SQUARE HOLLOW SECTIONS

ASTM A - 500

Designation		Weight	Cross Sectional Area	Second Moment of Area	Radius of Gyration	Elastic Modulus	Plastic Modulus	Torsional inertia contant	Torsional modulus contant	Superficial Area per metre length	Nominal Length per tonne	Ratio for Local Buckling
Size	Thickness											
B × B	*T*	*M*	*A*	*I*	*r*	*Z*	*S*	*J*	*C*	*As*	*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	1215.88	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
	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	1.160	1.43	1.28	0.94	1.02	1.24	2.12	1.54	0.09	889.79	10.63
	2.0	1.364	1.74	1.48	0.92	1.19	1.47	2.53	1.80	0.09	733.39	7.50
	2.3	1.600	1.95	1.61	0.91	1.29	1.62	2.80	1.97	0.09	652.55	5.87
	2.5	1.640	2.09	1.69	0.90	1.35	1.71	2.97	2.07	0.09	609.79	5.00
	3.0	2.010	2.41	1.84	0.87	1.47	1.91	3.33	2.27	0.09	528.97	3.33
30 × 30	1.6	1.410	1.75	2.31	1.15	1.54	1.84	3.77	2.32	0.11	727.24	13.75
	2.0	1.678	2.14	2.72	1.13	1.81	2.21	4.54	2.75	0.11	596.11	10.00
	2.3	1.970	2.41	2.99	1.11	2.00	2.45	5.07	3.03	0.11	528.11	8.04
	2.5	2.032	2.59	3.16	1.10	2.10	2.61	5.40	3.20	0.11	492.03	7.00
	3.0	2.480	3.01	3.50	1.08	2.34	2.96	6.15	3.58	0.11	423.47	5.00
32 × 32	1.6	1.510	1.88	2.84	1.23	1.78	2.12	4.62	2.68	0.12	677.72	15.00
	1.8	1.690	2.09	3.11	1.22	1.95	2.33	5.11	2.94	0.12	609.23	12.78
	2.0	1.860	2.30	3.36	1.21	2.10	2.54	5.58	3.18	0.12	554.59	11.00
	2.3	2.110	2.60	3.71	1.20	2.32	2.84	6.24	3.52	0.12	490.68	8.91
	2.5	2.189	2.79	3.92	1.19	2.45	3.02	6.66	3.72	0.12	456.75	7.80
	3.0	2.670	3.25	4.38	1.16	2.74	3.44	7.62	4.18	0.12	392.18	5.67
	3.2	2.830	3.42	4.54	1.15	2.84	3.59	7.96	4.34	0.12	372.19	5.00
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
	2.0	1.992	2.54	4.51	1.33	2.58	3.09	7.41	3.89	0.13	502.12	12.50
	2.3	2.255	2.87	4.99	1.32	2.85	3.46	8.31	4.32	0.13	443.53	10.22
	2.5	2.425	3.09	5.29	1.31	3.02	3.69	8.89	4.58	0.13	412.39	9.00
	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	1.810	2.26	4.92	1.47	2.59	3.06	7.90	3.90	0.15	562.75	18.75
	2.0	2.230	2.78	5.88	1.46	3.10	3.70	9.60	4.67	0.15	458.73	14.00
	2.3	2.540	3.15	6.54	1.44	3.44	4.15	10.80	5.20	0.14	404.64	11.52
	2.5	2.660	3.39	6.94	1.43	3.65	4.44	11.56	5.53	0.14	375.88	10.20
	3.0	3.240	3.97	7.85	1.41	4.13	5.10	13.35	6.28	0.14	321.02	7.67
	4.0	3.947	5.03	9.26	1.36	4.87	6.22	16.38	7.48	0.14	253.36	4.50
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
	1.9	2.200	2.80	6.66	1.54	3.33	3.96	10.79	5.02	0.15	454.52	16.05
	2.0	2.306	2.94	6.94	1.54	3.47	4.13	11.28	5.23	0.15	433.73	15.00
