

Cold Formed Square Hollow Section

AS 1163

Designation		Weight	Cross Sectional Area	Second Moment of Area	Radius of Gyration	Elastic Modulus	Plastic Modulus	Torsional inertia constant	Torsional modulus constant	Superficial Area per metre length	Nominal Length per tonne	Ratio for Local Buckling
Size	Thickness											
$B \times B$	T	M	A	I	i	W_{el}	W_{pl}	L_t	C_t	A_s	L	Flange
mm	mm	Kg/m	cm ²	cm ⁴	cm	cm ³	cm ³	cm ⁴	cm ³	m ² /m	m	B/T
19 × 19	1.6	0.822	1.05	0.51	0.70	0.54	0.67	0.88	0.82	0.07	1215.92	6.88
20 × 20	1.6	0.873	1.11	0.61	0.74	0.61	0.75	1.03	0.92	0.07	1145.92	7.50
20 × 20	2.0	1.050	1.34	0.69	0.72	0.69	0.88	1.21	1.06	0.07	952.80	5.00
25 × 25	1.6	1.124	1.43	1.28	0.94	1.02	1.24	2.12	1.54	0.09	889.79	10.63
25 × 25	2.0	1.364	1.74	1.48	0.92	1.19	1.47	2.53	1.80	0.09	733.39	7.50
25 × 25	2.3	1.532	1.95	1.61	0.91	1.29	1.62	2.80	1.97	0.09	652.55	5.87
25 × 25	2.5	1.640	2.09	1.69	0.90	1.35	1.71	2.97	2.07	0.09	609.79	5.00
25 × 25	3.0	1.890	2.41	1.84	0.87	1.47	1.91	3.33	2.27	0.09	528.97	3.33
30 × 30	1.6	1.375	1.75	2.31	1.15	1.54	1.84	3.77	2.32	0.11	727.24	13.75
30 × 30	2.0	1.678	2.14	2.72	1.13	1.81	2.21	4.54	2.75	0.11	596.11	10.00
30 × 30	2.3	1.894	2.41	2.99	1.11	2.00	2.45	5.07	3.03	0.11	528.11	8.04
30 × 30	2.5	2.032	2.59	3.16	1.10	2.10	2.61	5.40	3.20	0.11	492.03	7.00
30 × 30	3.0	2.361	3.01	3.50	1.08	2.34	2.96	6.15	3.58	0.11	423.47	5.00
32 × 32	1.6	1.476	1.88	2.84	1.23	1.78	2.12	4.62	2.68	0.12	677.72	15.00
32 × 32	1.8	1.641	2.09	3.11	1.22	1.95	2.33	5.11	2.94	0.12	609.23	12.78
32 × 32	2.0	1.803	2.30	3.36	1.21	2.10	2.54	5.58	3.18	0.12	554.59	11.00
32 × 32	2.3	2.038	2.60	3.71	1.20	2.32	2.84	6.24	3.52	0.12	490.68	8.91
32 × 32	2.5	2.189	2.79	3.92	1.19	2.45	3.02	6.66	3.72	0.12	456.75	7.80
32 × 32	3.0	2.550	3.25	4.38	1.16	2.74	3.44	7.62	4.18	0.12	392.18	5.67
32 × 32	3.2	2.618	3.33	4.31	1.14	2.69	3.45	7.86	4.26	0.11	382.00	3.50
35 × 35	1.6	1.626	2.07	3.79	1.35	2.16	2.57	6.11	3.26	0.13	614.91	16.88
35 × 35	2.0	1.992	2.54	4.51	1.33	2.58	3.09	7.41	3.89	0.13	502.12	12.50
35 × 35	2.3	2.255	2.87	4.99	1.32	2.85	3.46	8.31	4.32	0.13	443.53	10.22
35 × 35	2.5	2.425	3.09	5.29	1.31	3.02	3.69	8.89	4.58	0.13	412.39	9.00
35 × 35	3.0	2.832	3.61	5.95	1.28	3.40	4.23	10.22	5.18	0.13	353.05	6.67
38 × 38	1.6	1.777	2.26	4.92	1.47	2.59	3.06	7.90	3.90	0.15	562.75	18.75
38 × 38	2.0	2.180	2.78	5.88	1.46	3.10	3.70	9.60	4.67	0.15	458.73	14.00
