

CODE OF PRACTICE FOR THE STRUCTURAL USE OF TIMBER

ERRATUM NO. 1

September 1999

1. *Replace* Table A.3 with the following table:

**Table A.3. Geometrical properties of square sawn timber
at 19% moisture content**

Nominal size	Minimum size	Area	Second moment of area		Section modulus		Radius of gyration	
			About x-x	About y-y	About x-x	About y-y	About x-x	About y-y
mm	mm	10 ³ mm ²	10 ⁶ mm ⁴	10 ⁶ mm ⁴	10 ³ mm ³	10 ³ mm ³	mm	mm
25 x 25	20 x 20	0.40	0.013	0.013	1.33	1.33	5.77	5.77
25 x 38	20 x 33	0.66	0.060	0.022	3.63	2.20	9.52	5.77
25 x 50	20 x 44	0.88	0.14	0.029	6.45	2.93	12.70	5.77
25 x 75	20 x 68	1.36	0.52	0.045	15.41	4.53	19.63	5.77
25 x 100	20 x 92	1.84	1.30	0.061	28.21	6.13	26.55	5.77
25 x 125	20 x 115	2.30	2.53	0.077	44.08	7.67	33.19	5.77
25 x 150	20 x 139	2.78	4.48	0.093	64.40	9.27	40.12	5.77
25 x 175	20 x 163	3.26	7.22	0.109	88.56	10.87	47.04	5.77
25 x 200	20 x 187	3.74	10.90	0.125	116.56	12.47	53.97	5.77
25 x 225	20 x 210	4.20	15.43	0.140	147.00	14.00	60.61	5.77
25 x 250	20 x 234	4.68	21.35	0.156	182.52	15.60	67.53	5.77
25 x 275	20 x 258	5.16	28.62	0.172	221.88	17.20	74.46	5.77
25 x 300	20 x 282	5.64	37.38	0.188	265.08	18.80	81.39	5.77
38 x 38	33 x 33	1.09	0.099	0.099	5.99	5.99	9.52	9.52
38 x 50	33 x 44	1.45	0.234	0.132	10.65	7.99	12.70	9.52
38 x 75	33 x 68	2.24	0.86	0.204	25.43	12.34	19.63	9.52
38 x 100	33 x 92	3.04	2.14	0.276	46.55	16.70	26.55	9.52
38 x 125	33 x 115	3.80	4.18	0.344	72.74	20.87	33.19	9.52
38 x 150	33 x 139	4.59	7.39	0.416	106.27	25.23	40.12	9.52
38 x 175	33 x 163	5.38	11.91	0.488	146.13	29.58	47.04	9.52
38 x 200	33 x 187	6.17	17.98	0.560	192.33	33.94	53.97	9.52
38 x 225	33 x 210	6.93	25.47	0.629	242.55	38.11	60.61	9.52
38 x 250	33 x 234	7.72	35.24	0.701	301.16	42.47	67.53	9.52
38 x 275	33 x 258	8.51	47.23	0.773	366.10	46.83	74.46	9.52
38 x 300	33 x 282	9.31	61.67	0.845	437.38	51.18	81.39	9.52
50 x 50	44 x 44	1.34	0.31	0.312	14.20	14.20	12.70	12.70
50 x 75	44 x 68	3.00	1.15	0.483	33.91	21.94	19.63	12.70
50 x 100	44 x 92	4.05	2.86	0.653	62.07	29.69	26.55	12.70
50 x 125	44 x 115	5.06	5.58	0.816	96.98	37.11	33.19	12.70
50 x 150	44 x 139	6.12	9.85	0.987	141.69	44.85	40.12	12.70
50 x 175	44 x 163	7.17	15.88	1.16	194.84	52.50	47.04	12.70
50 x 200	44 x 187	8.23	23.98	1.33	256.44	60.34	53.97	12.70
50 x 225	44 x 210	9.24	33.96	1.49	323.40	67.76	60.61	12.70
50 x 250	44 x 234	10.30	46.98	1.66	401.54	75.50	67.53	12.70
50 x 275	44 x 258	11.35	62.97	1.83	488.14	83.25	74.46	12.70
50 x 300	44 x 282	12.41	82.23	2.00	583.18	90.99	81.39	12.70

Singapore Standard CP 7 : 1997
Erratum No. 1

Table A.3 (cont'd)