	2.3	2.616	3.33	7.73	1.52	3.86	4.64	12.70	5.83	0.15	382.29	12.39
	2.5	2.817	3.59	8.22	1.51	4.11	4.97	13.61	6.21	0.15	354.93	11.00
	3.0	3.304	4.21	9.32	1.49	4.66	5.72	15.75	7.07	0.15	302.70	8.33
	4.0	4.198	5.35	11.07	1.44	5.54	7.01	19.44	8.48	0.15	238.19	5.00
50 × 50	1.6	2.410	3.03	11.71	1.96	4.68	5.46	18.48	7.03	0.19	420.19	26.25
	1.9	2.797	3.56	13.55	1.95	5.42	6.37	21.61	8.15	0.19	357.57	21.32
	2.0	2.934	3.74	14.15	1.95	5.66	6.66	22.63	8.51	0.19	340.89	20.00
	2.3	3.410	4.25	15.86	1.93	6.34	7.52	25.61	9.55	0.19	299.58	16.74
	2.5	3.602	4.59	16.94	1.92	6.78	8.07	27.53	10.22	0.19	277.59	15.00
	3.0	4.245	5.41	19.47	1.90	7.79	9.39	32.13	11.76	0.19	235.55	11.67
	4.0	5.454	6.95	23.74	1.85	9.49	11.73	40.42	14.43	0.19	183.35	7.50
	4.5	6.020	7.67	25.50	1.82	10.20	12.76	44.09	15.56	0.18	166.12	6.11
	5.0	6.560	8.36	27.04	1.80	10.82	13.70	47.46	16.56	0.18	152.45	5.00
	6.0	7.562	9.63	29.45	1.75	11.78	15.32	53.23	18.20	0.18	132.24	3.33
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
	2.3	4.060	5.17	28.31	2.34	9.44	11.09	45.16	14.19	0.23	246.29	21.09
	2.5	4.387	5.59	30.34	2.33	10.11	11.93	48.66	15.22	0.23	227.92	19.00
	3.0	5.187	6.61	35.13	2.31	11.71	13.95	57.09	17.65	0.23	192.77	15.00
	4.0	6.710	8.55	43.55	2.26	14.52	17.64	72.64	21.97	0.23	149.02	10.00
	4.5	7.433	9.47	47.20	2.23	15.73	19.32	79.76	23.87	0.22	134.54	8.33
64 × 64	2.3	4.349	5.54	34.71	2.50	10.85	12.71	55.15	16.31	0.25	229.93	22.83
	3.0	5.564	7.09	43.22	2.47	13.51	16.03	69.88	20.34	0.25	179.72	16.33
	4.0	7.213	9.19	53.84	2.42	16.82	20.34	89.22	25.44	0.24	138.64	11.00
	4.5	7.998	10.19	58.50	2.40	18.28	22.32	98.14	27.70	0.24	125.03	9.22
	5.0	8.758	11.16	62.75	2.37	19.61	24.17	106.55	29.79	0.24	114.18	7.80
	6.0	10.200	12.99	70.07	2.32	21.90	27.52	121.85	33.45	0.24	98.04	5.67

SQUARE HOLLOW SECTIONS

ASTM A - 500

Designation		Weight	Cross Sectional Area	Second Moment of Area	Radius of Gyration	Elastic Modulus	Plastic Modulus	Torsional inertia contant	Torsional modulus contant	Superficial Area per metre length	Nominal Length per tonne	Ratio for Local Buckling
Size	Thickness											
B × B	*T*	*M*	*A*	*I*	*r*	*Z*	*S*	*J*	*C*	*As*	*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*
65 × 65	1.6	3.133	3.99	26.52	2.58	8.16	9.44	41.38	12.25	0.25	319.13	35.63
	2.0	3.876	4.94	32.31	2.56	9.94	11.58	50.92	14.93	0.25	258.03	27.50
	2.3	4.421	5.63	36.45	2.54	11.21	13.13	57.86	16.86	0.25	226.18	23.26
	2.5	4.780	6.09	39.10	2.53	12.03	14.14	62.39	18.10	0.25	209.21	21.00
