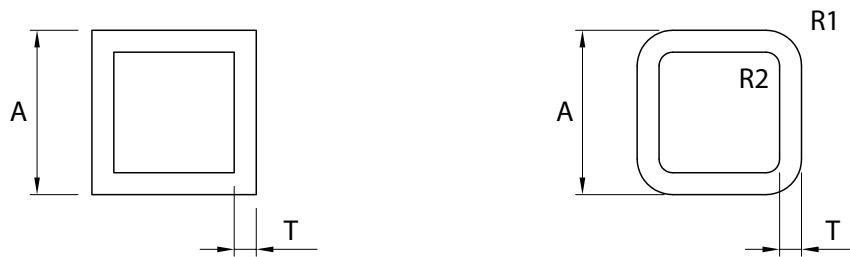




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Hollows - Squares Group 1.4.1



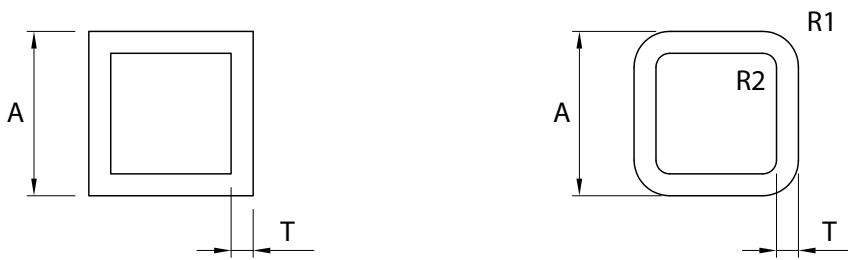
SECTION NO	A	T	R1	R2	MASS kg/m	OUTSIDE PERM	OUTSIDE FACTOR
34751	12.00	1.60			0.180	48.00	461
32909	12.00	2.00	3.00	1.00	0.198	42.85	369
K721	12.60	1.50			0.180	50.40	493
9609	12.70	1.57			0.189	50.80	472
2035*	13.21	1.40			0.179	52.80	527
30211	16.00	1.20	1.60		0.187	61.25	620
6792*	16.00	1.75	3.00	1.40	0.253	58.85	421
5728	19.00	1.60	2.40	0.80	0.301	76.00	462
J922	19.05	0.90	0.30	0.30	0.177	75.70	814
K025	19.05	1.20	1.50	0.30	0.227	73.60	615
9120	19.05	1.20			0.231	76.20	618
9783	19.05	1.83	1.57	1.57	0.340	73.50	389
E026*	20.00	1.20			0.245	80.00	614
8950	20.00	1.50			0.300	80.00	494
32961	20.00	2.00			0.390	80.00	369
8951	20.00	2.50			0.473	80.00	296
8777	20.00	3.00	3.00		0.530	74.85	247
32957	20.00	3.00			0.553	80.00	246
6890	22.00	1.60			0.353	88.00	462
9675	25.00	1.40	2.40	1.00	0.346	95.90	529
6614*	25.00	1.60			0.404	100.00	462
N285	25.00	1.80	3.00		0.432	94.85	418
K736	25.00	2.00			0.499	100.00	369
8778	25.00	3.00	3.00		0.695	94.85	246
9784	25.00	3.00			0.713	99.70	246
Z071	25.40	1.20	2.00	0.80	0.307	98.17	615
J114	25.40	1.22			0.320	101.60	605
0719	25.40	1.83	3.18	1.35	0.461	96.10	404
7841*	30.00	2.00	2.50	1.50	0.596	115.70	364
38479	30.00	2.00	0.30	0.30	0.607	119.48	367
38464	30.00	2.50	0.70	0.70	0.745	118.80	292
6947	30.00	3.00			0.875	120.00	247
9610	31.75	2.54			0.801	127.00	291
K362	32.00	2.00			0.650	128.00	369

* Some close tolerances apply



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Hollows - Square Group 1.4.2

