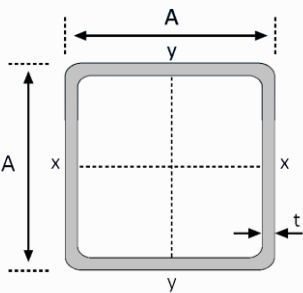


GI SQUARE HOLLOW SECTIONS

Material Specification: EN 10025 S275JR
EN 10219 S275JR/J0/J2H
EN 10219 S355JR/J0/J2H
ASTM A500 Gr A/B

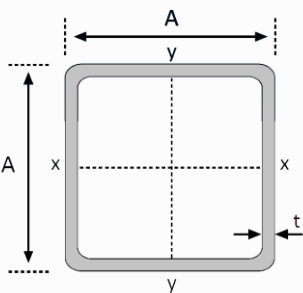


(Metric units)

Standard Sectional Dimension		Unit Weight	Sectional Area	Moment of Inertia		Section Modulus		Radius Of Gyration		Plastic Modulus	
A x A	t	M	A	Ix	Iy	Zx	Zy	ix	iy	Sx	Sy
mm	mm	Kg/m	cm ²	cm ⁴	cm ⁴	cm ³	cm ³	cm	cm	cm ³	cm ³
12 x 12	1	0.357	0.414	0.0808	0.0808	0.135	0.135	0.442	0.442	0.167	0.167
	1.2	0.421	0.481	0.0897	0.0897	0.15	0.15	0.432	0.432	0.189	0.189
	1.6	0.54	0.6	0.102	0.102	0.169	0.169	0.412	0.412	0.224	0.224
13 x 13	1.2	0.4	0.529	0.118	0.118	0.182	0.182	0.473	0.473	0.228	0.228
	1.6	0.5	0.664	0.136	0.136	0.209	0.209	0.453	0.453	0.273	0.273
16 x 16	1	0.464	0.591	0.221	0.221	0.276	0.276	0.611	0.611	0.331	0.331
	1.2	0.54	0.673	0.239	0.239	0.298	0.298	0.595	0.595	0.366	0.366
	1.6	0.706	0.9	0.31	0.31	0.387	0.387	0.587	0.587	0.483	0.483
19 x 19	1	0.559	0.711	0.383	0.383	0.403	0.403	0.733	0.733	0.479	0.479
	1.2	0.661	0.842	0.443	0.443	0.466	0.466	0.725	0.725	0.56	0.56
	1.6	0.859	1.05	0.511	0.511	0.538	0.538	0.698	0.698	0.668	0.668
20x20	2	1.05	1.34	0.692	0.692	0.692	0.692	0.72	0.72	0.877	0.877
	2.5	1.25	1.59	0.766	0.766	0.766	0.766	0.694	0.694	1	1
25 x 25	1.2	0.887	1.13	1.06	1.06	0.85	0.85	0.97	0.97	1.01	1.01
	1.6	1.16	1.48	1.34	1.34	1.07	1.07	0.95	0.95	1.29	1.29
	1.8	1.33	1.59	1.38	1.38	1.11	1.11	0.934	0.934	1.35	1.35
	2	1.36	1.74	1.48	1.48	1.19	1.19	0.924	0.924	1.47	1.47
	2.3	1.6	2.04	1.75	1.75	1.4	1.4	0.93	0.93	1.73	1.73
	2.4	1.7	2.02	1.65	1.65	1.32	1.32	0.904	0.904	1.67	1.67
	2.5	1.64	2.09	1.69	1.69	1.35	1.35	0.899	0.899	1.71	1.71
	3	2.01	2.56	2.06	2.06	1.65	1.65	0.9	0.9	2.1	2.1
30x30	1.2	1.08	1.35	1.83	1.83	1.22	1.22	1.17	1.17	1.44	1.44
	1.6	1.41	1.75	2.31	2.31	1.54	1.54	1.15	1.15	1.84	1.84
	1.8	1.57	1.95	2.52	2.52	1.68	1.68	1.14	1.14	2.03	2.03
	2.3	1.97	2.41	2.99	2.99	2	2	1.11	1.11	2.45	2.45
	3	2.48	3.01	3.5	3.5	2.34	2.34	1.08	1.08	2.96	2.96
	3.2	2.62	3.17	3.62	3.62	2.41	2.41	1.07	1.07	3.08	3.08
32 x 32	1.2	1.15	1.466	2.31	2.31	1.44	1.44	1.26	1.26	1.69	1.69
	1.6	1.51	1.92	2.95	2.95	1.84	1.84	1.24	1.24	2.19	2.19
	2	1.86	2.37	3.53	3.53	2.21	2.21	1.22	1.22	2.65	2.65
	2.3	2.11	2.69	3.93	3.93	2.46	2.46	1.21	1.21	2.98	2.98
	3	2.67	3.4	4.75	4.75	2.97	2.97	1.18	1.18	3.68	3.68