	3.0	5.659	7.21	45.42	2.51	13.97	16.57	73.35	21.05	0.25	176.72	16.67
	4.0	7.338	9.35	56.64	2.46	17.43	21.05	93.72	26.34	0.25	136.27	11.25
	4.5	8.139	10.37	61.59	2.44	18.95	23.10	103.14	28.70	0.24	122.86	9.44
	5.0	8.915	11.36	66.10	2.41	20.34	25.03	112.03	30.88	0.24	112.17	8.00
	6.0	10.388	13.23	73.91	2.36	22.74	28.53	128.23	34.72	0.24	96.26	5.83
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
	3.0	6.130	7.81	57.53	2.71	16.44	19.42	92.42	24.74	0.27	163.14	18.33
	4.0	7.966	10.15	72.12	2.67	20.61	24.76	118.52	31.11	0.27	125.53	12.50
	5.0	9.700	12.36	84.63	2.62	24.18	29.56	142.21	36.65	0.26	103.09	9.00
	6.0	11.330	14.43	95.17	2.57	27.19	33.83	163.49	41.41	0.26	88.26	6.67
	6.3	11.799	15.03	97.97	2.55	27.99	35.01	169.39	42.70	0.26	84.75	7.11
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
	2.3	5.144	6.55	57.10	2.95	15.23	17.74	89.98	22.88	0.29	194.42	27.61
	2.5	5.565	7.09	61.38	2.94	16.37	19.12	97.13	24.60	0.29	179.70	25.00
	3.0	6.601	8.41	71.62	2.92	19.10	22.49	114.54	28.73	0.29	151.50	20.00
	4.0	8.594	10.95	90.19	2.87	24.05	28.76	147.32	36.28	0.29	116.36	13.75
	4.5	9.552	12.17	98.55	2.85	26.28	31.68	162.68	39.71	0.28	104.68	11.67
	5.0	10.485	13.36	106.33	2.82	28.35	34.46	177.35	42.92	0.28	95.38	10.00
	6.0	12.272	15.63	120.16	2.77	32.04	39.58	204.62	48.70	0.28	81.49	7.50
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
	3.0	7.072	9.01	87.84	3.12	21.96	25.78	139.93	33.02	0.31	141.41	21.67
	4.0	9.222	11.75	111.04	3.07	27.76	33.07	180.44	41.84	0.31	108.43	15.00
	4.5	10.259	13.07	121.58	3.05	30.40	36.48	199.52	45.88	0.30	97.48	12.78
	5.0	11.270	14.36	131.44	3.03	32.86	39.74	217.83	49.68	0.30	88.73	11.00
	6.0	13.214	16.83	149.18	2.98	37.29	45.79	252.07	56.59	0.30	75.68	8.33
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
	4.0	10.353	13.19	156.25	3.44	35.11	41.58	251.87	52.87	0.34	96.59	17.25
	4.5	11.531	14.69	171.59	3.42	38.56	45.97	279.07	58.13	0.34	86.73	14.78
	5.0	12.683	16.16	186.07	3.39	41.81	50.18	305.30	63.11	0.34	78.85	12.80
	6.0	14.910	18.99	212.50	3.34	47.75	58.09	354.87	72.30	0.34	67.07	9.83
90 × 90	2.3	6.227	7.93	100.79	3.56	22.40	25.93	157.53	33.63	0.35	160.60	34.13
	3.0	8.014	10.21	127.28	3.53	28.29	33.04	201.42	42.51	0.35	124.79	25.00
	4.0	10.478	13.35	161.92	3.48	35.98	42.58	260.80	54.17	0.35	95.44	17.50
	4.5	11.672	14.87	177.87	3.46	39.53	47.09	289.02	59.58	0.34	85.68	15.00
	5.0	12.840	16.36	192.93	3.43	42.87	51.41	316.26	64.70	0.34	77.88	13.00
