

X829 - WT Members
Wide Flange Structural Steel "T" Members
CAFCO® BLAZE-SHIELD® II, HP & ISOLATEK® Type 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	60.4	3/8	9/16	3/4	1-1/16	1-7/16
145	1.95	216	115.1	68.7	7/16	5/8	13/16	1-3/16	1-9/16
131	1.76	195	103.8	76.1	7/16	5/8	7/8	1-1/4	1-11/16
115	1.56	171	92.0	85.9	7/16	11/16	15/16	1-3/8	1-13/16
WT20 x 296.5	3.94	WT500 x 441.5	232.5	34.0	3/8	3/8	7/16	11/16	7/8
251.5	3.41	374	201.2	39.3	3/8	3/8	1/2	3/4	1
196	3	206	177.0	44.7	3/8	7/16	1/2	7/8	1-1/8
215.5	2.97	321	175.2	45.1	3/8	7/16	1/2	7/8	1-1/8
198.5	2.75	296	162.3	48.7	3/8	7/16	1/2	7/8	1-3/16
186	2.59	292	152.8	51.7	3/8	1/2	1/2	15/16	1-1/4
181	2.53	277	149.3	53.0	3/8	1/2	5/8	15/16	1-1/4
165.5	2.58	197	152.2	51.9	3/8	1/2	1/2	15/16	1-1/4
163.5	2.56	186	151.0	52.3	3/8	1/2	1/2	15/16	1-1/4
162	2.28	270	134.5	58.8	3/8	9/16	11/16	1-1/16	1-3/8
148.5	2.11	247	124.5	63.5	3/8	9/16	3/4	1-1/8	1-7/16
139	2.2	175	129.8	60.9	3/8	9/16	3/4	1-1/16	1-7/16
132	2.11	161	124.5	63.5	3/8	9/16	3/4	1-1/8	1-7/16
138.5	1.98	244	116.8	67.7	7/16	5/8	13/16	1-3/16	1-9/16
124.5	1.78	241	105.0	75.3	7/16	5/8	7/8	1-1/4	1-11/16
117.5	1.89	157	111.5	70.9	7/16	5/8	13/16	1-3/16	1-9/16
107.5	1.55	221	91.5	86.4	7/16	11/16	15/16	1-3/8	1-13/16
105.5	1.7	148	100.3	78.8	7/16	11/16	7/8	1-5/16	1-11/16
99.5	1.44	207	85.0	93.0	1/2	3/4	1	1-7/16	1-15/16
91.5	1.49	136	87.9	89.9	7/16	3/4	15/16	1-7/16	1-7/8
83.5	1.37	124.5	80.8	97.8	1/2	3/4	1	1-1/2	2
74.5	1.23	111	72.6	108.9	9/16	13/16	1-1/16	1-5/8	2-1/8
WT18 x 399	5.19	WT460 x 594	306.2	25.8	3/8	3/8	3/8	9/16	11/16
325	4.36	483.5	257.2	30.7	3/8	3/8	7/16	5/8	13/16
263.5	3.63	392	214.2	36.9	3/8	3/8	1/2	3/4	15/16
219.5	3.09	326.5	182.3	43.4	3/8	7/16	1/2	13/16	1-1/16
196.5	2.8	292.5	165.2	47.9	3/8	7/16	1/2	7/8	1-3/16
179.5	2.58	267	152.2	51.9	3/8	1/2	1/2	15/16	1-1/4
164	2.37	244	139.8	56.5	3/8	1/2	11/16	1	1-5/16
128	2.1	172.5	123.9	63.8	3/8	9/16	3/4	1-1/8	1-1/2
150	2.17	223	128.0	61.7	3/8	9/16	3/4	1-1/16	1-7/16
140	2.04	208.5	120.4	65.7	3/8	9/16	3/4	1-1/8	1-1/2
116	1.91	171	112.7	70.1	7/16	5/8	13/16	1-3/16	1-9/16
130	1.9	193.5	112.1	70.5	7/16	5/8	13/16	1-3/16	1-9/16