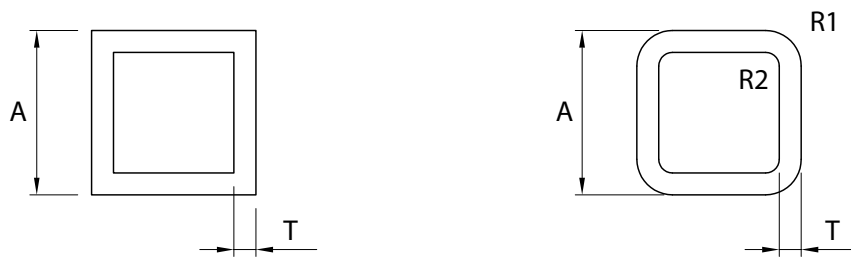


SECTION NO	A	T	R1	R2	MASS kg/m	OUTSIDE PERM	OUTSIDE FACTOR
K996	32.00	3.00	1.50		0.938	125.40	245
X547	32.00	3.00	3.00		0.922	122.85	246
J169	32.00	3.00			0.943	128.00	246
G677	33.90	1.45	2.50		0.498	131.31	509
X546	37.35	2.50	5.00	2.50	0.901	140.82	295
J864	38.00	1.55			0.612	152.00	476
K026	38.00	1.60	2.00	0.40	0.623	148.60	461
6059	38.00	2.00			0.778	152.00	370
N284	38.00	2.50			0.962	152.00	295
1044	38.10	2.03	3.61	1.57	0.767	146.20	365
9193	40.00	1.60	3.00	1.40	0.647	154.85	463
K911	40.00	1.60			0.666	160.00	461
30196	40.00	2.00	2.40	0.40	0.811	155.88	369
G097	40.00	2.00			0.824	160.00	369
6668	40.00	2.50			1.013	160.00	296
N737	40.00	3.00	3.00	1.00	1.185	154.85	245
X592	40.00	3.00			1.203	160.00	246
9192	40.00	4.00			1.555	160.00	185
32003	40.00	5.00	2.50		1.883	155.71	146
1468	44.45	2.03			0.933	177.80	364
E225	45.00	1.80			0.843	180.00	411
6114*	46.80	2.00			1.054	203.20	370
K132	50.00	1.60	6.00	4.00	0.801	189.90	461
J309	50.00	1.60			0.840	200.00	461
33479	50.00	2.00	3.00	1.00	1.022	194.85	369
31350	50.00	2.00	6.40	4.40	0.990	189.01	369
X591	50.00	2.00			1.041	200.00	369
9746	50.00	2.50			1.283	200.00	296
32565	50.00	3.00	3.00	1.00	1.510	194.85	244
32447	50.00	3.00	6.35	3.35	1.508	194.85	245
5917*	50.00	3.00			1.523	200.00	246
32734	50.00	5.00	4.00	2.00	2.411	193.13	145
32520	50.00	5.00	6.00	6.00	2.439	189.70	139
33268	50.00	6.00	6.35		2.768	189.10	123
1324	50.80	1.63	3.18	1.55	0.842	197.70	452



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Hollows - Square Group 1.4.3



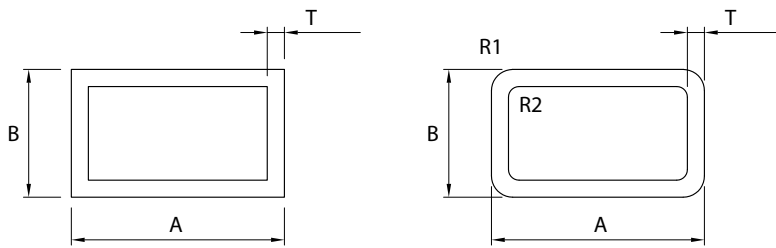
SECTION NO	A	T	R1	R2	MASS kg/m	OUTSIDE PERM	OUTSIDE FACTOR
5665	50.80	1.80	6.30	4.50	0.911	192.38	410
X197	50.80	2.00	6.40	4.40	1.008	192.21	369
6114	50.80	2.00			1.054	203.20	370
X548	50.80	2.03	3.00		1.052	198.05	366
X549	50.80	3.18	3.00		1.621	198.05	232
2963	50.80	3.25	4.75	1.57	1.628	195.00	227
Z912	60.00	1.40	1.00	0.30	0.887	238.28	526
30210	60.00	1.60	0.80	1.50	1.017	238.63	456
32096	60.00	2.00	6.30	4.30	1.208	229.18	369
38511	60.00	4.50	11.35	6.85	2.517	220.51	164
35589	65.00	2.40	0.40		1.628	259.31	307
K308	65.00	2.50			1.694	260.00	295
30209	65.50	1.60	1.60		1.102	259.25	461
31832	75.00	2.20	4.00	4.00	1.736	293.13	328
31878	75.00	2.50			1.965	299.66	295
K323	75.00	3.00			2.341	300.00	246
38133	75.00	3.00	4.50	5.00	2.352	292.27	238
33133	75.00	4.00	6.00		3.004	289.70	185
33397	76.20	3.00	6.00	3.00	2.318	294.50	246
X550	76.20	6.35	15.90	9.60	4.434	277.50	117
X903*	80.00	2.20	4.00	4.00	1.855	313.13	328
K047	80.00	3.00	4.00	4.00	2.504	313.13	241
33721	80.00	3.00			2.504	320.00	246
34415	90.00	1.90	3.00	1.00	1.796	354.85	389
31833	90.00	2.20	4.00	4.00	2.094	353.13	329
38606	90.00	3.00	6.00	3.00	2.766	349.70	246
38607	100.00	3.00	11.00	8.00	3.022	381.12	246
Z320	100.00	3.00			3.154	400.00	246
E929	100.00	6.00	12.00	6.00	5.863	379.40	123
36058	100.00	5.00	3.00	0.50	5.129	394.85	147
17231	150.00	2.90	2.00		4.615	596.57	254

