

**X829 - WT Members**  
**Wide Flange Structural Steel Columns**  
**CAFCO BLAZE-SHIELD II, HP**

ASTM Desig.	W/D	Metric Desig.	M/D	Hp/A	1-Hour	1-1/2 Hour	2-Hour	3-Hour	4-Hour
WT22 x 167.5	2.22	WT560 x 249	131.0	59.5	3/8	9/16	3/4	1-1/16	1-7/16
145	1.95	216	115.1	67.7	7/16	5/8	13/16	1-3/16	1-9/16
131	1.76	195	103.8	75.0	7/16	5/8	7/8	1-1/4	1-11/16
115	1.56	171	92.0	84.6	7/16	11/16	15/16	1-3/8	1-13/16
WT20 x 296.5	3.94	WT500 x 441.5	232.5	33.5	3/8	3/8	7/16	11/16	7/8
251.5	3.41	374	201.2	38.7	3/8	3/8	1/2	3/4	1
196	3	206	177.0	44.0	3/8	7/16	1/2	7/8	1-1/8
215.5	2.97	321	175.2	44.4	3/8	7/16	1/2	7/8	1-1/8
198.5	2.75	296	162.3	48.0	3/8	7/16	1/2	7/8	1-3/16
186	2.59	292	152.8	51.0	3/8	1/2	1/2	15/16	1-1/4
181	2.53	277	149.3	52.2	3/8	1/2	1/2	15/16	1-1/4
165.5	2.58	197	152.2	51.2	3/8	1/2	1/2	15/16	1-1/4
163.5	2.56	186	151.0	51.6	3/8	1/2	1/2	15/16	1-1/4
162	2.28	270	134.5	57.9	3/8	9/16	11/16	1-1/16	1-3/8
148.5	2.11	247	124.5	62.6	3/8	9/16	3/4	1-1/8	1-7/16
139	2.2	175	129.8	60.0	3/8	9/16	3/4	1-1/16	1-7/16
132	2.11	161	124.5	62.6	3/8	9/16	3/4	1-1/8	1-7/16
138.5	1.98	244	116.8	66.7	7/16	5/8	13/16	1-3/16	1-9/16
124.5	1.78	241	105.0	74.2	7/16	5/8	7/8	1-1/4	1-11/16
117.5	1.89	157	111.5	69.8	7/16	5/8	13/16	1-3/16	1-9/16
107.5	1.55	221	91.5	85.2	7/16	11/16	15/16	1-3/8	1-13/16
105.5	1.7	148	100.3	77.6	7/16	11/16	7/8	1-5/16	1-11/16
99.5	1.44	207	85.0	91.7	1/2	3/4	1	1-7/16	1-15/16
91.5	1.49	136	87.9	88.6	7/16	3/4	15/16	1-7/16	1-7/8
83.5	1.37	124.5	80.8	96.4	1/2	3/4	1	1-1/2	2
74.5	1.23	111	72.6	107.3	9/16	13/16	1-1/16	1-5/8	2-1/8
WT18 x 399	5.19	WT460 x 594	306.2	25.4	3/8	3/8	3/8	9/16	11/16
325	4.36	483.5	257.2	30.3	3/8	3/8	7/16	5/8	13/16
263.5	3.63	392	214.2	36.4	3/8	3/8	1/2	3/4	15/16
219.5	3.09	326.5	182.3	42.7	3/8	7/16	1/2	13/16	1-1/16
196.5	2.8	292.5	165.2	47.1	3/8	7/16	1/2	7/8	1-3/16
179.5	2.58	267	152.2	51.2	3/8	1/2	1/2	15/16	1-1/4
164	2.37	244	139.8	55.7	3/8	1/2	11/16	1	1-5/16
128	2.1	172.5	123.9	62.9	3/8	9/16	3/4	1-1/8	1-1/2
150	2.17	223	128.0	60.8	3/8	9/16	3/4	1-1/16	1-7/16
140	2.04	208.5	120.4	64.7	3/8	9/16	3/4	1-1/8	1-1/2
116	1.91	171	112.7	69.1	7/16	5/8	13/16	1-3/16	1-9/16
130	1.9	193.5	112.1	69.5	7/16	5/8	13/16	1-3/16	1-9/16
