

Bridgeport Prefabricated Fireproof Columns (Square Type SS)																				
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	26	28	Shell Size	Wt. †	Shell Size	Wt. †	Shell Size	Wt. †
3x3	1/4	15	62	53	40										6x6	15	7x7	20	8x8	26
3½ x 3½	1/4	20	77	68	55	42									6x6	14	7x7	19	8x8	25
4x4	1/4	25	98	89	78	65	51	40							6x6	13	7x7	18	8x8	24
	3/8	28	132	119	102	85	64													
5x5	1/4	36	137	128	118	107	94	80	64					7x7	15	8x8	21	9x9	27	
	3/8	40	185	172	158	141	124	103	82											
	1/2	44	229	212	194	173	150	124												
6x6	1/4	49	178	169	160	150	138	125	110	95	79			8x8	17	9x9	24	10x10	31	
	3/8	55	241	228	215	200	183	165	145	124	101									
	1/2	60	299	283	267	248	226	204	177	151										
7x7	1/4	65	221	213	204	194	183	171	158	143	128	111	94	9x9	20	10x10	27	11x11	37	
	3/8	72	297	285	273	259	243	227	208	189	168	146	123							
	1/2	78	369	354	337	320	301	279	255	230	204	176								
8x8	1/4	82	266	259	251	240	231	218	206	193	178	163	146	128	10x10	23	11x11	32	12x12	40
	3/8	90	357	346	334	321	306	291	272	254	236	215	192	168						
	1/2	98	440	427	412	395	377	355	334	311	286	259	231	201						
10x10	1/4	122	364	357	349	340	330	320	308	296	282	267	252	236	12x12	29	13x13	38	14x14	48
	3/8	132	482	471	460	448	435	419	404	388	369	350	331	308						
	1/2	142	592	579	566	550	533	515	495	474	453	428	403	375						

** 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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