	6.0	15.098	19.23	220.48	3.39	48.99	59.54	367.76	74.16	0.34	66.23	10.00
	6.3	15.756	20.07	228.09	3.37	50.69	61.85	382.44	76.79	0.34	63.47	10.29
	8.0	19.305	24.59	265.78	3.29	59.06	73.78	458.76	90.05	0.33	51.80	7.25
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
	3.0	8.956	11.41	177.05	3.94	35.41	41.21	278.68	53.19	0.39	111.66	28.33
	4.0	11.734	14.95	226.35	3.89	45.27	53.30	362.01	68.10	0.39	85.22	20.00
	4.5	13.085	16.67	249.29	3.87	49.86	59.04	401.87	75.07	0.38	76.42	17.22
	5.0	14.410	18.36	271.10	3.84	54.22	64.59	440.52	81.72	0.38	69.40	15.00
	6.0	16.982	21.63	311.47	3.79	62.29	75.10	514.16	94.12	0.38	58.89	11.67
	6.3	17.734	22.59	322.76	3.78	64.55	78.10	535.29	97.61	0.38	56.39	11.87
	8.0	21.817	27.79	379.77	3.70	75.95	93.83	646.69	115.45	0.37	45.84	8.50
	9.0	24.080	30.67	408.04	3.65	81.61	102.08	705.51	124.48	0.37	41.53	7.11
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
	3.0	10.840	13.81	312.35	4.76	52.06	60.24	487.72	78.15	0.47	92.25	35.00
	4.0	14.246	18.15	402.28	4.71	67.05	78.33	636.57	100.75	0.47	70.19	25.00
	4.5	15.911	20.27	444.70	4.68	74.12	87.01	708.40	111.45	0.46	62.85	21.67
	5.0	17.550	22.36	485.47	4.66	80.91	95.45	778.50	121.75	0.46	56.98	19.00
	6.0	20.750	26.43	562.16	4.61	93.69	111.61	913.46	141.22	0.46	48.19	15.00
	6.3	21.690	27.63	583.92	4.60	97.32	116.28	952.58	146.77	0.46	46.10	15.05
	8.0	26.841	34.19	696.82	4.51	116.14	141.14	1162.31	175.79	0.45	37.26	11.00
	9.0	29.732	37.87	755.21	4.47	125.87	154.54	1276.11	191.00	0.45	33.63	9.33

SQUARE HOLLOW SECTIONS

ASTM A - 500

Designation		Weight	Cross Sectional Area	Second Moment of Area	Radius of Gyration	Elastic Modulus	Plastic Modulus	Torsional inertia contant	Torsional modulus contant	Superficial Area per metre length	Nominal Length per tonne	Ratio for Local Buckling
Size	Thickness											
B × B	*T*	*M*	*A*	*I*	*r*	*Z*	*S*	*J*	*C*	*As*	*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*
125 × 125	3.0	11.311	14.41	354.50	4.96	56.72	65.56	552.66	85.14	0.49	88.41	36.67
	4.0	14.874	18.95	457.23	4.91	73.16	85.33	721.99	109.92	0.49	67.23	26.25
	4.5	16.617	21.17	505.83	4.89	80.93	94.84	803.85	121.67	0.48	60.18	22.78
	5.0	18.335	23.36	552.62	4.86	88.42	104.10	883.82	133.01	0.48	54.54	20.00
	6.0	21.692	27.63	640.89	4.82	102.54	121.87	1038.10	154.49	0.48	46.10	15.83
	6.3	22.679	28.89	666.02	4.80	106.56	127.01	1082.90	160.63	0.48	44.09	15.84
	8.0	28.097	35.79	796.96	4.72	127.51	154.47	1323.83	192.86	0.47	35.59	11.63
	9.0	31.145	39.67	865.20	4.67	138.43	169.34	1455.20	209.86	0.47	32.11	9.89