122.5	1.8	190.5	106.2	73.3	7/16	5/8	13/16	1-1/4	1-5/8
105	1.74	156.5	102.7	75.9	7/16	5/8	7/8	1-1/4	1-11/16
115	1.69	182.5	99.7	78.1	7/16	11/16	7/8	1-5/16	1-3/4
97	1.62	144.5	95.6	81.5	7/16	11/16	7/8	1-5/16	1-3/4
91	1.52	135.5	89.7	86.8	7/16	11/16	15/16	1-3/8	1-7/8
85	1.43	126.5	84.4	92.3	1/2	3/4	1	1-7/16	1-15/16
80	1.35	119	79.7	97.8	1/2	3/4	1	1-1/2	2
75	1.27	111.5	74.9	103.9	9/16	13/16	1-1/16	1-9/16	2-1/16

**X829 - WT Members**  
**Wide Flange Structural Steel Columns**  
**CAFCO BLAZE-SHIELD II, HP**

ASTM Desig.	W/D	Metric Desig.	M/D	Hp/A	1-Hour	1-1/2 Hour	2-Hour	3-Hour	4-Hour
WT18 x 67.5	1.15	WT460 x 100.5	67.9	114.8	9/16	7/8	1-1/8	1-11/16	2-1/8
WT16.5 x 193.5	2.86	WT420 x 288	168.7	46.2	3/8	7/16	1/2	7/8	1-3/16
177	2.64	263.5	155.8	50.0	3/8	1/2	1/2	15/16	1-1/4
159	2.39	236.5	141.0	55.2	3/8	1/2	11/16	1	1-5/16
145.5	2.21	216.5	130.4	59.7	3/8	9/16	3/4	1-1/16	1-7/16
131.5	2.01	196	118.6	65.7	3/8	9/16	3/4	1-1/8	1-1/2
120.5	1.85	179.5	109.2	71.4	7/16	5/8	13/16	1-3/16	1-5/8
110.5	1.7	164.5	100.3	77.6	7/16	11/16	7/8	1-5/16	1-11/16
100.5	1.56	149.5	92.0	84.6	7/16	11/16	15/16	1-3/8	1-13/16
76	1.36	113	80.2	97.1	1/2	3/4	1	1-1/2	2
70.5	1.27	105	74.9	103.9	9/16	13/16	1-1/16	1-9/16	2-1/16
84.5	1.21	125.5	71.4	109.1	9/16	13/16	1-1/8	1-5/8	2-1/8
65	1.18	96.5	69.6	111.9	9/16	13/16	1-1/8	1-5/8	2-1/8
59	1.07	88	63.1	123.4	5/8	7/8	1-3/16	1-11/16	2-1/8
WT15 x 195.5	3.07	WT380 x 291	181.1	43.0	3/8	7/16	1/2	13/16	1-1/8
178.5	2.83	265.5	167.0	46.6	3/8	7/16	1/2	7/8	1-3/16
163	2.61	242	154.0	50.6	3/8	1/2	1/2	15/16	1-1/4
146	2.36	217	139.2	55.9	3/8	1/2	11/16	1	1-3/8
130.5	2.13	194.5	125.7	62.0	3/8	9/16	3/4	1-1/8	1-7/16
117.5	1.93	175	113.9	68.4	7/16	5/8	13/16	1-3/16	1-9/16
105.5	1.75	157	103.3	75.4	7/16	5/8	7/8	1-1/4	1-11/16
95.5	1.59	142	93.8	83.0	7/16	11/16	15/16	1-3/8	1-13/16
74	1.46	110	86.1	90.4	7/16	3/4	15/16	1-7/16	1-7/8
86.5	1.45	128.5	85.6	91.0	1/2	3/4	1	1-7/16	1-15/16
62	1.23	92.5	72.6	107.3	9/16	13/16	1-1/16	1-5/8	2-1/8
66	1.3	98	76.7	101.5	9/16	13/16	1-1/16	1-9/16	2-1/16
58	1.16	86.5	68.4	113.8	9/16	7/8	1-1/8	1-11/16	2-1/8
54	1.08	80.5	63.7	122.2	5/8	7/8	1-3/16	1-11/16	2-1/8
49.5	0.994	73.5	58.6	132.8	5/8	15/16	1-1/4	1-11/16	2-1/8