38 × 38	2.3	2.471	3.15	6.54	1.44	3.44	4.15	10.80	5.20	0.14	404.64	11.52
38 × 38	2.5	2.660	3.39	6.94	1.43	3.65	4.44	11.56	5.53	0.14	375.88	10.20
38 × 38	3.0	3.115	3.97	7.85	1.41	4.13	5.10	13.35	6.28	0.14	321.02	7.67
38 × 38	4.0	3.839	4.89	8.76	1.34	4.61	5.95	16.13	7.33	0.13	260.48	3.00
40 × 40	1.6	1.877	2.39	5.79	1.56	2.90	3.41	9.27	4.36	0.15	532.63	20.00
40 × 40	1.9	2.200	2.80	6.66	1.54	3.33	3.96	10.79	5.02	0.15	454.53	16.05
40 × 40	2.0	2.306	2.94	6.94	1.54	3.47	4.13	11.28	5.23	0.15	433.74	15.00
40 × 40	2.3	2.616	3.33	7.73	1.52	3.86	4.64	12.70	5.83	0.15	382.30	12.39
40 × 40	2.5	2.817	3.59	8.22	1.51	4.11	4.97	13.61	6.21	0.15	354.94	11.00
40 × 40	3.0	3.303	4.21	9.32	1.49	4.66	5.72	15.75	7.07	0.15	302.71	8.33
40 × 40	4.0	4.090	5.21	10.52	1.42	5.26	6.74	19.20	8.33	0.14	244.48	3.50
50 × 50	1.6	2.380	3.03	11.71	1.96	4.68	5.46	18.48	7.03	0.19	420.19	26.25
50 × 50	1.9	2.797	3.56	13.55	1.95	5.42	6.37	21.61	8.15	0.19	357.57	21.32
50 × 50	2.0	2.934	3.74	14.15	1.95	5.66	6.66	22.63	8.51	0.19	340.89	20.00
50 × 50	2.3	3.338	4.25	15.86	1.93	6.34	7.52	25.61	9.55	0.19	299.58	16.74
50 × 50	2.5	3.602	4.59	16.94	1.92	6.78	8.07	27.53	10.22	0.19	277.59	15.00
50 × 50	3.0	4.245	5.41	19.47	1.90	7.79	9.39	32.13	11.76	0.19	235.55	11.67
50 × 50	4.0	5.346	6.81	22.87	1.83	9.15	11.38	40.28	14.28	0.18	187.04	6.00
50 × 50	4.5	5.883	7.49	24.41	1.80	9.76	12.32	43.77	15.34	0.18	169.97	4.61
50 × 50	5.0	6.391	8.14	25.69	1.78	10.28	13.16	46.87	16.26	0.18	156.47	3.50
50 × 50	6.0	7.319	9.32	27.53	1.72	11.01	14.53	51.85	17.68	0.17	136.63	1.83
60 × 60	1.6	2.882	3.67	20.68	2.37	6.89	7.99	32.38	10.35	0.23	346.95	32.50
60 × 60	2.3	4.060	5.17	28.31	2.34	9.44	11.09	45.16	14.19	0.23	246.30	21.09
60 × 60	2.5	4.387	5.59	30.34	2.33	10.11	11.93	48.66	15.22	0.23	227.93	19.00
60 × 60	3.0	5.187	6.61	35.13	2.31	11.71	13.95	57.09	17.65	0.23	192.77	15.00
60 × 60	4.0	6.602	8.41	42.30	2.24	14.10	17.23	72.68	21.82	0.22	151.46	8.50
60 × 60	4.5	7.296	9.29	45.62	2.22	15.21	18.79	79.62	23.66	0.22	137.06	6.83

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Size	Thickness											
$B \times B$	T	M	A	I	i	W_{el}	W_{pl}	L_t	C_t	A_s	L	Flange
mm	mm	Kg/m	cm ²	cm ⁴	cm	cm ³	cm ³	cm ⁴	cm ³	m ² /m	m	B/T
64 × 64	2.3	4.349	5.54	34.71	2.50	10.85	12.71	55.15	16.31	0.25	229.94	22.83
64 × 64	3.0	5.564	7.09	43.22	2.47	13.51	16.03	69.88	20.34	0.25	179.72	16.33