140 × 140	4.0	16.758	21.35	651.62	5.52	93.09	108.15	1023.32	139.80	0.55	59.67	30.00
	5.0	20.690	26.36	790.56	5.48	112.94	132.30	1255.76	169.78	0.54	48.33	23.00
	6.0	24.518	31.23	920.43	5.43	131.49	155.33	1478.77	197.90	0.54	40.79	18.33
	6.3	25.647	32.67	957.65	5.41	136.81	162.02	1543.83	205.99	0.54	38.99	18.22
	8.0	31.865	40.59	1153.92	5.33	164.85	198.05	1896.27	248.88	0.53	31.38	13.50
	10.0	38.799	49.42	1354.07	5.23	193.44	236.46	2275.42	293.20	0.53	25.77	10.00
	12.0	45.321	57.73	1522.77	5.14	217.54	270.65	2615.79	331.30	0.52	22.06	8.67
	12.5	46.887	59.73	1560.25	5.11	222.89	278.56	2694.77	339.90	0.52	21.33	8.20
150 × 150	3.0	13.666	17.41	622.73	5.98	83.03	95.53	964.61	124.60	0.59	73.18	45.00
	4.0	18.014	22.95	807.82	5.93	107.71	124.87	1264.76	161.73	0.59	55.51	32.50
	4.5	20.150	25.67	896.30	5.91	119.51	139.08	1410.79	179.51	0.58	49.63	28.33
	5.0	22.260	28.36	982.12	5.89	130.95	152.98	1554.13	196.79	0.58	44.92	25.00
	6.0	26.402	33.63	1145.91	5.84	152.79	179.88	1832.69	229.84	0.58	37.88	20.00
	6.3	27.625	35.19	1193.03	5.82	159.07	187.72	1914.13	239.38	0.58	36.20	19.81
	8.0	34.377	43.79	1443.00	5.74	192.40	230.11	2357.13	290.21	0.57	29.09	14.75
	9.0	38.210	48.67	1576.84	5.69	210.25	253.47	2602.92	317.65	0.57	26.17	12.67
	12.5	50.812	64.73	1972.44	5.52	262.99	326.24	3375.93	400.19	0.56	19.68	9.00
160 × 160	4.0	19.270	24.55	987.17	6.34	123.40	142.78	1541.45	185.25	0.63	51.89	35.00
	5.0	23.830	30.36	1202.36	6.29	150.29	175.16	1896.32	225.79	0.62	41.96	27.00
	6.0	28.286	36.03	1405.48	6.25	175.69	206.24	2238.90	264.18	0.62	35.35	21.67
	6.3	29.603	37.71	1464.11	6.23	183.01	215.31	2339.27	275.28	0.62	33.78	21.40
	8.0	36.889	46.99	1776.69	6.15	222.09	264.57	2886.97	334.74	0.61	27.11	16.00
	10.0	45.079	57.42	2103.07	6.05	262.88	317.88	3485.21	397.44	0.61	22.18	12.00
	12.0	52.857	67.33	2386.83	5.95	298.35	366.31	4033.15	452.73	0.60	18.92	10.33
	12.5	54.737	69.73	2451.37	5.93	306.42	377.66	4162.22	465.45	0.60	18.27	9.80
	16.0	67.173	85.57	2835.11	5.76	354.39	448.95	4976.21	542.67	0.59	14.89	7.00
178 × 178	4.0	21.531	27.43	1373.47	7.08	154.32	178.05	2135.96	231.62	0.70	46.44	39.50
	4.5	24.106	30.71	1527.36	7.05	171.61	198.64	2386.01	257.64	0.70	41.48	34.56
	5.0	26.656	33.96	1677.44	7.03	188.48	218.86	2632.27	283.05	0.69	37.52	30.60
	6.0	31.677	40.35	1966.30	6.98	220.93	258.22	3113.39	332.03	0.69	31.57	24.67
	9.0	46.123	58.75	2745.45	6.84	308.48	367.73	4465.07	465.01	0.68	21.68	15.78