GI SQUARE HOLLOW SECTIONS

Material Specification: EN 10025 S275JR
EN 10219 S275JR/J0/J2H
EN 10219 S355JR/J0/J2H
ASTM A500 Gr A/B

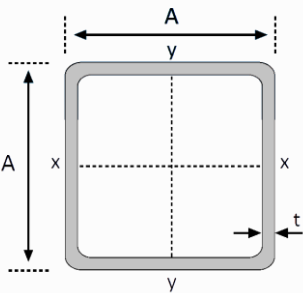


(Metric units)

Standard Sectional Dimension		Unit Weight	Sectional Area	Moment of Inertia		Section Modulus		Radius Of Gyration		Plastic Modulus	
A x A	t	M	A	Ix	Iy	Zx	Zy	ix	iy	Sx	Sy
mm	mm	Kg/m	cm ²	cm ⁴	cm ⁴	cm ³	cm ³	cm	cm	cm ³	cm ³
38 x 38	1.6	1.81	2.31	5.08	5.08	2.67	2.67	1.48	1.48	3.14	3.14
	2	2.23	2.85	6.12	6.12	3.22	3.22	1.47	1.47	3.83	3.83
	2.3	2.54	3.24	6.85	6.85	3.61	3.61	1.45	1.45	4.32	4.32
	3	3.24	4.12	8.38	8.38	4.41	4.41	1.43	1.43	5.38	5.38
40 x 40	2	2.31	2.94	6.94	6.94	3.47	3.47	1.54	1.54	4.13	4.13
	2.5	2.82	3.59	8.22	8.22	4.11	4.11	1.51	1.51	4.97	4.97
	3	3.3	4.21	9.32	9.32	4.66	4.66	1.49	1.49	5.72	5.72
	4	4.2	5.35	11.1	11.1	5.54	5.54	1.44	1.44	7.01	7.01
50 x 50	1.5	2.44	2.85	11.1	11.1	4.43	4.43	1.97	1.97	5.15	5.15
	1.6	2.41	3.08	12	12	4.79	4.79	1.97	1.97	5.57	5.57
	2	2.93	3.74	14.1	14.1	5.66	5.66	1.95	1.95	6.66	6.66
	2.3	3.41	4.34	16.4	16.4	6.56	6.56	1.94	1.94	7.74	7.74
	3	4.25	5.41	19.5	19.5	7.79	7.79	1.9	1.9	9.39	9.39
	3.2	4.54	5.73	20.4	20.4	8.16	8.16	1.89	1.89	9.89	9.89
	4	5.45	6.95	23.7	23.7	9.49	9.49	1.85	1.85	11.7	11.7
	4.5	6.02	7.67	25.5	25.5	10.2	10.2	1.82	1.82	12.8	12.8
	5	6.69	8.36	27	27	10.8	10.8	1.8	1.8	13.7	13.7
	6	7.56	9.63	29.5	29.5	11.8	11.8	1.75	1.75	15.3	15.3
60 x 60	1.6	2.88	3.67	20.7	20.7	6.89	6.89	2.37	2.37	8	8
	2.3	4.06	5.17	28.3	28.3	9.44	9.44	2.34	2.34	11.1	11.1
	3	5.19	6.61	35.1	35.1	11.7	11.7	2.31	2.31	14	14
	4	6.71	8.55	43.6	43.6	14.5	14.5	2.26	2.26	17.6	17.6
	4.5	7.43	9.47	47.2	47.2	15.7	15.7	2.23	2.23	19.3	19.3
	5	8.13	10.4	50.5	50.5	16.8	16.8	2.21	2.21	20.9	20.9
	6	9.44	12	56.1	56.1	18.7	18.7	2.16	2.16	23.7	23.7
63.5 x 63.5	2.3	4.31	5.49	33.9	33.9	10.7	10.7	2.48	2.48	12.5	12.5
	3	5.52	7.03	42.1	42.1	13.3	13.3	2.45	2.45	15.8	15.8
	4.5	8.04	10.1	57	57	18	18	2.38	2.38	21.9	21.9
	5	8.92	11.4	66.1	66.1	20.3	20.3	2.41	2.41	25	25
	6	10.57	12.9	68.2	68.2	21.5	21.5	2.3	2.3	27	27

