	54	232	218	201	182	160	137	111									
	1/2	58	289	270	248	223	196	165	131									
8 x 4	1/4	45	163	147	131	112	89	66					10 x 6	17	11 x 7	24	12 x 8	33
	3/8	51	219	199	176	148	118											
	1/2	57	274	247	215	181	142											
8 x 6	1/4	64	217	208	196	184	170	155	138	120	100	80	10 x 8	20	11 x 9	27	12 x 10	37
	3/8	70	291	278	262	245	226	204	181	157	130							
	1/2	77	361	345	325	303	277	250	221	191	156							
10 x 6	1/4	78	255	244	232	217	202	183	164	144	121	97	12 x 8	24	13 x 9	32	14 x 10	40
	3/8	86	341	326	309	289	277	243	217	189	159							
	1/2	93	424	405	381	356	328	298	264	230	191							

** Load Tables Based on Fy=46ksi

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

Black Rock Column, Inc.

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