64 × 64	4.0	7.105	9.05	52.42	2.41	16.38	19.90	89.35	25.29	0.24	140.75	9.50
64 × 64	4.5	7.862	10.01	56.71	2.38	17.72	21.76	98.10	27.49	0.24	127.20	7.72
64 × 64	5.0	8.589	10.94	60.54	2.35	18.92	23.48	106.26	29.49	0.23	116.43	6.30
64 × 64	6.0	9.957	12.68	66.90	2.30	20.90	26.52	120.73	32.94	0.23	100.43	4.17
65 × 65	1.6	3.133	3.99	26.52	2.58	8.16	9.44	41.38	12.25	0.25	319.14	35.63
65 × 65	2.0	3.876	4.94	32.31	2.56	9.94	11.58	50.92	14.93	0.25	258.03	27.50
65 × 65	2.3	4.421	5.63	36.45	2.54	11.21	13.13	57.86	16.86	0.25	226.18	23.26
65 × 65	2.5	4.780	6.09	39.10	2.53	12.03	14.14	62.39	18.10	0.25	209.21	21.00
65 × 65	3.0	5.658	7.21	45.42	2.51	13.97	16.57	73.35	21.85	0.25	176.73	16.67
65 × 65	4.0	7.230	9.21	55.18	2.45	16.98	20.60	93.88	26.19	0.24	138.31	9.75
65 × 65	4.5	8.003	10.19	59.73	2.42	18.38	22.53	103.13	28.49	0.24	124.96	7.94
65 × 65	5.0	8.746	11.14	63.82	2.39	19.64	24.32	111.77	30.59	0.24	114.34	6.50
65 × 65	6.0	10.145	12.92	70.63	2.34	21.73	27.51	127.15	34.20	0.23	98.57	4.33
70 × 70	2.5	5.172	6.59	49.41	2.74	14.12	16.54	78.49	21.22	0.27	193.33	23.00
70 × 70	3.0	6.129	7.81	57.53	2.71	16.44	19.42	92.42	24.74	0.27	163.15	18.33
70 × 70	4.0	7.858	10.01	70.42	2.65	20.12	24.27	118.80	30.96	0.26	127.25	11.00
70 × 70	5.0	9.531	12.14	81.98	2.60	23.42	28.80	142.12	36.36	0.26	104.92	7.50
70 × 70	6.0	11.087	14.12	91.36	2.54	26.10	32.74	162.58	40.90	0.25	90.19	5.17
70 × 70	6.3	11.531	14.69	93.77	2.53	26.79	33.80	168.14	42.10	0.25	86.72	6.11
75 × 75	1.6	3.636	4.63	41.29	2.99	11.01	12.69	64.09	16.52	0.29	275.04	41.88
75 × 75	2.3	5.143	6.55	57.10	2.95	15.23	17.74	89.98	22.88	0.29	194.42	27.61
75 × 75	2.5	5.565	7.09	61.38	2.94	16.37	19.12	97.13	24.60	0.29	179.70	25.00
75 × 75	3.0	6.600	8.41	71.62	2.92	19.10	22.49	114.54	28.73	0.29	151.50	20.00
75 × 75	4.0	8.486	10.81	88.24	2.86	23.53	28.24	147.76	36.13	0.28	117.84	12.25
75 × 75	4.5	9.416	11.99	96.09	2.83	25.62	31.03	163.00	39.49	0.28	106.20	10.17
75 × 75	5.0	10.316	13.14	103.28	2.80	27.54	33.65	177.45	42.62	0.28	96.94	8.50
75 × 75	6.0	12.029	15.32	115.79	2.75	30.88	38.41	203.93	48.19	0.27	83.13	6.00
80 × 80	2.3	5.505	7.01	69.86	3.16	17.46	20.30	109.74	26.23	0.31	181.67	29.78
80 × 80	3.0	7.071	9.01	87.84	3.12	21.96	25.78	139.93	33.02	0.31	141.41	21.67
80 × 80	4.0	9.114	11.61	108.83	3.06	27.21	32.52	181.04	41.69	0.30	109.72	13.50