122.5	1.8	190.5	106.2	74.4	7/16	5/8	13/16	1-1/4	1-5/8
105	1.74	156.5	102.7	77.0	7/16	5/8	7/8	1-1/4	1-11/16
115	1.69	182.5	99.7	79.3	7/16	11/16	7/8	1-5/16	1-3/4
97	1.62	144.5	95.6	82.7	7/16	11/16	7/8	1-5/16	1-3/4
91	1.52	135.5	89.7	88.1	7/16	11/16	15/16	1-3/8	1-7/8
85	1.43	126.5	84.4	93.7	1/2	3/4	1	1-7/16	1-15/16
80	1.35	119	79.7	99.2	1/2	3/4	1	1-1/2	2
75	1.27	111.5	74.9	105.5	9/16	13/16	1-1/16	1-9/16	2-1/16

X829 - WT Members
Wide Flange Structural Steel "T" Members
CAFCO® BLAZE-SHIELD® II, HP & ISOLATEK® Type 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	116.5	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	46.8	3/8	7/16	1/2	7/8	1-3/16
177	2.64	263.5	155.8	50.8	3/8	1/2	1/2	15/16	1-1/4
159	2.39	236.5	141.0	56.1	3/8	1/2	11/16	1	1-5/16
145.5	2.21	216.5	130.4	60.6	3/8	9/16	3/4	1-1/16	1-7/16
131.5	2.01	196	118.6	66.7	3/8	9/16	3/4	1-1/8	1-1/2
120.5	1.85	179.5	109.2	72.4	7/16	5/8	13/16	1-3/16	1-5/8
110.5	1.7	164.5	100.3	78.8	7/16	11/16	7/8	1-5/16	1-11/16
100.5	1.56	149.5	92.0	85.9	7/16	11/16	15/16	1-3/8	1-13/16
76	1.36	113	80.2	98.5	1/2	3/4	1	1-1/2	2
70.5	1.27	105	74.9	105.5	9/16	13/16	1-1/16	1-9/16	2-1/16
84.5	1.21	125.5	71.4	110.7	9/16	13/16	1-1/8	1-5/8	2-1/8
65	1.18	96.5	69.6	113.5	9/16	13/16	1-1/8	1-5/8	2-1/8
59	1.07	88	63.1	125.2	5/8	7/8	1-3/16	1-11/16	2-1/8
WT15 x 195.5	3.07	WT380 x 291	181.1	43.6	3/8	7/16	1/2	13/16	1-1/8
178.5	2.83	265.5	167.0	47.3	3/8	7/16	1/2	7/8	1-3/16
163	2.61	242	154.0	51.3	3/8	1/2	1/2	15/16	1-1/4
146	2.36	217	139.2	56.8	3/8	1/2	11/16	1	1-3/8
130.5	2.13	194.5	125.7	62.9	3/8	9/16	3/4	1-1/8	1-7/16
117.5	1.93	175	113.9	69.4	7/16	5/8	13/16	1-3/16	1-9/16
105.5	1.75	157	103.3	76.6	7/16	5/8	7/8	1-1/4	1-11/16
95.5	1.59	142	93.8	84.3	7/16	11/16	15/16	1-3/8	1-13/16
74	1.46	110	86.1	91.8	1/2	3/4	15/16	1-7/16	1-7/8
86.5	1.45	128.5	85.6	92.4	1/2	3/4	1	1-7/16	1-15/16
62	1.23	92.5	72.6	108.9	9/16	13/16	1-1/16	1-5/8	2-1/8
66	1.3	98	76.7	103.1	9/16	13/16	1-1/16	1-9/16	2-1/16
58	1.16	86.5	68.4	115.5	9/16	7/8	1-1/8	1-11/16	2-1/8
54	1.08	80.5	63.7	124.1	5/8	7/8	1-3/16	1-11/16	2-1/8
49.5	0.99	73.5	58.4	135.3	5/8	15/16	1-1/4	1-11/16	2-1/8