180 × 180	4.0	21.782	27.75	1421.74	7.16	157.97	182.21	2210.16	237.10	0.71	45.91	40.00
	4.5	24.389	31.07	1581.26	7.13	175.70	203.30	2469.10	263.77	0.70	41.00	35.00
	5.0	26.970	34.36	1736.87	7.11	192.99	224.02	2724.16	289.81	0.70	37.08	31.00
	6.0	32.054	40.83	2036.52	7.06	226.28	264.35	3222.65	340.05	0.70	31.20	25.00
	6.3	33.559	42.75	2123.45	7.05	235.94	276.17	3369.16	354.65	0.70	29.80	24.57
	8.0	41.913	53.39	2590.73	6.97	287.86	340.68	4172.81	433.38	0.69	23.86	18.50
	9.0	46.688	59.47	2845.92	6.92	316.21	376.70	4624.37	476.62	0.69	21.42	16.00
200 × 200	4.0	24.294	30.95	1968.13	7.97	196.81	226.44	3048.66	295.34	0.79	41.16	45.00
	4.5	27.215	34.67	2191.54	7.95	219.15	252.86	3408.36	328.93	0.78	36.74	39.44
	5.0	30.110	38.36	2410.09	7.93	241.01	278.87	3763.30	361.82	0.78	33.21	35.00
	6.0	35.822	45.63	2832.75	7.88	283.27	329.67	4458.81	425.51	0.78	27.92	28.33
	6.3	37.516	47.79	2955.84	7.86	295.58	344.59	4663.72	444.08	0.78	26.66	27.75
	8.0	46.937	59.79	3621.63	7.78	362.16	426.39	5792.19	544.81	0.77	21.31	21.00
	9.0	52.340	66.67	3988.56	7.73	398.86	472.35	6429.93	600.56	0.77	19.11	18.22
	10.0	57.639	73.42	4337.63	7.69	433.76	516.73	7048.28	653.79	0.77	17.35	16.00
	12.0	67.929	86.53	4983.59	7.59	498.36	600.81	8226.50	752.95	0.76	14.72	13.67
	12.5	70.437	89.73	5134.46	7.56	513.45	620.86	8508.82	776.26	0.76	14.20	13.00
	16.0	87.269	111.17	6076.38	7.39	607.64	750.65	10347.01	923.57	0.75	11.46	9.50

SQUARE HOLLOW SECTIONS

ASTM A - 500

Designation		Weight	Cross Sectional Area	Second Moment of Area	Radius of Gyration	Elastic Modulus	Plastic Modulus	Torsional inertia contant	Torsional modulus contant	Superficial Area per metre length	Nominal Length per tonne	Ratio for Local Buckling
Size	Thickness											
B × B	*T*	*M*	*A*	*I*	*r*	*Z*	*S*	*J*	*C*	*As*	*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*
220 × 220	5.0	33.250	42.36	3238.02	8.74	294.37	339.73	5037.71	441.83	0.86	30.08	39.00
	6.0	39.590	50.43	3813.36	8.70	346.67	402.18	5976.18	520.57	0.86	25.26	31.67
	6.3	41.472	52.83	3981.43	8.68	361.95	420.56	6253.20	543.59	0.86	24.11	30.92
	8.0	51.961	66.19	4894.99	8.60	445.00	521.70	7783.51	669.03	0.85	19.25	23.50
	10.0	63.919	81.42	5887.19	8.50	535.20	634.16	9497.54	805.92	0.85	15.64	18.00
	12.0	75.465	96.13	6793.08	8.41	617.55	739.66	11117.67	931.77	0.84	13.25	15.33
	12.5	78.287	99.73	7006.43	8.38	636.95	764.96	11507.96	961.56	0.84	12.77	14.60
	16.0	97.317	123.97	8358.20	8.21	759.84	930.30	14073.70	1152.18	0.83	10.28	10.75
