X790

Structural Steel Square Tube Columns

CAFCO® FENDOLITE® M-II, TG & ISOLATEK® Type M-II, TG

ASTM Desig.	Wall Thk	A/P	Metric Desig.	M/D	Hp/A	1-Hour	1-1/2 Hour	2-Hour	3-Hour	4-Hour
30 x 30	5/8	0.61	762 x 762 x 15.9	121.2	0.7	5/16	7/16	11/16	1-1/8	1-9/16
28 x 28	5/8	0.61	711 x 711 x 15.9	120.9	65.4	5/16	7/16	11/16	1-1/8	1-9/16
26 x 26	5/8	0.61	660 x 660 x 15.9	120.5	65.6	5/16	7/16	11/16	1-1/8	1-9/16
24 x 24	5/8	0.61	610 x 610 x 15.9	120.1	65.8	5/16	7/16	11/16	1-1/8	1-9/16
	1/2	0.49	x 12.7	96.9	81.6	5/16	7/16	11/16	1-1/8	1-9/16
	3/8	0.37	x 9.5	73.4	107.7	7/16	3/4	1	1-9/16	2-1/8
22 x 22	5/8	0.61	559 x 559 x 15.9	119.6	66.1	5/16	7/16	11/16	1-1/8	1-9/16
	1/2	0.49	x 12.7	96.6	81.8	5/16	7/16	11/16	1-1/8	1-9/16
	3/8	0.37	x 9.5	73.2	108.0	7/16	3/4	1	1-9/16	2-1/8
20 x 20	5/8	0.61	508 x 508 x 15.9	119	66.4	5/16	7/16	11/16	1-1/8	1-9/16
	1/2	0.49	x 12.7	96.3	82.1	5/16	7/16	11/16	1-1/8	1-9/16
	3/8	0.37	x 9.5	73	108.3	7/16	3/4	1	1-9/16	2-1/8
18 x 18	5/8	0.60	457 x 457x 15.9	118.3	66.8	5/16	7/16	11/16	1-1/8	1-9/16
	1/2	0.49	x 12.7	95.8	82.5	5/16	7/16	11/16	1-1/8	1-9/16
	3/8	0.37	x 9.5	72.7	108.7	7/16	3/4	1	1-9/16	2-1/8
16 x 16	5/8	0.60	406 x 406 x 15.9	117.4	67.3	5/16	7/16	11/16	1-1/8	1-9/16
	1/2	0.48	x 12.7	95.2	83.0	3/8	9/16	7/8	1-3/8	1-13/16
	3/8	0.37	x 9.5	72.4	109.2	7/16	3/4	1	1-9/16	2-1/8
	5/16	0.31	x 7.9	60.7	130.2	1/2	13/16	1-1/8	1-3/4	2-5/16
14 x 14	5/8	0.60	356 x 356 x 15.9	116.3	68.0	5/16	7/16	11/16	1-1/8	1-9/16
	1/2	0.48	x 12.7	94.5	83.7	3/8	9/16	7/8	1-3/8	1-13/16
	3/8	0.36	x 9.5	72	109.8	7/16	3/4	1	1-9/16	2-1/8
	5/16	0.31	x 7.9	60.4	130.9	1/2	13/16	1-1/8	1-3/4	2-5/16
12 x 12	5/8	0.59	305 x 305 x 15.9	114.7	68.9	5/16	7/16	11/16	1-1/8	1-9/16
	1/2	0.48	x 12.7	93	85.0	3/8	9/16	7/8	1-3/8	1-13/16
	3/8	0.36	x 9.5	71.4	110.7	7/16	3/4	1	1-9/16	2-1/8
	5/16	0.30	x 7.9	60.1	131.5	1/2	13/16	1-1/8	1-3/4	2-5/16
	1/4	0.24	x 6.4	48.8	162.0	11/16	1	1-3/8	2	2-11/16
10 x 10	5/8	0.59	254 x 254 x 15.9	112.6	70.2	5/16	7/16	11/16	1-1/8	1-9/16
	1/2	0.48	x 12.7	92.1	85.8	3/8	9/16	7/8	1-3/8	1-13/16
	3/8	0.36	x 9.5	70	112.9	7/16	3/4	1	1-9/16	2-1/8
	5/16	0.30	x 7.9	59.5	132.9	1/2	13/16	1-1/8	1-3/4	2-5/16
	1/4	0.24	x 6.4	48.1	164.3	11/16	1	1-3/8	2	2-11/16
	3/16	0.18	x 4.8	36.5	216.6	3/4	1-1/16	1-7/16	2-1/16	2-11/16
8 x 8	5/8	0.58	203 x 203 x 15.9	108	73.2	5/16	7/16	11/16	1-1/8	1-9/16
	1/2	0.47	x 12.7	89	88.8	3/8	9/16	7/8	1-3/8	1-13/16
	3/8	0.36	x 9.5	69.5	113.7	7/16	3/4	1	1-9/16	2-1/8
	5/16	0.30	x 7.9	58.7	134.7	1/2	13/16	1-1/8	1-3/4	2-5/16
	1/4	0.24	x 6.4	47	168.2	11/16	1	1-3/8	2	2-11/16
	3/16	0.18	x 4.8	36.2	218.4	3/4	1-1/16	1-7/16	2-1/16	2-11/16
7 x 7	1/2	0.46	178 x 178 x 12.7	88.6	89.2	3/8	9/16	7/8	1-3/8	1-7/8
	3/8	0.35	x 9.5	68.7	115.1	7/16	3/4	1	1-9/16	2-1/8
	5/16	0.30	x 7.9	58.1	136.1	1/2	13/16	1-1/8	1-3/4	2-5/16
	1/4	0.24	x 6.4	47.2	167.5	11/16	1	1-3/8	2	2-11/16
	3/16	0.18	x 4.8	36	219.6	3/4	1-1/16	1-7/16	2-1/16	2-11/16