80 × 80	4.5	10.122	12.89	118.78	3.04	29.69	35.78	200.03	45.67	0.30	98.79	11.28
80 × 80	5.0	11.101	14.14	127.98	3.01	31.99	38.87	218.14	49.39	0.30	90.08	9.50
80 × 80	6.0	12.971	16.52	144.20	2.95	36.05	44.54	251.64	56.08	0.29	77.09	6.83
89 × 89	3.0	7.919	10.09	122.89	3.49	27.62	32.28	194.59	41.50	0.35	126.27	24.67
89 × 89	4.0	10.245	13.05	153.51	3.43	34.50	40.96	252.81	52.72	0.34	97.61	15.75
89 × 89	4.5	11.394	14.51	168.12	3.40	37.78	45.19	279.98	57.92	0.34	87.77	13.28
89 × 89	5.0	12.514	15.94	181.78	3.38	40.85	49.21	306.09	62.82	0.33	79.91	11.30
89 × 89	6.0	14.667	18.68	206.33	3.32	46.37	56.70	355.00	71.79	0.33	68.18	8.33
90 × 90	2.3	6.227	7.98	100.79	3.56	22.40	25.93	157.53	33.63	0.35	160.60	34.13
90 × 90	3.0	8.015	10.21	127.28	3.53	28.29	33.04	201.42	42.51	0.35	124.79	25.00
90 × 90	4.0	10.370	13.21	159.12	3.47	35.36	41.96	261.79	54.03	0.34	96.43	16.00
90 × 90	4.5	11.535	14.69	174.32	3.44	38.74	46.30	289.99	59.37	0.34	86.69	13.50
90 × 90	5.0	12.671	16.14	188.55	3.42	41.90	50.44	317.10	64.41	0.34	78.92	11.50
90 × 90	6.0	14.855	18.92	214.17	3.36	47.59	58.14	367.96	73.65	0.33	67.32	8.50
90 × 90	6.3	15.488	19.73	221.13	3.35	49.14	60.30	382.33	76.21	0.33	64.57	9.29
90 × 90	8.0	18.873	24.04	254.59	3.25	56.58	71.27	455.59	88.83	0.33	52.98	6.25
100 × 100	2.3	6.949	8.85	139.73	3.97	27.95	32.26	217.48	41.95	0.39	143.91	38.48
100 × 100	3.0	8.955	11.41	177.05	3.94	35.41	41.21	278.68	53.19	0.39	111.66	28.33
100 × 100	4.0	11.626	14.81	222.89	3.88	44.58	52.61	363.45	67.96	0.38	86.01	18.50
100 × 100	4.5	12.948	16.49	244.90	3.85	48.98	58.17	403.37	74.86	0.38	77.23	15.72
100 × 100	5.0	14.241	18.14	265.69	3.83	53.14	63.51	441.98	81.43	0.38	70.22	13.50
100 × 100	6.0	16.739	21.32	303.68	3.77	60.74	73.54	515.15	93.61	0.37	59.74	10.17
100 × 100	6.3	17.466	22.25	314.17	3.76	62.83	76.38	536.02	97.02	0.37	57.25	10.87
100 × 100	8.0	21.385	27.24	365.94	3.67	73.19	91.05	644.51	114.23	0.37	46.76	7.50
100 × 100	9.0	23.533	29.98	390.56	3.61	78.11	98.56	700.28	122.75	0.36	42.49	6.11

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mm	mm	Kg/m	cm ²	cm ⁴	cm	cm ³	cm ³	cm ⁴	cm ³	m ² /m	m	B/T
120 × 120	2.3	8.393	10.69	245.28	4.79	40.88	46.99	379.43	61.34	0.47	119.14	47.17
120 × 120	3.0	10.839	13.81	312.35	4.76	52.06	60.24	487.72	78.15	0.47	92.26	35.00
120 × 120	4.0	14.138	18.01	397.30	4.70	66.22	77.50	639.12	100.61	0.46	70.73	23.50