45	0.907	67	53.5	145.5	11/16	1	1-1/4	1-11/16	2-1/8
WT13.5 x 296.5	4.32	WT345 x 401	254.9	30.6	3/8	3/8	7/16	5/8	13/16
184	3.12	274	184.1	42.3	3/8	7/16	1/2	13/16	1-1/16
168	2.88	250	169.9	45.8	3/8	7/16	1/2	7/8	1-1/8
153.5	2.66	228.5	156.9	49.6	3/8	1/2	1/2	15/16	1-1/4
140.5	2.46	209	145.1	53.7	3/8	1/2	11/16	1	1-5/16
129	2.27	192	133.9	58.1	3/8	9/16	11/16	1-1/16	1-3/8
117.5	2.09	175	123.3	63.2	3/8	9/16	3/4	1-1/8	1-1/2
108.5	1.94	161.5	114.5	68.0	7/16	5/8	13/16	1-3/16	1-9/16
97	1.75	144.5	103.3	75.4	7/16	5/8	7/8	1-1/4	1-11/16
89	1.61	132.5	95.0	82.0	7/16	11/16	7/8	1-5/16	1-3/4
80.5	1.47	120	86.7	89.8	7/16	3/4	15/16	1-7/16	1-7/8
64.5	1.38	96	81.4	95.7	1/2	3/4	1	1-1/2	2
73	1.34	108.5	79.1	98.5	1/2	3/4	1	1-1/2	2

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ASTM Desig.	W/D	Metric Desig.	M/D	Hp/A	1-Hour	1-1/2 Hour	2-Hour	3-Hour	4-Hour
WT13.5 x 57	1.22	WT345 x 85	72.0	108.2	9/16	13/16	1-1/16	1-5/8	2-1/8
51	1.1	76	64.9	120.0	5/8	7/8	1-3/16	1-11/16	2-1/8
47	1.02	70	60.2	129.4	5/8	15/16	1-3/16	1-11/16	2-1/8
42	0.915	62.5	54.0	144.3	11/16	1	1-1/4	1-11/16	2-1/8
WT12 x 185	3.39	WT305 x 275.5	200.0	38.9	3/8	3/8	1/2	3/4	1
167.5	3.11	249	183.5	42.4	3/8	7/16	1/2	13/16	1-1/16
153	2.88	227.5	169.9	45.8	3/8	7/16	1/2	7/8	1-1/8
139.5	2.65	207.5	156.4	49.8	3/8	1/2	1/2	15/16	1-1/4
125	2.4	186	141.6	55.0	3/8	1/2	11/16	1	1-5/16
114.5	2.23	170.5	131.6	59.2	3/8	9/16	11/16	1-1/16	1-3/8
103.5	2.03	153.5	119.8	65.0	3/8	9/16	3/4	1-1/8	1-1/2
96	1.9	142.5	112.1	69.5	7/16	5/8	13/16	1-3/16	1-9/16
88	1.75	131	103.3	75.4	7/16	5/8	7/8	1-1/4	1-11/16
81	1.61	120.5	95.0	82.0	7/16	11/16	7/8	1-5/16	1-3/4
73	1.47	108.5	86.7	89.8	7/16	3/4	15/16	1-7/16	1-7/8
65.5	1.33	97.5	78.5	99.2	1/2	3/4	1	1-1/2	2
51.5	1.23	76.5	72.6	107.3	9/16	13/16	1-1/16	1-5/8	2-1/8
58.5	1.19	87	70.2	110.9	9/16	13/16	1-1/8	1-5/8	2-1/8
47	1.12	70	66.1	117.9	9/16	7/8	1-1/8	1-11/16	2-1/8
52	1.07	77.5	63.1	123.4	5/8	7/8	1-3/16	1-11/16	2-1/8
42	1.01	62.5	59.6	130.7	5/8	15/16	1-1/4	1-11/16	2-1/8
38	0.922	56.5	54.4	143.2	11/16	1	1-1/4	1-11/16	2-1/8
31	0.836	46	49.3	157.9	11/16	1	1-1/4	1-11/16	2-1/8
34	0.829	50.5	48.9	159.2	11/16	1-1/16	1-3/8	1-7/8	2-5/16
27.5	0.747	41	44.1	176.7	11/16	1-1/16	1-7/16	1-7/8	2-5/16