250 × 250	5.0	37.960	48.36	4805.01	9.97	384.40	442.26	7443.01	576.84	0.98	26.34	45.00
	6.0	45.242	57.63	5672.00	9.92	453.76	524.45	8842.52	681.15	0.98	22.10	36.67
	6.3	47.407	60.39	5926.18	9.91	474.09	548.70	9256.55	711.76	0.98	21.09	35.68
	8.0	59.497	75.79	7315.65	9.82	585.25	682.67	11551.86	879.34	0.97	16.81	27.25
	9.0	66.470	84.67	8093.21	9.78	647.46	758.74	12861.53	973.36	0.97	15.04	23.78
	10.0	73.339	93.42	8841.86	9.73	707.35	832.79	14141.09	1064.09	0.97	13.64	21.00
	12.0	86.769	110.53	10254.21	9.63	820.34	974.94	16609.54	1235.93	0.96	11.52	17.83
	12.5	90.062	114.73	10589.93	9.61	847.19	1009.24	17207.70	1276.94	0.96	11.10	17.00
	16.0	112.389	143.17	12751.41	9.44	1020.11	1235.77	21181.29	1542.90	0.95	8.90	12.63
260 × 260	6.0	47.126	60.03	6404.54	10.33	492.66	568.80	9969.77	739.48	1.02	21.22	38.33
	6.3	49.385	62.91	6692.87	10.31	514.84	595.20	10437.89	772.85	1.02	20.25	37.27
	8.0	62.009	78.99	8271.50	10.23	636.27	741.13	13035.55	955.84	1.01	16.13	28.50
	10.0	76.479	97.42	10010.85	10.14	770.07	905.01	15971.52	1158.13	1.01	13.08	22.00
	12.0	90.537	115.33	11626.30	10.04	894.33	1060.56	18777.00	1346.91	1.00	11.05	18.67
	12.5	93.987	119.73	12011.23	10.02	923.94	1098.17	19457.90	1392.05	1.00	10.64	17.80
	16.0	117.413	149.57	14500.20	9.85	1115.40	1347.19	23993.57	1685.89	0.99	8.52	13.25
300 × 300	6.0	54.662	69.63	9963.67	11.96	664.24	764.23	15433.82	996.78	1.18	18.29	45.00
	6.3	57.298	72.99	10419.05	11.95	694.60	800.07	16165.12	1042.41	1.18	17.45	43.62
	9.0	80.600	102.67	14340.79	11.82	956.05	1112.62	22572.71	1436.09	1.17	12.41	29.33
	12.0	105.609	134.53	18334.49	11.67	1222.30	1439.07	29322.97	1838.74	1.16	9.47	22.00
	12.5	109.687	139.73	18963.85	11.65	1264.26	1491.37	30410.04	1902.41	1.16	9.12	21.00
	16.0	137.509	175.17	23088.02	11.48	1539.20	1840.89	37714.09	2321.71	1.15	7.27	15.75
350 × 350	6.0	64.082	81.63	16007.75	14.00	914.73	1049.01	24682.71	1372.40	1.38	15.60	53.33
	6.3	67.189	85.59	16749.46	13.99	957.11	1098.68	25861.94	1436.06	1.38	14.88	51.56
	8.0	84.617	107.79	20849.89	13.91	1191.42	1375.23	32445.01	1788.28	1.37	11.82	39.75
	9.0	94.730	120.67	23181.29	13.86	1324.65	1534.01	36238.47	1988.79	1.37	10.56	34.89
	10.0	104.739	133.42	25453.75	13.81	1454.50	1689.92	39973.32	2184.43	1.37	9.55	31.00
	12.0	124.449	158.53	29824.41	13.72	1704.25	1993.20	47266.76	2561.44	1.36	8.04	26.17
	12.5	129.312	164.73	30881.22	13.69	1764.64	2067.25	49053.31	2652.76	1.36	7.73	25.00
	16.0	162.629	207.17	37886.23	13.52	2164.93	2566.00	61145.35	3260.21	1.35	6.15	18.88