GI SQUARE HOLLOW SECTIONS

Material Specification: EN 10025 S275JR
EN 10219 S275JR/J0/J2H
EN 10219 S355JR/J0/J2H
ASTM A500 Gr A/B

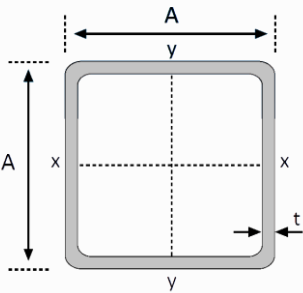


(Metric units)

Standard Sectional Dimension		Unit Weight	Sectional Area	Moment of Inertia		Section Modulus		Radius Of Gyration		Plastic Modulus	
A x A	t	M	A	I _x	I _y	Z _x	Z _y	i _x	i _y	S _x	S _y
mm	mm	Kg/m	cm ²	cm ⁴	cm ⁴	cm ³	cm ³	cm	cm	cm ³	cm ³
65 x 65	1.6	3.06	3.99	26.5	26.5	8.16	8.16	2.58	2.58	9.4	9.4
	2.3	4.42	5.63	36.4	36.4	11.2	11.2	2.54	2.54	13.1	13.1
	3	5.66	7.21	45.4	45.4	14	14	2.51	2.51	16.6	16.6
	4	7.34	9.35	56.6	56.6	17.4	17.4	2.46	2.46	21	21
	4.5	8.14	10.37	61.6	61.6	18.9	18.9	2.44	2.44	23.1	23.1
	5	8.92	11.36	66.1	66.1	20.3	20.3	2.41	2.41	25	25
70 x 70	6	10.4	13.23	73.9	73.9	22.7	22.7	2.36	2.36	28.5	28.5
	2.5	5.17	6.59	49.4	49.4	14.1	14.1	2.74	2.74	16.5	16.5
	3	6.13	7.81	57.5	57.5	16.4	16.4	2.71	2.71	19.4	19.4
	3.6	7.24	9.23	66.5	66.5	19	19	2.69	2.69	22.7	22.7
	4	7.97	10.1	72.1	72.1	20.6	20.6	2.67	2.67	24.8	24.8
75 x 75	5	9.7	12.4	84.6	84.6	24.2	24.2	2.62	2.62	29.6	29.6
	2.3	5.14	6.55	57.1	57.1	15.2	15.2	2.95	2.95	17.7	17.7
	3	6.6	8.41	71.6	71.6	19.1	19.1	2.92	2.92	22.5	22.5
	4	8.6	10.95	90.2	90.2	24	24	2.87	2.87	28.8	28.8
	4.5	9.55	12.17	98.6	98.6	26.3	26.3	2.85	2.85	31.7	31.7
80 x 80	6	12.3	15.63	120	120	32	32	2.77	2.77	39.6	39.6
	3	7.07	9.01	88	88	22	22	3.12	3.12	25.8	25.8
	3.6	8.37	10.7	102	102	25.5	25.5	3.09	3.09	30.2	30.2
	4	9.22	11.7	111	111	27.8	27.8	3.07	3.07	33.1	33.1
	5	11.3	14.4	131	131	32.9	32.9	3.03	3.03	39.7	39.7
	6	13.2	16.8	149	149	37.3	37.3	2.98	2.98	45.8	45.8
90 x 90	6.3	13.5	17.2	149	149	37.1	37.1	2.94	2.94	46.1	46.1
	2.3	6.23	7.93	101	101	22.4	22.4	3.56	3.56	25.9	25.9
	3	8.01	10.2	127	127	28.3	28.3	3.53	3.53	33	33
	3.2	8.33	10.8	135	135	29.9	29.9	3.52	3.52	35	35
	3.6	9.5	12.1	149	149	33	33	3.5	3.5	38.9	38.9
	4	10.5	13.3	162	162	36	36	3.48	3.48	42.6	42.6
	4.5	11.5	14.9	178	178	39.5	39.5	3.46	3.46	47.1	47.1
	5	12.8	16.4	193	193	42.9	42.9	3.43	3.43	51.4	51.4
	6	15.1	19.2	220	220	49	49	3.39	3.39	59.5	59.5