Note: A/P Ratio based on Design Formul

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6 x 6	1/2	0.46	152 x 152 x 12.7	86.6	91.3	3/8	9/16	7/8	1-3/8	1-7/8
	3/8	0.35	x 9.5	67.6	116.9	7/16	3/4	1	1-9/16	2-1/8
	5/16	0.30	x 7.9	57.4	137.7	1/2	13/16	1-1/8	1-3/4	2-5/16
	1/4	0.24	x 6.4	46	171.8	11/16	1	1-3/8	2	2-11/16
	3/16	0.18	x 4.8	35.7	221.4	3/4	1-1/16	1-7/16	2-1/16	2-11/16
5 x 5	1/2	0.45	127 x 127 x 12.7	83.9	94.2	3/8	9/16	7/8	1-3/8	1-7/8
	3/8	0.35	x 9.5	66	119.8	7/16	3/4	1	1-9/16	2-1/8
	5/16	0.29	x 7.9	56.3	140.4	1/2	13/16	1-1/8	1-3/4	2-5/16
	1/4	0.24	x 6.4	46.1	171.5	11/16	1	1-3/8	2	2-11/16
	3/16	0.18	x 4.8	35.3	223.9	3/4	1-1/16	1-7/16	2-1/16	2-11/16
4 x 4	1/2	0.44	102 x 102 x 12.7	79.8	99.1	3/8	9/16	7/8	1-3/8	1-7/8
	3/8	0.34	x 9.5	63.7	124.1	7/16	3/4	1	1-9/16	2-1/8
	5/16	0.29	x 7.9	54.7	144.5	1/2	13/16	1-1/8	1-3/4	2-5/16
	1/4	0.23	x 6.4	45	175.7	11/16	1-1/16	1-3/8	2-1/16	2-11/16
	3/16	0.18	x 4.8	35	225.9	3/4	1-1/16	1-7/16	2-1/16	2-11/16

Note: A/P Ratio based on Design Formul