45	0.9	67	53.1	148.9	11/16	1	1-1/4	1-11/16	2-1/8
WT13.5 x 296.5	4.32	WT345 x 401	254.9	31.0	3/8	3/8	7/16	5/8	13/16
184	3.12	274	184.1	42.9	3/8	7/16	1/2	13/16	1-1/16
168	2.88	250	169.9	46.5	3/8	7/16	1/2	7/8	1-1/8
153.5	2.66	228.5	156.9	50.4	3/8	1/2	1/2	15/16	1-1/4
140.5	2.46	209	145.1	54.5	3/8	1/2	11/16	1	1-5/16
129	2.27	192	133.9	59.0	3/8	9/16	11/16	1-1/16	1-3/8
117.5	2.09	175	123.3	64.1	3/8	9/16	3/4	1-1/8	1-1/2
108.5	1.94	161.5	114.5	69.1	7/16	5/8	13/16	1-3/16	1-9/16
97	1.75	144.5	103.3	76.6	7/16	5/8	7/8	1-1/4	1-11/16
89	1.61	132.5	95.0	83.2	7/16	11/16	7/8	1-5/16	1-3/4
80.5	1.47	120	86.7	91.1	7/16	3/4	15/16	1-7/16	1-7/8
64.5	1.38	96	81.4	97.1	1/2	3/4	1	1-1/2	2
73	1.34	108.5	79.1	100.0	1/2	3/4	1	1-1/2	2

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CAFCO® BLAZE-SHIELD® II, HP & ISOLATEK® Type II, HP

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	109.8	9/16	13/16	1-1/16	1-5/8	2-1/8
51	1.1	76	64.9	121.8	5/8	7/8	1-3/16	1-11/16	2-1/8
47	1.02	70	60.2	131.4	5/8	15/16	1-3/16	1-11/16	2-1/8
42	0.91	62.5	53.7	147.2	11/16	1	1-1/4	1-11/16	2-1/8
WT12 x 185	3.39	WT305 x 275.5	200.0	39.5	3/8	3/8	1/2	3/4	1
167.5	3.11	249	183.5	43.1	3/8	7/16	1/2	13/16	1-1/16
153	2.88	227.5	169.9	46.5	3/8	7/16	1/2	7/8	1-1/8
139.5	2.65	207.5	156.4	50.6	3/8	1/2	1/2	15/16	1-1/4
125	2.4	186	141.6	55.8	3/8	1/2	11/16	1	1-5/16
114.5	2.23	170.5	131.6	60.1	3/8	9/16	11/16	1-1/16	1-3/8
103.5	2.03	153.5	119.8	66.0	3/8	9/16	3/4	1-1/8	1-1/2
96	1.9	142.5	112.1	70.5	7/16	5/8	13/16	1-3/16	1-9/16
88	1.75	131	103.3	76.6	7/16	5/8	7/8	1-1/4	1-11/16
81	1.61	120.5	95.0	83.2	7/16	11/16	7/8	1-5/16	1-3/4
73	1.47	108.5	86.7	91.1	7/16	3/4	15/16	1-7/16	1-7/8
65.5	1.33	97.5	78.5	100.7	1/2	3/4	1	1-1/2	2
51.5	1.23	76.5	72.6	108.9	9/16	13/16	1-1/16	1-5/8	2-1/8
58.5	1.19	87	70.2	112.6	9/16	13/16	1-1/8	1-5/8	2-1/8
47	1.12	70	66.1	119.6	9/16	7/8	1-1/8	1-11/16	2-1/8
52	1.07	77.5	63.1	125.2	5/8	7/8	1-3/16	1-11/16	2-1/8
42	1.01	62.5	59.6	132.7	5/8	15/16	1-1/4	1-11/16	2-1/8
38	0.92	56.5	54.3	145.6	11/16	1	1-1/4	1-11/16	2-1/8
31	0.83	46	49.0	161.4	11/16	1-1/16	1-3/8	1-7/8	2-5/16
34	0.82	50.5	48.4	163.4	11/16	1-1/16	1-3/8	1-7/8	2-5/16