120 × 120	4.5	15.774	20.09	438.40	4.67	73.07	85.96	711.25	111.24	0.46	63.39	20.17
120 × 120	5.0	17.381	22.14	477.69	4.64	79.61	94.15	781.54	121.47	0.46	57.53	17.50
120 × 120	6.0	20.507	26.12	550.94	4.59	91.82	109.75	916.50	140.72	0.45	48.76	13.50
120 × 120	6.3	21.422	27.29	571.55	4.58	95.26	114.22	955.49	146.19	0.45	46.68	14.05
120 × 120	8.0	26.409	33.64	676.88	4.49	112.81	137.81	1162.95	174.58	0.45	37.87	10.00
120 × 120	9.0	29.185	37.18	729.99	4.43	121.66	150.31	1273.93	189.28	0.44	34.26	8.33
125 × 125	3.0	11.310	14.41	354.50	4.96	56.72	65.56	552.66	85.14	0.49	88.41	36.67
125 × 125	4.0	14.766	18.81	451.83	4.90	72.29	84.47	724.86	109.77	0.48	67.72	24.75
125 × 125	4.5	16.481	20.99	498.98	4.88	79.84	93.75	807.08	121.46	0.48	60.68	21.28
125 × 125	5.0	18.166	23.14	544.17	4.85	87.07	102.75	887.33	132.72	0.48	55.05	18.50
125 × 125	6.0	21.449	27.32	628.72	4.80	100.59	119.92	1041.75	153.99	0.47	46.62	14.33
125 × 125	6.3	22.411	28.55	652.59	4.78	104.41	124.86	1086.46	160.05	0.47	44.62	14.84
125 × 125	8.0	27.665	35.24	775.32	4.69	124.05	151.00	1325.35	191.66	0.47	36.15	10.63
125 × 125	9.0	30.598	38.98	837.82	4.64	134.05	164.94	1453.99	208.15	0.46	32.68	8.89
140 × 140	4.0	16.650	21.21	644.84	5.51	92.12	107.19	1027.25	139.66	0.54	60.06	28.50
140 × 140	5.0	20.521	26.14	779.96	5.46	111.42	130.79	1260.82	169.49	0.54	48.73	21.50
140 × 140	6.0	24.275	30.92	905.16	5.41	129.31	153.15	1484.48	197.41	0.53	41.19	16.83
140 × 140	6.3	25.379	32.33	940.82	5.39	134.40	159.62	1549.60	205.42	0.53	39.40	17.22
140 × 140	8.0	31.433	40.04	1126.77	5.30	160.97	194.18	1900.84	247.69	0.53	31.81	12.50
140 × 140	10.0	38.125	48.57	1311.67	5.20	187.38	230.38	2273.90	290.85	0.52	26.23	9.00
140 × 140	12.0	44.349	56.50	1461.83	5.09	208.83	261.89	2601.25	327.20	0.51	22.55	7.67
140 × 140	12.5	45.832	58.38	1494.17	5.06	213.45	269.04	2675.68	335.25	0.51	21.82	7.20
150 × 150	3.0	13.665	17.41	622.73	5.98	83.03	95.53	964.61	124.60	0.59	73.18	45.00
150 × 150	4.0	17.906	22.81	800.04	5.92	106.67	123.83	1269.49	161.58	0.58	55.85	31.00
150 × 150	4.5	20.013	25.49	886.46	5.90	118.19	137.77	1416.31	179.31	0.58	49.97	26.83
150 × 150	5.0	22.091	28.14	969.96	5.87	129.33	151.36	1560.35	196.50	0.58	45.27	23.50
150 × 150	6.0	26.159	33.32	1128.38	5.82	150.45	177.55	1839.96	229.35	0.57	38.23	18.50