WT10.5 x 100.5	2.12	WT265 x 150	125.1	62.3	3/8	9/16	3/4	1-1/8	1-7/16
91	1.94	136	114.5	68.0	7/16	5/8	13/16	1-3/16	1-9/16
83	1.79	124	105.6	73.7	7/16	5/8	13/16	1-1/4	1-5/8
73.5	1.59	109.5	93.8	83.0	7/16	11/16	15/16	1-3/8	1-13/16
66	1.44	98	85.0	91.7	1/2	3/4	1	1-7/16	1-15/16
61	1.33	91	78.5	99.2	1/2	3/4	1	1-1/2	2
46.5	1.23	69	72.6	107.3	9/16	13/16	1-1/16	1-5/8	2-1/8
55.5	1.22	82.5	72.0	108.2	9/16	13/16	1-1/16	1-5/8	2-1/8
50.5	1.12	75	66.1	117.9	9/16	7/8	1-1/8	1-11/16	2-1/8
41.5	1.11	61.5	65.5	118.9	9/16	7/8	1-1/8	1-11/16	2-1/8
36.5	0.981	54.5	57.9	134.6	5/8	15/16	1-1/4	1-11/16	2-1/8
34	0.913	50.5	53.9	144.6	11/16	1	1-1/4	1-11/16	2-1/8
28.5	0.848	37	50.0	155.7	11/16	1	1-1/4	1-11/16	2-1/8
31	0.84	46	49.6	157.1	11/16	1	1-1/4	1-11/16	2-1/8
25	0.753	36	44.4	175.3	11/16	1-1/16	1-7/16	1-7/8	2-5/16
27.5	0.749	42.5	44.2	176.2	11/16	1-1/16	1-7/16	1-7/8	2-5/16
22	0.667	33	39.4	197.9	11/16	1-1/8	1-1/2	2-1/4	3
24	0.661	41	39.0	199.7	11/16	1-1/8	1-9/16	2-5/16	3-1/16
WT9 x 87.5	2.08	WT230 x 130	122.7	63.5	3/8	9/16	3/4	1-1/8	1-1/2
79	1.9	117.5	112.1	69.5	7/16	5/8	13/16	1-3/16	1-9/16

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**Wide Flange Structural Steel Columns**  
**CAFCO BLAZE-SHIELD II, HP**

ASTM Desig.	W/D	Metric Desig.	M/D	Hp/A	1-Hour	1-1/2 Hour	2-Hour	3-Hour	4-Hour
WT9 x 71.5	1.74	WT230 x 106.5	102.7	75.9	7/16	5/8	7/8	1-1/4	1-11/16
65	1.59	96.5	93.8	83.0	7/16	11/16	15/16	1-3/8	1-13/16
59.5	1.46	88.5	86.1	90.4	7/16	3/4	15/16	1-7/16	1-7/8
53	1.31	79	77.3	100.8	9/16	13/16	1-1/16	1-9/16	2-1/16
48.5	1.21	72	71.4	109.1	9/16	13/16	1-1/8	1-5/8	2-1/8
43	1.08	64	63.7	122.2	5/8	7/8	1-3/16	1-11/16	2-1/8
35.5	1.07	53	63.1	123.4	5/8	7/8	1-3/16	1-11/16	2-1/8
32.5	0.988	48.5	58.3	133.6	5/8	15/16	1-1/4	1-11/16	2-1/8
38	0.962	56.5	56.8	137.2	5/8	15/16	1-1/4	1-11/16	2-1/8
30	0.915	44.5	54.0	144.3	11/16	1	1-1/4	1-11/16	2-1/8
27.5	0.844	41	49.8	156.4	11/16	1	1-1/4	1-11/16	2-1/8
25	0.772	37	45.5	171.0	11/16	1-1/16	1-7/16	1-7/8	2-5/16
23	0.777	34	45.8	169.9	11/16	1-1/16	1-7/16	1-7/8	2-5/16
20	0.68	30	40.1	194.1	11/16	1-1/8	1-7/16	1-7/8	2-5/16
17.5	0.601	26	35.5	219.6	11/16	1-1/8	1-9/16	2-3/8	3-3/16
WT8 x 50	1.35	WT205 x 74.5	79.7	97.8	1/2	3/4	1	1-1/2	2