27.5	0.74	41	43.7	181.1	11/16	1-1/8	1-7/16	1-7/8	2-5/16
WT10.5 x 100.5	2.12	WT265 x 150	125.1	63.2	3/8	9/16	3/4	1-1/8	1-7/16
91	1.94	136	114.5	69.1	7/16	5/8	13/16	1-3/16	1-9/16
83	1.79	124	105.6	74.9	7/16	5/8	13/16	1-1/4	1-5/8
73.5	1.59	109.5	93.8	84.3	7/16	11/16	15/16	1-3/8	1-13/16
66	1.44	98	85.0	93.0	1/2	3/4	1	1-7/16	1-15/16
61	1.33	91	78.5	100.7	1/2	3/4	1	1-1/2	2
46.5	1.23	69	72.6	108.9	9/16	13/16	1-1/16	1-5/8	2-1/8
55.5	1.22	82.5	72.0	109.8	9/16	13/16	1-1/16	1-5/8	2-1/8
50.5	1.12	75	66.1	119.6	9/16	7/8	1-1/8	1-11/16	2-1/8
41.5	1.11	61.5	65.5	120.7	9/16	7/8	1-1/8	1-11/16	2-1/8
36.5	0.98	54.5	57.8	136.7	5/8	15/16	1-1/4	1-11/16	2-1/8
34	0.91	50.5	53.7	147.2	11/16	1	1-1/4	1-11/16	2-1/8
28.5	0.84	37	49.6	159.5	11/16	1	1-1/4	1-11/16	2-1/8
31	0.84	46	49.6	159.5	11/16	1	1-1/4	1-11/16	2-1/8
25	0.75	36	44.3	178.6	11/16	1-1/16	1-7/16	1-7/8	2-5/16
27.5	0.74	42.5	43.7	181.1	11/16	1-1/8	1-7/16	1-7/8	2-5/16
22	0.66	33	38.9	203.0	11/16	1-1/8	1-9/16	2-5/16	3-1/16
24	0.66	41	38.9	203.0	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	64.4	3/8	9/16	3/4	1-1/8	1-1/2
79	1.9	117.5	112.1	70.5	7/16	5/8	13/16	1-3/16	1-9/16

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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
WT9 x 71.5	1.74	WT230 x 106.5	102.7	77.0	7/16	5/8	7/8	1-1/4	1-11/16
65	1.59	96.5	93.8	84.3	7/16	11/16	15/16	1-3/8	1-13/16
59.5	1.46	88.5	86.1	91.8	1/2	3/4	15/16	1-7/16	1-7/8
53	1.31	79	77.3	102.3	9/16	13/16	1-1/16	1-9/16	2-1/16
48.5	1.21	72	71.4	110.7	9/16	13/16	1-1/8	1-5/8	2-1/8
43	1.08	64	63.7	124.1	5/8	7/8	1-3/16	1-11/16	2-1/8
35.5	1.07	53	63.1	125.2	5/8	7/8	1-3/16	1-11/16	2-1/8
32.5	0.98	48.5	57.8	136.7	5/8	15/16	1-1/4	1-11/16	2-1/8
38	0.96	56.5	56.6	139.6	5/8	15/16	1-1/4	1-11/16	2-1/8
30	0.91	44.5	53.7	147.2	11/16	1	1-1/4	1-11/16	2-1/8
27.5	0.84	41	49.6	159.5	11/16	1	1-1/4	1-11/16	2-1/8
25	0.77	37	45.4	174.0	11/16	1-1/16	1-7/16	1-7/8	2-5/16
23	0.77	34	45.4	174.0	11/16	1-1/16	1-7/16	1-7/8	2-5/16
20	0.68	30	40.1	197.0	11/16	1-1/8	1-7/16	1-7/8	2-5/16
17.5	0.6	26	35.4	223.3	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	99.2	1/2	3/4	1	1-1/2	2