GI SQUARE HOLLOW SECTIONS

Material Specification: EN 10025 S275JR
EN 10219 S275JR/J0/J2H
EN 10219 S355JR/J0/J2H
ASTM A500 Gr A/B

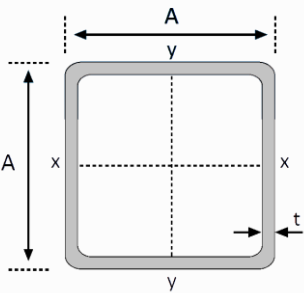


(Metric units)

Standard Sectional Dimension		Unit Weight	Sectional Area	Moment of Inertia		Section Modulus		Radius Of Gyration		Plastic Modulus	
A x A	t	M	A	Ix	Iy	Zx	Zy	ix	iy	Sx	Sy
mm	mm	Kg/m	cm ²	cm ⁴	cm ⁴	cm ³	cm ³	cm	cm	cm ³	cm ³
100 x 100	2.3	6.95	8.85	140	140	27.9	27.9	3.97	3.97	32.3	32.3
	3	8.96	11.41	177	177	35.4	35.4	3.94	3.94	41.2	41.2
	3.2	9.6	12.1	187	187	37.5	37.5	3.93	3.93	43.7	43.7
	4	11.7	14.95	226	226	45.3	45.3	3.89	3.89	53.3	53.3
	4.5	13.1	16.67	249	249	49.9	49.9	3.87	3.87	59	59
	5	14.4	18.4	271	271	54.2	54.2	3.84	3.84	64.6	64.6
	6	17	21.63	311	311	62.3	62.3	3.79	3.79	75.1	75.1
	6.3	17.5	22.2	314	314	62.8	62.8	3.76	3.76	76.4	76.4
	8	21.4	27.2	366	366	73.2	73.2	3.67	3.67	91.1	91.1
	9	24.1	30	391	391	78.1	78.1	3.61	3.61	98.6	98.6
120 x 120	4	14.2	18.1	402	402	67	67	4.71	4.71	78.3	78.3
	5	17.5	22.4	485	485	80.9	80.9	4.66	4.66	95.4	95.4
	6	20.7	26.4	562	562	93.7	93.7	4.61	4.61	112	112
	6.3	21.4	27.3	572	572	95.3	95.3	4.58	4.58	114	114
	8	26.4	33.6	677	677	113	113	4.49	4.49	138	138
125 x 125	2.3	8.75	11.2	278	278	44.5	44.5	4.99	4.99	51.1	51.1
	3	11.3	14.41	354	354	56.7	56.7	4.96	4.96	65.6	65.6
	3.2	12	15.3	376	376	60.1	60.1	4.95	4.95	69.6	69.6
	4.5	16.6	21.17	506	506	80.9	80.9	4.89	4.89	94.8	94.8
	5	18.7	23.4	553	553	88.4	88.4	4.86	4.86	104	104
	6	21.7	27.63	641	641	103	103	4.82	4.82	122	122
	6.4	23.2	29	660	660	106	106	4.78	4.78	126	126
	9	31.1	39	838	838	134	134	4.64	4.64	165	165
150 x 150	3	13.7	17.41	623	623	83	83	5.98	5.98	95.5	95.5
	4	18	22.95	808	808	108	108	5.93	5.93	125	125
	4.5	20.2	25.67	896	896	120	120	5.91	5.91	139	139
	6	26.4	33.63	1146	1146	153	153	5.84	5.84	180	180
	6.3	27.4	34.8	1174	1174	156	156	5.8	5.8	185	185
	8	33.9	43.2	1412	1412	188	188	5.71	5.71	226	226
	9	38.2	48	1540	1540	205	205	5.66	5.66	248	248
	10	41.3	52.6	1650	1650	220	220	5.61	5.61	269	269
	12	47.1	60.1	1780	1780	237	237	5.44	5.44	298	298