44.5	1.21	66	71.4	109.1	9/16	13/16	1-1/8	1-5/8	2-1/8
38.5	1.06	57	62.5	124.5	5/8	7/8	1-3/16	1-11/16	2-1/8
28.5	0.947	42.5	55.9	139.4	5/8	15/16	1-1/4	1-11/16	2-1/8
33.5	0.933	50	55.0	141.5	5/8	15/16	1-1/4	1-11/16	2-1/8
25	0.839	37	49.5	157.3	11/16	1	1-1/4	1-11/16	2-1/8
22.5	0.76	33.5	44.8	173.7	11/16	1-1/16	1-7/16	1-7/8	2-5/16
20	0.68	30	40.1	194.1	11/16	1-1/8	1-7/16	1-7/8	2-5/16
18	0.616	26.5	36.3	214.3	11/16	1-1/8	1-9/16	2-3/8	3-1/8
15.5	0.587	23	34.6	224.9	11/16	1-1/8	1-9/16	2-7/16	3-1/4
13	0.498	19.5	29.4	265.1	1-1/8	1-5/8	2-3/16	3-1/4	NR
WT7 x 404	6.86	WT180 x 601	404.7	19.2	3/8	3/8	3/8	3/8	9/16
365	6.39	543	377.0	20.7	3/8	3/8	3/8	7/16	9/16
332.5	5.95	495	351.1	22.2	3/8	3/8	3/8	1/2	5/8
302.5	5.53	450	326.3	23.9	3/8	3/8	3/8	1/2	11/16
275	5.14	409	303.3	25.7	3/8	3/8	3/8	9/16	11/16
250	4.76	372	280.8	27.7	3/8	3/8	3/8	9/16	3/4
227.5	4.42	338.5	260.8	29.9	3/8	3/8	7/16	5/8	13/16
213	4.18	317	246.6	31.6	3/8	3/8	7/16	5/8	7/8
199	3.95	296	233.1	33.4	3/8	3/8	7/16	11/16	7/8
185	3.71	275.5	218.9	35.6	3/8	3/8	1/2	11/16	15/16
171	3.21	254.5	189.4	41.1	3/8	7/16	1/2	13/16	1-1/16
155.5	2.96	231.5	174.6	44.6	3/8	7/16	1/2	7/8	1-1/8
141.5	2.72	210.5	160.5	48.5	3/8	1/2	1/2	15/16	1-3/16
128.5	2.49	191	146.9	53.0	3/8	1/2	11/16	1	1-5/16
116.5	2.28	173.5	134.5	57.9	3/8	9/16	11/16	1-1/16	1-3/8
105.5	2.11	157	124.5	62.6	3/8	9/16	3/4	1-1/8	1-7/16
96.5	1.93	143.5	113.9	68.4	7/16	5/8	13/16	1-3/16	1-9/16
88	1.76	131	103.8	75.0	7/16	5/8	7/8	1-1/4	1-11/16
79.5	1.62	118.5	95.6	81.5	7/16	11/16	7/8	1-5/16	1-3/4
72.5	1.53	108	90.3	86.3	7/16	11/16	15/16	1-3/8	1-7/8
66	1.4	98	82.6	94.3	1/2	3/4	1	1-1/2	1-15/16

**X829 - WT Members**  
**Wide Flange Structural Steel Columns**  
**CAFCO BLAZE-SHIELD II, HP**

ASTM Desig.	W/D	Metric Desig.	M/D	Hp/A	1-Hour	1-1/2 Hour	2-Hour	3-Hour	4-Hour
WT7 x 60	1.29	WT180 x 89.5	76.1	102.3	9/16	13/16	1-1/16	1-9/16	2-1/16
41	1.21	61	71.4	109.1	9/16	13/16	1-1/8	1-5/8	2-1/8
54.5	1.17	81	69.0	112.8	9/16	7/8	1-1/8	1-11/16	2-1/8
37	1.1	55	64.9	120.0	5/8	7/8	1-3/16	1-11/16	2-1/8
49.5	1.07	73.5	63.1	123.4	5/8	7/8	1-3/16	1-11/16	2-1/8
45	1.07	67	63.1	123.4	5/8	7/8	1-3/16	1-11/16	2-1/8
34	1.02	50.5	60.2	129.4	5/8	15/16	1-3/16	1-11/16	2-1/8