44.5	1.21	66	71.4	110.7	9/16	13/16	1-1/8	1-5/8	2-1/8
38.5	1.06	57	62.5	126.4	5/8	7/8	1-3/16	1-11/16	2-1/8
28.5	0.94	42.5	55.5	142.5	5/8	15/16	1-1/4	1-11/16	2-1/8
33.5	0.93	50	54.9	144.1	11/16	1	1-1/4	1-11/16	2-1/8
25	0.83	37	49.0	161.4	11/16	1-1/16	1-3/8	1-7/8	2-5/16
22.5	0.76	33.5	44.8	176.3	11/16	1-1/16	1-7/16	1-7/8	2-5/16
20	0.68	30	40.1	197.0	11/16	1-1/8	1-7/16	1-7/8	2-5/16
18	0.61	26.5	36.0	219.6	11/16	1-1/8	1-9/16	2-3/8	3-3/16
15.5	0.58	23	34.2	231.0	11/16	1-1/8	1-9/16	2-7/16	3-1/4
13	0.49	19.5	28.9	273.4	1-1/8	1-11/16	2-3/16	3-5/16	NR
WT7 x 404	6.86	WT180 x 601	404.7	19.5	3/8	3/8	3/8	3/8	9/16
365	6.39	543	377.0	21.0	3/8	3/8	3/8	7/16	9/16
332.5	5.95	495	351.1	22.5	3/8	3/8	3/8	1/2	5/8
302.5	5.53	450	326.3	24.2	3/8	3/8	3/8	1/2	11/16
275	5.14	409	303.3	26.1	3/8	3/8	3/8	9/16	11/16
250	4.76	372	280.8	28.1	3/8	3/8	3/8	9/16	3/4
227.5	4.42	338.5	260.8	30.3	3/8	3/8	7/16	5/8	13/16
213	4.18	317	246.6	32.1	3/8	3/8	7/16	5/8	7/8
199	3.95	296	233.1	33.9	3/8	3/8	7/16	11/16	7/8
185	3.71	275.5	218.9	36.1	3/8	3/8	1/2	11/16	15/16
171	3.21	254.5	189.4	41.7	3/8	7/16	1/2	13/16	1-1/16
155.5	2.96	231.5	174.6	45.3	3/8	7/16	1/2	7/8	1-1/8
141.5	2.72	210.5	160.5	49.3	3/8	1/2	1/2	15/16	1-3/16
128.5	2.49	191	146.9	53.8	3/8	1/2	11/16	1	1-5/16
116.5	2.28	173.5	134.5	58.8	3/8	9/16	11/16	1-1/16	1-3/8
105.5	2.11	157	124.5	63.5	3/8	9/16	3/4	1-1/8	1-7/16
96.5	1.93	143.5	113.9	69.4	7/16	5/8	13/16	1-3/16	1-9/16
88	1.76	131	103.8	76.1	7/16	5/8	7/8	1-1/4	1-11/16
79.5	1.62	118.5	95.6	82.7	7/16	11/16	7/8	1-5/16	1-3/4
72.5	1.53	108	90.3	87.6	7/16	11/16	15/16	1-3/8	1-7/8
66	1.4	98	82.6	95.7	1/2	3/4	1	1-1/2	1-15/16

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Wide Flange Structural Steel "T" Members
CAFCO® BLAZE-SHIELD® II, HP & ISOLATEK® Type 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	103.9	9/16	13/16	1-1/16	1-9/16	2-1/16
41	1.21	61	71.4	110.7	9/16	13/16	1-1/8	1-5/8	2-1/8
54.5	1.17	81	69.0	114.5	9/16	7/8	1-1/8	1-11/16	2-1/8
37	1.1	55	64.9	121.8	5/8	7/8	1-3/16	1-11/16	2-1/8
49.5	1.07	73.5	63.1	125.2	5/8	7/8	1-3/16	1-11/16	2-1/8
45	1.07	67	63.1	125.2	5/8	7/8	1-3/16	1-11/16	2-1/8