150 × 150	6.3	27.357	34.85	1173.71	5.80	156.49	185.15	1921.60	238.81	0.57	36.55	18.81
150 × 150	8.0	33.945	43.24	1411.83	5.71	188.24	225.96	2364.08	289.03	0.57	29.46	13.75
150 × 150	9.0	37.663	47.98	1537.39	5.66	204.99	248.20	2607.94	315.95	0.56	26.55	11.67
150 × 150	12.5	49.757	63.38	1896.50	5.47	252.87	316.05	3360.38	395.56	0.55	20.10	8.00
160 × 160	4.0	19.162	24.41	978.33	6.33	122.29	141.68	1547.04	185.11	0.62	52.19	33.50
160 × 160	5.0	23.661	30.14	1188.53	6.28	148.57	173.43	1903.82	225.51	0.62	42.26	25.50
160 × 160	6.0	28.043	35.72	1385.55	6.23	173.19	203.75	2247.90	263.69	0.61	35.66	20.17
160 × 160	6.3	29.335	37.37	1442.13	6.21	180.27	212.57	2348.60	274.71	0.61	34.09	20.40
160 × 160	8.0	36.457	46.44	1741.23	6.12	217.65	260.14	2896.58	333.56	0.61	27.43	15.00
160 × 160	10.0	44.405	56.57	2047.67	6.02	255.96	310.95	3490.29	395.10	0.60	22.52	11.00
160 × 160	12.0	51.885	66.10	2307.12	5.91	288.39	356.30	4026.25	448.66	0.59	19.27	9.33
160 × 160	12.5	53.682	68.38	2364.91	5.88	295.61	366.80	4150.90	460.83	0.59	18.63	8.80
160 × 160	16.0	65.445	83.37	2694.03	5.68	336.75	431.10	4914.18	532.89	0.57	15.28	6.00
178 × 178	4.0	21.423	27.29	1362.53	7.07	153.09	176.83	2143.29	231.48	0.69	46.68	38.00
178 × 178	4.5	23.970	30.53	1513.51	7.04	170.06	197.09	2394.72	257.44	0.69	41.72	33.06
178 × 178	5.0	26.487	33.74	1660.33	7.01	186.55	216.94	2642.33	282.76	0.69	37.75	29.10
178 × 178	6.0	31.434	40.04	1941.65	6.96	218.16	255.45	3125.87	331.54	0.69	31.81	23.17
178 × 178	9.0	45.576	58.06	2689.90	6.81	302.24	361.49	4479.68	463.32	0.67	21.94	14.78
180 × 180	4.0	21.674	27.61	1410.56	7.15	156.73	180.97	2217.69	236.95	0.70	46.14	38.50
180 × 180	4.5	24.252	30.89	1567.09	7.12	174.12	201.73	2478.06	263.56	0.70	41.23	33.50
180 × 180	5.0	26.801	34.14	1719.37	7.10	191.04	222.08	2734.53	289.53	0.70	37.31	29.50
180 × 180	6.0	31.811	40.52	2011.31	7.05	223.48	261.56	3235.55	339.56	0.69	31.44	23.50
180 × 180	6.3	33.292	42.41	2095.65	7.03	232.85	273.09	3382.71	354.08	0.69	30.04	23.57
180 × 180	8.0	41.481	52.84	2545.86	6.94	282.87	335.70	4188.56	432.21	0.69	24.11	17.50
180 × 180	9.0	46.141	58.78	2789.12	6.89	309.90	370.39	4639.77	474.93	0.68	21.67	15.00

Cold Formed Square Hollow Section

AS 1163

Designation		Weight	Cross Sectional Area	Second Moment of Area	Radius of Gyration	Elastic Modulus	Plastic Modulus	Torsional inertia constant	Torsional modulus constant	Superficial Area per metre length	Nominal Length per tonne	Ratio for Local Buckling