Nominal size	Minimum size	Area	Second moment of area		Section modulus		Radius of gyration	
			About x-x	About y-y	About x-x	About y-y	About x-x	About y-y
mm	mm	10 ³ mm ²	10 ⁶ mm ⁴	10 ⁶ mm ⁴	10 ³ mm ³	10 ³ mm ³	mm	mm
75 x 75	68 x 68	4.62	1.78	1.78	52.41	52.41	19.63	19.63
75 x 100	68 x 92	6.26	4.41	2.41	95.39	70.90	26.55	19.63
75 x 125	68 x 115	7.82	8.62	3.01	149.88	88.63	33.19	19.63
75 x 150	68 x 139	9.45	15.22	3.64	218.97	107.12	40.12	19.63
75 x 175	68 x 163	11.08	24.54	4.27	301.12	125.62	47.04	19.63
75 x 200	68 x 187	12.72	37.06	4.90	396.32	144.11	53.97	19.63
75 x 225	68 x 210	14.28	52.48	5.50	499.80	161.84	60.61	19.63
75 x 250	68 x 234	15.91	72.61	6.11	620.57	180.34	67.53	19.63
75 x 275	68 x 258	17.54	97.32	6.76	754.39	198.83	74.46	19.63
75 x 300	68 x 282	19.18	127.08	7.39	901.27	217.33	81.39	19.63
100 x 100	92 x 92	8.46	5.97	5.97	127.78	129.78	26.55	26.55
100 x 125	92 x 115	10.58	11.66	7.46	202.78	162.23	33.19	26.55
100 x 150	92 x 139	12.79	20.59	9.02	296.26	196.08	40.12	26.55
100 x 175	92 x 163	15.00	33.20	10.58	407.39	229.94	47.04	26.55
100 x 200	92 x 187	17.20	50.13	12.13	536.19	263.79	53.97	26.55
100 x 225	92 x 210	19.32	71.00	13.63	676.20	296.24	60.61	26.55
100 x 250	92 x 234	21.53	98.23	15.18	839.59	330.10	67.53	26.55
100 x 275	92 x 258	23.74	131.66	16.74	1020.65	363.95	74.46	26.55
100 x 300	92 x 282	25.94	171.93	18.30	1219.37	397.81	81.39	26.55
125 x 125	115 x 115	13.23	14.58	14.58	253.48	253.48	33.19	33.19
125 x 150	115 x 139	15.99	25.74	17.62	370.32	306.38	40.12	33.19
125 x 175	115 x 163	18.75	41.50	20.66	509.24	359.28	47.40	33.19
125 x 200	115 x 187	21.51	62.67	23.70	670.24	412.18	53.97	33.19
125 x 225	115 x 210	24.15	88.75	26.62	845.25	462.87	60.61	33.19
125 x 250	115 x 234	26.91	122.79	29.66	1049.49	515.77	67.53	33.19
125 x 275	115 x 258	26.67	164.58	32.70	1275.81	568.67	74.46	33.19
125 x 300	115 x 282	32.43	214.91	35.74	1524.21	621.57	81.39	33.19
150 x 150	139 x 139	19.32	31.11	31.11	447.60	447.60	40.12	40.12
150 x 175	139 x 163	22.66	50.16	36.48	615.52	524.89	47.04	40.12
150 x 200	139 x 187	26.00	75.75	41.85	810.11	602.17	53.97	40.12
150 x 225	139 x 210	29.19	107.27	47.00	1021.65	676.23	60.61	40.12
150 x 250	139 x 234	32.53	148.42	52.37	1268.51	753.52	67.53	40.12
150 x 275	139 x 258	35.86	198.93	57.74	1542.07	830.80	74.46	40.12
150 x 300	139 x 282	39.20	259.77	63.11	1842.31	908.09	81.39	40.12

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Table A.3 (concluded)

Nominal size	Minimum size	Area	Second moment of area		Section modulus		Radius of gyration	
			About x-x	About y-y	About x-x	About y-y	About x-x	About y-y
mm	mm	10 ³ mm ²	10 ⁶ mm ⁴	10 ⁶ mm ⁴	10 ³ mm ³	10 ³ mm ³	mm	mm
175 x 175	163 x 163	26.57	58.83	58.83	721.79	721.79	47.04	47.04
175 x 200	163 x 187	30.48	88.82	67.49	949.99	828.07	58.97	47.04
175 x 225	163 x 210	34.23	125.80	75.79	1198.05	929.91	60.61	47.04
175 x 250	163 x 234	38.14	174.04	84.45	1487.54	1036.19	67.53	47.04
175 x 275	163 x 258	42.05	233.27	93.11	1808.32	1142.47	74.46	47.04
175 x 300	163 x 282	45.97	304.62	101.77	2160.40	1248.74	81.39	47.04
200 x 200	187 x 187	34.97	101.90	101.90	1089.87	1089.87	53.97	53.97
200 x 225	187 x 210	39.27	144.32	114.44	1374.45	1223.91	60.61	53.97
200 x 250	187 x 234	43.76	199.67	127.51	1706.56	1363.79	67.53	53.97
200 x 275	187 x 258	48.25	267.62	140.59	2074.58	1503.67	74.46	53.97
200 x 300	187 x 282	52.73	349.47	153.67	2478.50	1643.54	81.39	53.97
225 x 225	210 x 210	44.10	162.07	162.07	1543.50	1543.60	60.61	60.61
225 x 250	210 x 234	49.14	224.23	180.59	1916.46	1719.90	67.53	60.61
225 x 275	210 x 258	54.18	300.54	199.11	2329.74	1896.30	74.46	60.61
225 x 300	210 x 282	59.22	392.45	217.63	2783.34	2072.70	81.39	60.61
250 x 250	234 x 234	54.76	249.85	249.85	2135.48	2135.48	67.53	67.53
250 x 275	234 x 258	60.37	334.88	275.48	2596.00	2354.51	74.46	67.53
250 x 300	234 x 282	65.99	437.30	301.10	3101.44	2573.53	81.39	67.53
275 x 275	258 x 258	66.56	369.23	369.23	2862.25	2862.25	74.46	74.46
275 x 300	258 x 282	72.76	482.15	403.58	3419.53	3128.51	81.39	74.46
300 x 300	282 x 282	79.52	527.01	527.01	3737.63	3737.63	81.39	81.39