34	1.02	50.5	60.2	131.4	5/8	15/16	1-3/16	1-11/16	2-1/8
30.5	0.92	45.5	54.3	145.6	11/16	1	1-1/4	1-11/16	2-1/8
26.5	0.9	39.5	53.1	148.9	11/16	1	1-1/4	1-11/16	2-1/8
24	0.82	36	48.4	163.4	11/16	1-1/16	1-3/8	1-7/8	2-5/16
21.5	0.74	32	43.7	181.1	11/16	1-1/8	1-7/16	1-7/8	2-5/16
19	0.7	28.5	41.3	191.4	11/16	1-1/8	1-7/16	1-7/8	2-5/16
17	0.63	25.5	37.2	212.7	11/16	1-1/8	1-9/16	2-3/8	3-1/8
15	0.56	22.5	33.0	239.3	7/8	1-1/4	1-11/16	2-1/2	3-5/16
13	0.55	19.5	32.5	243.6	7/8	1-1/4	1-11/16	2-1/2	3-5/16
11	0.47	16.5	27.7	285.1	1-1/8	1-11/16	2-1/4	3-3/8	NR
WT6 x 168	3.93	WT155 x 250	231.9	34.1	3/8	3/8	7/16	11/16	7/8
152.5	3.64	227	214.8	36.8	3/8	3/8	1/2	3/4	15/16
139.5	3.38	207.5	199.4	39.6	3/8	3/8	1/2	3/4	1
126	3.1	187.5	182.9	43.2	3/8	7/16	1/2	13/16	1-1/16
115	2.87	171	169.3	46.7	3/8	7/16	1/2	7/8	1-1/8
105	2.66	156.5	156.9	50.4	3/8	1/2	1/2	15/16	1-1/4
95	2.44	141.5	144.0	54.9	3/8	1/2	11/16	1	1-5/16
85	2.21	126.5	130.4	60.6	3/8	9/16	3/4	1-1/16	1-7/16
76	2.01	112.5	118.6	66.7	3/8	9/16	3/4	1-1/8	1-1/2
68	1.81	101	106.8	74.0	7/16	5/8	13/16	1-1/4	1-5/8
60	1.62	89.5	95.6	82.7	7/16	11/16	7/8	1-5/16	1-3/4
53	1.45	79	85.6	92.4	1/2	3/4	1	1-7/16	1-15/16
48	1.32	71.5	77.9	101.5	9/16	13/16	1-1/16	1-9/16	2-1/16
43.5	1.21	64.5	71.4	110.7	9/16	13/16	1-1/8	1-5/8	2-1/8
39.5	1.1	58.5	64.9	121.8	5/8	7/8	1-3/16	1-11/16	2-1/8
36	1.01	53.5	59.6	132.7	5/8	15/16	1-1/4	1-11/16	2-1/8
29	0.92	43	54.3	145.6	11/16	1	1-1/4	1-11/16	2-1/8
32.5	0.91	48.5	53.7	147.2	11/16	1	1-1/4	1-11/16	2-1/8
25	0.9	37	53.1	148.9	11/16	1	1-1/4	1-11/16	2-1/8
26.5	0.84	39.5	49.6	159.5	11/16	1	1-1/4	1-11/16	2-1/8
22.5	0.81	33.5	47.8	165.4	11/16	1-1/16	1-3/8	1-7/8	2-5/16
20	0.73	30	43.1	183.5	11/16	1-1/8	1-7/16	1-7/8	2-5/16
17.5	0.7	26	41.3	191.4	11/16	1-1/8	1-7/16	1-7/8	2-5/16
15	0.6	22.5	35.4	223.3	11/16	1-1/8	1-9/16	2-3/8	3-3/16
13	0.52	19.5	30.7	257.7	1-1/16	1-5/8	2-1/8	3-3/16	NR
11	0.55	16.5	32.5	243.6	7/8	1-1/4	1-11/16	2-1/2	3-5/16
9.5	0.48	14	28.3	279.1	1-1/8	1-11/16	2-1/4	3-5/16	NR
8	0.41	12	24.2	326.8	1-1/4	1-13/16	2-5/16	3-9/16	NR
7	0.36	10.5	21.2	372.2	1-1/4	1-13/16	2-5/16	3-9/16	NR
WT5 x 56	1.77	WT125 x 83.5	104.4	75.7	7/16	5/8	7/8	1-1/4	1-11/16