GI SQUARE HOLLOW SECTIONS

Material Specification: EN 10025 S275JR
EN 10219 S275JR/J0/J2H
EN 10219 S355JR/J0/J2H
ASTM A500 Gr A/B

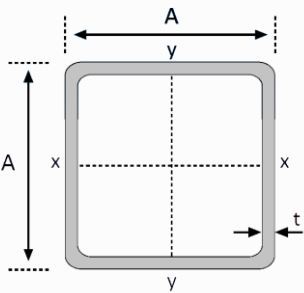


(Metric units)

Standard Sectional Dimension		Unit Weight	Sectional Area	Moment of Inertia		Section Modulus		Radius Of Gyration		Plastic Modulus	
A x A	t	M	A	I _x	I _y	Z _x	Z _y	i _x	i _y	S _x	S _y
mm	mm	Kg/m	cm ²	cm ⁴	cm ⁴	cm ³	cm ³	cm	cm	cm ³	cm ³
175 x 175	4	21.2	26.9	1303	1303	149	149	6.95	6.95	172	172
	4.5	23.7	30.2	1449	1449	166	166	6.93	6.93	192	192
	5	26.2	33.4	1591	1591	182	182	6.91	6.91	211	211
	6	31.1	39.6	1864	1864	213	213	6.86	6.86	249	249
	9	45.3	57	2546	2546	291	291	6.68	6.68	348	348
	12.7	62.5	75.5	3124	3124	357	357	6.43	6.43	443	443
180 x 180	5	27	34.4	1737	1737	193	193	7.11	7.11	224	224
	6	32.1	40.8	2037	2037	226	226	7.06	7.06	264	264
	6.3	33.3	42.4	2096	2096	233	233	7.03	7.03	273	273
	8	41.5	52.8	2546	2546	283	283	6.94	6.94	336	336
	10	50.7	64.6	3017	3017	335	335	6.84	6.84	404	404
	12	58.5	74.5	3322	3322	369	369	6.68	6.68	454	454
	12.5	60.5	77	3406	3406	378	378	6.65	6.65	467	467
200 x 200	5	30.1	38.4	2410	2410	241	241	7.93	7.93	279	279
	6	35.82	45.63	2832.9	2832.9	283.3	283.3	7.88	7.88	329.7	329.7
	6.3	37.2	47.4	2922	2922	292	292	7.85	7.85	341	341
	8	46.5	59.2	3566	3566	357	357	7.76	7.76	421	421
	9	52.34	66.68	3988.8	3988.8	398.9	398.9	7.73	7.73	472.4	472.4
	10	57	72.6	4251	4251	425	425	7.65	7.65	508	508
	12	67.93	86.54	4983.9	4983.9	498.4	498.4	7.59	7.59	600.9	600.9
	12.5	68.3	87	4859	4859	486	486	7.47	7.47	594	594
203 x 203	4.5	28.1	35.2	2295	2295	226	226	8.07	8.07	261	261
	6.4	38.4	48.9	3103	3103	306	306	7.96	7.96	357	357
	9.5	56	70.4	4288	4288	422	422	7.8	7.8	503	503
	12.7	72.6	89.7	5161	5161	508	508	7.58	7.58	621	621