* Some close tolerances apply



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Hollows - Rectangular Group 1.4.4



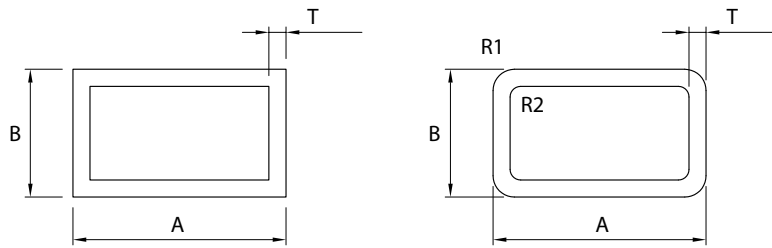
SECTION NO	A	B	T	R1	R2	MASS kg/m	OUTSIDE PERM	OUTSIDE FACTOR
34923	25.00	20.00	1.40	2.40	1.00	0.309	85.88	527
30208	34.93	12.70	1.57	3.75	2.18	0.357	88.82	470
34872	35.00	19.00	3.00	3.00	3.00	0.780	102.85	233
K496	37.40	14.40	1.20	3.00	2.00	0.308	98.20	613
G557	38.00	19.00	1.20			0.355	114.00	645
N709	38.00	25.00	1.50	3.00	1.50	0.472	120.80	492
9406*	38.00	25.00	1.50	3.00	1.50	0.470	120.80	494
X510	38.00	25.00	2.00	3.00	1.50	0.622	120.85	367
J782	38.10	17.45	3.18			0.848	111.10	232
X500	38.10	25.40	1.60	3.10	1.50	0.506	121.68	461
7057	38.20	25.50	2.50			0.798	127.40	291
30624	40.00	15.00	3.00	3.00	0.50	0.776	104.85	245
6621	40.00	16.00	2.50			0.689	112.00	296
30486	40.00	20.00	1.60			0.493	120.00	491
30485	40.00	20.00	3.00			0.878	120.00	246
35159	40.00	20.00	3.00			0.878	120.00	246
K582	40.00	25.00	2.00			0.661	130.00	369
35493	40.00	25.00	2.00	3.00	1.50	0.646	124.85	366
9785	40.00	25.00	2.50			0.810	129.70	296
35158	40.00	25.00	2.50	3.00	1.00	0.794	124.85	293
35309	40.00	25.00	3.00	3.00	3.00	0.959	124.85	235
J610*	42.60	29.50	1.80	3.00	3.00	0.668	139.10	395
X394	50.00	25.00	1.30			0.510	150.00	568
E905	50.00	25.00	1.60			0.623	150.00	461
5916*	50.00	25.00	2.00			0.767	150.00	295
34406	50.00	25.00	2.00	3.00	1.00	0.751	144.85	369
6634	50.00	25.00	2.50			0.945	150.00	296
9433	50.00	25.00	3.00			1.118	150.00	247
X544	50.00	25.00	3.00	3.00		1.101	144.85	246
37044	50.00	30.00	2.00			0.824	160.00	369
30497	50.00	40.00	2.00			0.932	180.00	369
36992	50.00	40.00	2.00	1.00	3.00	0.914	174.85	369
G705	50.00	40.00	3.00			1.366	180.00	246
34765	50.80	25.40	3.18			1.204	152.40	232
0914	50.80	38.10	3.18			1.417	177.80	233
38431	58.50	38.50	1.85	2.00	1.00	0.926	191.90	399
Z913	60.00	30.00	1.40	1.00	0.30	0.659	178.28	526
6815	60.00	35.00	1.80	2.50		0.874	185.00	413
J090	60.00	40.00	3.00			1.528	200.00	246
1790	63.50	50.80	3.18			1.853	228.60	233