50	1.61	74.5	95.0	83.2	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	93.7	1/2	3/4	1	1-7/16	1-15/16
38.5	1.27	57.5	74.9	105.5	9/16	13/16	1-1/16	1-9/16	2-1/16
34	1.13	50.5	66.7	118.6	9/16	7/8	1-1/8	1-11/16	2-1/8
30	1.01	44.5	59.6	132.7	5/8	15/16	1-1/4	1-11/16	2-1/8
27	0.91	40	53.7	147.2	11/16	1	1-1/4	1-11/16	2-1/8
22.5	0.88	33.5	51.9	152.3	11/16	1	1-1/4	1-11/16	2-1/8
24.5	0.83	36.5	49.0	161.4	11/16	1-1/16	1-3/8	1-7/8	2-5/16
19.5	0.77	29	45.4	174.0	11/16	1-1/16	1-7/16	1-7/8	2-5/16
15	0.69	22.5	40.7	194.2	11/16	1-1/8	1-7/16	1-7/8	2-5/16
16.5	0.65	24.5	38.4	206.1	11/16	1-1/8	1-9/16	2-5/16	3-1/16
13	0.61	19.5	36.0	219.6	11/16	1-1/8	1-9/16	2-3/8	3-3/16
9.5	0.53	14	31.3	252.8	1-1/16	1-5/8	2-1/8	3-3/16	NR
11	0.51	16.5	30.1	262.7	1-1/8	1-5/8	2-3/16	3-1/4	NR
8.5	0.48	12.5	28.3	279.1	1-1/8	1-11/16	2-1/4	3-5/16	NR
7.5	0.42	11	24.8	319.0	1-3/16	1-13/16	2-5/16	3-9/16	NR
6	0.34	9	20.1	394.1	1-1/4	1-13/16	2-5/16	3-9/16	NR
WT4 x 33.5	1.34	WT100 x 50	79.1	100.0	1/2	3/4	1	1-1/2	2
29	1.18	43	69.6	113.5	9/16	13/16	1-1/8	1-5/8	2-1/8
24	0.99	35.5	58.4	135.3	5/8	15/16	1-1/4	1-11/16	2-1/8
20	0.84	29.5	49.6	159.5	11/16	1	1-1/4	1-11/16	2-1/8
17.5	0.74	26	43.7	181.1	11/16	1-1/8	1-7/16	1-7/8	2-5/16
14	0.67	21	39.5	200.0	11/16	1-1/8	1-1/2	2-1/4	3
15.5	0.66	23	38.9	203.0	11/16	1-1/8	1-9/16	2-5/16	3-1/16
12	0.58	18	34.2	231.0	11/16	1-1/8	1-9/16	2-7/16	3-1/4
10.5	0.57	15.5	33.6	235.1	13/16	1-1/4	1-5/8	2-7/16	3-1/4
9	0.49	13.5	28.9	273.4	1-1/8	1-11/16	2-3/16	3-5/16	NR
7.5	0.47	11	27.7	285.1	1-1/8	1-11/16	2-1/4	3-3/8	NR
6.5	0.41	9.5	24.2	326.8	1-1/4	1-13/16	2-5/16	3-9/16	NR
WT3 x 12.5	0.69	WT75 x 18.5	40.7	194.2	11/16	1-1/8	1-7/16	1-7/8	2-5/16
8	0.57	11	33.6	235.1	13/16	1-1/4	1-5/8	2-7/16	3-1/4
10	0.56	15	33.0	239.3	7/8	1-1/4	1-11/16	2-1/2	3-5/16
6	0.44	9	26.0	304.5	1-3/16	1-3/4	2-5/16	3-1/2	NR
7.5	0.42	12	24.8	319.0	1-3/16	1-13/16	2-5/16	3-9/16	NR
4.5	0.33	7	19.5	406.0	1-1/4	1-13/16	2-5/16	3-9/16	NR
WT2.5 x 9.5	0.63	WT65 x 14	37.2	212.7	11/16	1-1/8	1-9/16	2-3/8	3-1/8
8	0.54	12	31.9	248.1	1-1/16	1-9/16	2-1/8	3-1/8	NR
WT2 x 6.5	0.54	WT50 x 9.5	31.9	248.1	1-1/16	1-9/16	2-1/8	3-1/8	NR