30.5	0.921	45.5	54.3	143.3	11/16	1	1-1/4	1-11/16	2-1/8
26.5	0.904	39.5	53.3	146.0	11/16	1	1-1/4	1-11/16	2-1/8
24	0.825	36	48.7	160.0	11/16	1-1/16	1-3/8	1-7/8	2-5/16
21.5	0.744	32	43.9	177.4	11/16	1-1/8	1-7/16	1-7/8	2-5/16
19	0.704	28.5	41.5	187.5	11/16	1-1/8	1-7/16	1-7/8	2-5/16
17	0.632	25.5	37.3	208.9	11/16	1-1/8	1-9/16	2-5/16	3-1/8
15	0.562	22.5	33.2	234.9	7/8	1-1/4	1-11/16	2-1/2	3-5/16
13	0.556	19.5	32.8	237.4	7/8	1-1/4	1-11/16	2-1/2	3-5/16
11	0.476	16.5	28.1	277.3	1-1/8	1-11/16	2-1/4	3-3/8	NR
WT6 x 168	3.93	WT155 x 250	231.9	33.6	3/8	3/8	7/16	11/16	7/8
152.5	3.64	227	214.8	36.3	3/8	3/8	1/2	3/4	15/16
139.5	3.38	207.5	199.4	39.1	3/8	3/8	1/2	3/4	1
126	3.1	187.5	182.9	42.6	3/8	7/16	1/2	13/16	1-1/16
115	2.87	171	169.3	46.0	3/8	7/16	1/2	7/8	1-1/8
105	2.66	156.5	156.9	49.6	3/8	1/2	1/2	15/16	1-1/4
95	2.44	141.5	144.0	54.1	3/8	1/2	11/16	1	1-5/16
85	2.21	126.5	130.4	59.7	3/8	9/16	3/4	1-1/16	1-7/16
76	2.01	112.5	118.6	65.7	3/8	9/16	3/4	1-1/8	1-1/2
68	1.81	101	106.8	72.9	7/16	5/8	13/16	1-1/4	1-5/8
60	1.62	89.5	95.6	81.5	7/16	11/16	7/8	1-5/16	1-3/4
53	1.45	79	85.6	91.0	1/2	3/4	1	1-7/16	1-15/16
48	1.32	71.5	77.9	100.0	9/16	13/16	1-1/16	1-9/16	2-1/16
43.5	1.21	64.5	71.4	109.1	9/16	13/16	1-1/8	1-5/8	2-1/8
39.5	1.1	58.5	64.9	120.0	5/8	7/8	1-3/16	1-11/16	2-1/8
36	1.01	53.5	59.6	130.7	5/8	15/16	1-1/4	1-11/16	2-1/8
29	0.921	43	54.3	143.3	11/16	1	1-1/4	1-11/16	2-1/8
32.5	0.918	48.5	54.2	143.8	11/16	1	1-1/4	1-11/16	2-1/8
25	0.906	37	53.5	145.7	11/16	1	1-1/4	1-11/16	2-1/8
26.5	0.844	39.5	49.8	156.4	11/16	1	1-1/4	1-11/16	2-1/8
22.5	0.818	33.5	48.3	161.4	11/16	1-1/16	1-3/8	1-7/8	2-5/16
20	0.735	30	43.4	179.6	11/16	1-1/8	1-7/16	1-7/8	2-5/16
17.5	0.7	26	41.3	188.6	11/16	1-1/8	1-7/16	1-7/8	2-5/16
15	0.605	22.5	35.7	218.2	11/16	1-1/8	1-9/16	2-3/8	3-3/16
13	0.528	19.5	31.2	250.0	1-1/16	1-5/8	2-1/8	3-3/16	NR
11	0.553	16.5	32.6	238.7	7/8	1-1/4	1-11/16	2-1/2	3-5/16
9.5	0.482	14	28.4	273.9	1-1/8	1-11/16	2-1/4	3-5/16	NR
8	0.41	12	24.2	322.0	1-1/4	1-13/16	2-5/16	3-9/16	NR
7	0.361	10.5	21.3	365.7	1-1/4	1-13/16	2-5/16	3-9/16	NR
WT5 x 56	1.77	WT125 x 83.5	104.4	74.6	7/16	5/8	7/8	1-1/4	1-11/16
50	1.61	74.5	95.0	82.0	7/16	11/16	7/8	1-5/16	1-3/4