Special Tols.
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Hollows - Rectangular Group 1.4.5

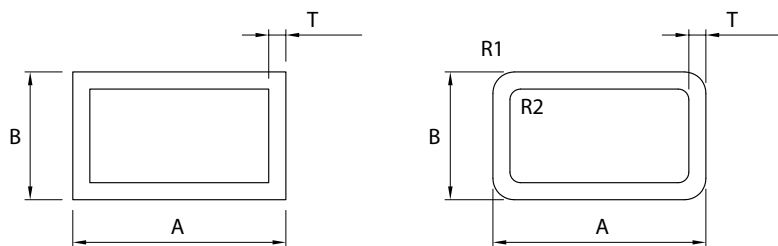


SECTION NO	A	B	T	R1	R2	MASS kg/m	OUTSIDE PERM	OUTSIDE FACTOR
31820	63.50	50.80	3.18	3.18		1.884	228.60	226
33669	65.00	16.00	1.20	1.50	1.00	0.508	159.42	610
Z357	65.00	16.00	1.20	3.00	2.00	0.500	156.85	611
7652	70.00	40.00	3.00			1.691	220.00	246
8042	75.00	25.00	1.60			0.836	200.00	462
30837	75.00	40.00	2.00			1.203	229.31	368
E709	75.00	50.00	2.50			1.626	250.00	295
37956	75.00	50.00	3.00			1.935	249.14	245
X861	75.00	50.00	4.75	7.00	4.00	2.897	237.98	153
K011	76.00	25.00	2.40			1.252	202.00	307
J005	76.20	38.10	3.18			1.860	228.60	232
1023	76.20	38.10	6.35			3.484	228.60	116
3908	76.20	44.45	2.03	0.38	0.79	1.286	241.30	362
G432	76.20	50.80	3.18			2.079	254.00	232
33126	76.50	54.00	3.00			2.024	261.00	246
33386	80.00	25.00	2.40			1.303	210.00	308
Z792	80.00	40.00	2.00			1.257	240.00	369
K910	80.00	40.00	3.00			1.854	240.00	245
38177	80.00	40.00	3.00	3.00	0.50	1.833	234.85	245
37164	80.00	40.00	6.00			3.512	239.14	123
6490	80.00	50.00	3.00			2.008	260.00	247
30240	80.00	50.00	3.00	5.00	2.00	1.967	251.42	246
7377	85.00	20.00	2.00			1.088	208.28	370
9822	100.00	16.00	2.00			1.210	232.00	370
31300	100.00	25.00	1.60			1.056	250.00	461
33022	100.00	25.00	2.00	2.00	0.50	1.305	246.57	367
6669	100.00	25.00	2.50			1.626	250.00	296
34296	100.00	40.00	3.00			2.179	280.00	246
7955	100.00	45.00	3.00			2.252	290.00	247
N297	100.00	50.00	1.60			1.273	300.00	461
J845	100.00	50.00	2.00			1.583	300.00	369
9985	100.00	50.00	3.00			2.341	300.00	246
30752	100.00	50.00	3.00	4.00	1.00	2.307	293.13	246
Z483	100.00	50.00	3.50	6.00	2.50	2.644	289.70	211
34048	100.00	50.00	4.00			3.079	300.00	185
K102	100.00	50.00	6.00	8.00	2.00	4.348	286.27	123
G435	100.00	50.00	6.50	0.20		4.827	300.00	113
33713	100.00	75.00	3.00			2.748	350.00	246
2515	101.60	25.40	2.36	0.79		1.560	254.00	312



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Hollows - Rectangular Group 1.4.6



SECTION NO	A	B	T	R1	R2	MASS kg/m	OUTSIDE PERM	OUTSIDE FACTOR
E053	101.60	76.20	2.29	5.47	3.18	2.104	346.21	323
G589	125.00	40.00	3.00			2.585	330.00	246
33272	125.00	50.00	6.00	6.35	6.35	5.301	339.10	119
J863	150.00	50.00	3.00			3.154	400.00	246
Z422	150.00	50.00	4.00	7.50	3.50	4.060	387.12	185
30388	150.00	75.00	5.00	5.00	2.50	5.783	441.42	146
37214	150.00	100.00	3.00			3.967	499.14	246
N064	152.40	38.10	3.18	1.00	1.00	3.174	379.28	231
Z335	200.00	50.00	3.00			3.960	500.00	246
35513	250.00	50.00	3.00	0.40		4.780	599.31	246
39274	300.00	50.00	3.50			6.506	699.31	211