Size	Thickness											
$B \times B$	T	M	A	I	i	W_{el}	W_{pl}	L_t	C_t	A_s	L	Flange
mm	mm	Kg/m	cm ²	cm ⁴	cm	cm ³	cm ³	cm ⁴	cm ³	m ² /m	m	B/T
200 × 200	4.0	24.186	30.81	1954.33	7.96	195.43	225.06	3058.40	295.20	0.78	41.35	43.50
200 × 200	4.5	27.078	34.49	2174.07	7.94	217.41	251.12	3420.06	328.73	0.78	36.93	37.94
200 × 200	5.0	29.941	38.14	2388.50	7.91	238.85	276.72	3776.96	361.54	0.78	33.40	33.50
200 × 200	6.0	35.579	45.32	2801.64	7.86	280.16	326.56	4476.23	425.02	0.77	28.11	26.83
200 × 200	6.3	37.248	47.45	2921.53	7.85	292.15	341.16	4682.19	443.52	0.77	26.85	26.75
200 × 200	8.0	46.505	59.24	3566.25	7.76	356.63	420.86	5815.18	543.64	0.77	21.50	20.00
200 × 200	9.0	51.793	65.98	3918.45	7.71	391.85	465.35	6453.98	598.88	0.76	19.31	17.22
200 × 200	10.0	56.965	72.57	4251.06	7.65	425.11	508.08	7071.73	651.48	0.76	17.55	15.00
200 × 200	12.0	66.957	85.30	4858.92	7.55	485.89	588.33	8242.39	748.91	0.75	14.93	12.67
200 × 200	12.5	69.382	88.38	4999.19	7.52	499.92	607.32	8521.22	771.69	0.75	14.41	12.00
200 × 200	16.0	85.541	108.97	5855.11	7.33	585.51	728.40	10312.15	913.87	0.73	11.69	8.50
220 × 220	5.0	33.081	42.14	3211.91	8.73	291.99	337.36	5055.11	441.55	0.86	30.23	37.50
220 × 220	6.0	39.347	50.12	3775.73	8.68	343.25	398.76	5998.75	520.08	0.85	25.41	30.17
220 × 220	6.3	41.204	52.49	3939.93	8.66	358.18	416.80	6277.27	543.03	0.85	24.27	29.92
220 × 220	8.0	51.529	65.64	4828.01	8.58	438.91	515.62	7814.84	667.86	0.85	19.41	22.50
220 × 220	10.0	63.245	80.57	5782.46	8.47	525.68	624.65	9532.77	803.62	0.84	15.81	17.00
220 × 220	12.0	74.493	94.90	6642.23	8.37	603.84	725.95	11148.70	927.76	0.83	13.42	14.33
220 × 220	12.5	77.232	98.38	6842.74	8.34	622.07	750.08	11536.29	957.02	0.83	12.95	13.60
220 × 220	16.0	95.589	121.77	8090.23	8.15	735.48	905.85	14059.17	1142.53	0.81	10.46	9.75
250 × 250	5.0	37.791	48.14	4771.31	9.96	381.70	439.57	7466.80	576.56	0.98	26.46	43.50
250 × 250	6.0	44.999	57.32	5623.44	9.90	449.87	520.57	8873.96	680.66	0.97	22.22	35.17
250 × 250	6.3	47.139	60.05	5872.62	9.89	469.81	544.43	9290.29	711.19	0.97	21.21	34.68
250 × 250	8.0	59.065	75.24	7229.20	9.80	578.34	675.77	11597.77	878.18	0.97	16.93	26.25
250 × 250	9.0	65.923	83.98	7983.75	9.75	638.70	750.00	12913.31	971.70	0.96	15.17	22.78