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ASTM Desig.	W/D	Metric Desig.	M/D	Hp/A	1-Hour	1-1/2 Hour	2-Hour	3-Hour	4-Hour
WT5 x 44	1.43	WT125 x 65.5	84.4	92.3	1/2	3/4	1	1-7/16	1-15/16
38.5	1.27	57.5	74.9	103.9	9/16	13/16	1-1/16	1-9/16	2-1/16
34	1.13	50.5	66.7	116.8	9/16	7/8	1-1/8	1-11/16	2-1/8
30	1.01	44.5	59.6	130.7	5/8	15/16	1-1/4	1-11/16	2-1/8
27	0.915	40	54.0	144.3	11/16	1	1-1/4	1-11/16	2-1/8
22.5	0.882	33.5	52.0	149.7	11/16	1	1-1/4	1-11/16	2-1/8
24.5	0.833	36.5	49.1	158.5	11/16	1	1-1/4	1-11/16	2-1/8
19.5	0.771	29	45.5	171.2	11/16	1-1/16	1-7/16	1-7/8	2-5/16
15	0.694	22.5	40.9	190.2	11/16	1-1/8	1-7/16	1-7/8	2-5/16
16.5	0.657	24.5	38.8	200.9	11/16	1-1/8	1-9/16	2-5/16	3-1/16
13	0.61	19.5	36.0	216.4	11/16	1-1/8	1-9/16	2-3/8	3-3/16
9.5	0.534	14	31.5	247.2	1-1/16	1-5/8	2-1/8	3-3/16	NR
11	0.519	16.5	30.6	254.3	1-1/16	1-5/8	2-1/8	3-3/16	NR
8.5	0.48	12.5	28.3	275.0	1-1/8	1-11/16	2-1/4	3-5/16	NR
7.5	0.429	11	25.3	307.7	1-3/16	1-3/4	2-5/16	3-1/2	NR
6	0.347	9	20.5	380.4	1-1/4	1-13/16	2-5/16	3-9/16	NR
WT4 x 33.5	1.34	WT100 x 50	79.1	98.5	1/2	3/4	1	1-1/2	2
29	1.18	43	69.6	111.9	9/16	13/16	1-1/8	1-5/8	2-1/8
24	0.996	35.5	58.8	132.5	5/8	15/16	1-1/4	1-11/16	2-1/8
20	0.84	29.5	49.6	157.1	11/16	1	1-1/4	1-11/16	2-1/8
17.5	0.742	26	43.8	177.9	11/16	1-1/8	1-7/16	1-7/8	2-5/16
14	0.676	21	39.9	195.3	11/16	1-1/8	1-1/2	2-1/4	3
15.5	0.662	23	39.1	199.4	11/16	1-1/8	1-9/16	2-5/16	3-1/16
12	0.585	18	34.5	225.6	11/16	1-1/8	1-9/16	2-7/16	3-1/4
10.5	0.571	15.5	33.7	231.2	11/16	1-1/8	1-9/16	2-7/16	3-1/4
9	0.495	13.5	29.2	266.7	1-1/8	1-11/16	2-3/16	3-5/16	NR
7.5	0.478	11	28.2	276.2	1-1/8	1-11/16	2-1/4	3-3/8	NR
6.5	0.417	9.5	24.6	316.5	1-3/16	1-13/16	2-5/16	3-9/16	NR
WT3 x 12.5	0.691	WT75 x 18.5	40.8	191.0	11/16	1-1/8	1-7/16	1-7/8	2-5/16
8	0.576	11	34.0	229.2	11/16	1-1/8	1-9/16	2-7/16	3-1/4
10	0.561	15	33.1	235.3	7/8	1-1/4	1-11/16	2-1/2	3-5/16
6	0.441	9	26.0	299.3	1-3/16	1-3/4	2-5/16	3-1/2	NR
7.5	0.426	12	25.1	309.9	1-3/16	1-13/16	2-5/16	3-9/16	NR
4.5	0.336	7	19.8	392.9	1-1/4	1-13/16	2-5/16	3-9/16	NR
WT2.5 x 9.5	0.638	WT65 x 14	37.6	206.9	11/16	1-1/8	1-9/16	2-5/16	3-1/8
8	0.544	12	32.1	242.6	1-1/16	1-9/16	2-1/8	3-1/8	NR
WT2 x 6.5	0.546	WT50 x 9.5	32.2	241.8	1-1/16	1-9/16	2-1/8	3-1/8	NR