250 x 250	6	45.24	57.63	5672.2	5672.2	453.8	453.8	9.92	9.92	524.5	524.5
	6.3	47.1	60	5873	5873	470	470	9.89	9.89	544	544
	8	59.1	75.2	7229	7229	578	578	9.8	9.8	676	676
	9	66.47	84.68	8093.6	8093.6	647.5	647.5	9.78	9.78	758.8	758.8
	10	72.7	92.6	8707	8707	697	697	9.7	9.7	822	822
	12	86.77	110.54	10254.8	10254.8	820.4	820.4	9.63	9.63	975	975
	12.5	88	112	10160	10160	813	813	9.52	9.52	975	975
	16	112.39	143.18	12752.3	12752.3	1020.2	1020.2	9.44	9.44	1235.9	1235.9

GI SQUARE HOLLOW SECTIONS

Material Specification: EN 10025 S275JR
EN 10219 S275JR/J0/J2H
EN 10219 S355JR/J0/J2H
ASTM A500 Gr A/B



(Metric units)

Standard Sectional Dimension		Unit Weight	Sectional Area	Moment of Inertia		Section Modulus		Radius Of Gyration		Plastic Modulus	
A x A	t	M	A	I _x	I _y	Z _x	Z _y	i _x	i _y	S _x	S _y
mm	mm	Kg/m	cm ²	cm ⁴	cm ⁴	cm ³	cm ³	cm	cm	cm ³	cm ³
254 x 254	6.4	48.5	62	6257	6257	493	493	10	10	571	571
	9.5	71.2	89.8	8781	8781	691	691	9.89	9.89	813	813
	12.7	92.9	116	10830	10830	853	853	9.68	9.68	1023	1023
300 x 300	6	54.7	69.6	9964	9964	664	664	12	12	764	764
	8	71.6	91.2	12800	12800	853	853	11.8	11.8	991	991
	9	80.6	102.68	14314.3	14314.3	956.1	956.1	11.82	11.82	1112.7	1112.7
	10	88.4	113	15520	15520	1035	1035	11.7	11.7	1211	1211
	12	105.61	134.54	18335.4	18335.4	1222.4	1222.4	11.67	11.67	1439.1	1439.1
	12.5	108	137	18350	18350	1223	1223	11.6	11.6	1451	1451
350 x 350	16	137.51	175.18	23089.4	23089.4	1539.3	1539.3	11.48	11.48	1841	1841
	9	94.7	120	22970	22970	1312	1312	13.8	13.8	1522	1522
	12	124	156	29050	29050	1660	1660	13.6	13.6	1949	1949
400 x 400	16	163	203	36510	36510	2086	2086	13.4	13.4	2488	2488
	9	109	138	34790	34790	1739	1739	15.9	15.9	2009	2009
	12	143	180	44320	44320	2216	2216	15.7	15.7	2587	2587
400 x 400	16	188	235	56150	56150	2808	2808	15.5	15.5	3322	3322