250 × 250	10.0	72.665	92.57	8706.67	9.70	696.53	822.00	14197.22	1061.80	0.96	13.76	20.00
250 × 250	12.0	85.797	109.30	10059.44	9.59	804.76	959.37	16667.93	1231.94	0.95	11.66	16.83
250 × 250	12.5	89.007	113.38	10378.57	9.57	830.29	992.35	17264.98	1272.42	0.95	11.24	16.00
250 × 250	16.0	110.661	140.97	12405.16	9.38	992.41	1208.03	21205.61	1533.30	0.93	9.04	11.63
260 × 260	6.0	46.883	59.72	6352.02	10.31	488.62	564.77	10004.48	738.99	1.01	21.33	36.83
260 × 260	6.3	49.117	62.57	6634.95	10.30	510.38	590.75	10475.19	772.29	1.01	20.36	36.27
260 × 260	8.0	61.577	78.44	8178.02	10.21	629.08	733.95	13086.86	954.68	1.01	16.24	27.50
260 × 260	10.0	75.805	96.57	9864.65	10.11	758.82	893.78	16035.47	1155.85	1.00	13.19	21.00
260 × 260	12.0	89.565	114.10	11445.65	10.00	878.13	1044.38	18845.75	1342.92	0.99	11.17	17.67
260 × 260	12.5	92.932	118.38	11782.65	9.98	906.36	1080.60	19526.17	1387.54	0.99	10.76	16.80
260 × 260	16.0	115.685	147.37	14125.66	9.79	1086.59	1318.35	24033.07	1676.32	0.97	8.64	12.25
300 × 300	6.0	54.419	69.32	9893.78	11.95	659.59	759.58	15483.15	996.30	1.17	18.38	43.50
300 × 300	6.3	57.030	72.65	10341.99	11.93	689.47	794.94	16218.39	1041.86	1.17	17.53	42.62
300 × 300	9.0	80.053	101.98	14183.28	11.79	945.55	1102.14	22660.93	1434.44	1.16	12.49	28.33
300 × 300	12.0	104.637	133.30	18054.16	11.64	1203.61	1420.41	29439.36	1834.79	1.15	9.56	21.00
300 × 300	12.5	108.632	138.38	18659.63	11.61	1243.98	1471.12	30529.02	1897.94	1.15	9.21	20.00
300 × 300	16.0	135.781	172.97	22589.33	11.43	1505.96	1807.65	37825.33	2312.20	1.13	7.36	14.75
350 × 350	6.0	63.839	81.32	15912.68	13.99	909.30	1043.59	24753.78	1371.92	1.37	15.66	51.83
350 × 350	6.3	66.921	85.25	16644.63	13.97	951.12	1092.71	25939.00	1435.51	1.37	14.94	50.56
350 × 350	8.0	84.185	107.24	20680.70	13.89	1181.75	1365.58	32557.38	1787.14	1.37	11.88	38.75
350 × 350	9.0	94.183	119.98	22967.05	13.84	1312.40	1521.79	36371.83	1987.15	1.36	10.62	33.89
350 × 350	10.0	104.065	132.57	25189.14	13.78	1439.38	1674.83	40127.03	2182.18	1.36	9.61	30.00
350 × 350	12.0	123.477	157.30	29443.07	13.68	1682.46	1971.45	47456.63	2557.51	1.35	8.10	25.17
350 × 350	12.5	128.257	163.38	30467.38	13.66	1740.99	2043.65	49250.80	2648.32	1.35	7.80	24.00
350 × 350	16.0	160.901	204.97	37207.63	13.47	2126.15	2527.28	61371.12	3250.77	1.33	6.21	17.88