



Designation	Thickness t	Mass per metre	Area of section	Moment of inertia	Moment of inertia	Radius of gyration	Radius of gyration	Elastic modulus		Plastic modulus		Torsional constants	
				Axis x-x	Axis y-y	Axis x-x	Axis y-y	Axis x-x	Axis y-y	Axis x-x	Axis y-y	J	C
mm	mm	kg	cm <sup>2</sup>	cm <sup>4</sup>	cm <sup>4</sup>	cm	cm	cm <sup>3</sup>	cm <sup>3</sup>	cm <sup>3</sup>	cm <sup>3</sup>	cm <sup>4</sup>	cm <sup>3</sup>
200 x 100	5.0	22.6	28.7	1495	505	7.21	4.19	149	101	185	114	1204	172
	6.3	28.1	35.8	1829	613	7.15	4.14	183	123	228	140	1475	208
	8.0	35.1	44.8	2234	739	7.06	4.06	223	148	282	172	1804	251
	10.0	43.1	54.9	2664	869	6.96	3.98	266	174	341	206	2156	295
	12.5	52.7	67.1	3136	1004	6.84	3.87	314	201	408	245	2541	341
200 x 120	5.0	24.1	30.7	1685	762	7.40	4.98	168	127	205	144	1648	210
	6.3	30.1	38.3	2065	929	7.34	4.92	207	155	259	177	2028	255
	8.0	37.6	48.0	2529	1128	7.26	4.85	253	188	313	218	2495	310
	10.0	46.3	58.9	3026	1337	7.17	4.76	303	223	379	263	3001	367
200 x 150	8.0	41.4	52.8	2971	1894	7.50	5.99	297	253	359	294	3643	398
	10.0	51.0	64.9	3568	2264	7.41	5.91	357	302	436	356	4409	475
250 x 100	10.0	51.0	64.9	4733	1072	8.54	4.06	379	214	491	251	2908	376
	12.5	62.5	79.6	5622	1245	8.41	3.96	450	249	592	299	3436	438
250 x 150	5.0	30.4	38.7	3360	1527	9.31	6.28	269	204	324	228	3278	337
	6.3	38.0	48.4	4143	1874	9.25	6.22	331	250	402	283	4054	413
	8.0	47.7	60.8	5111	2298	9.17	6.15	409	306	501	350	5021	506
	10.0	58.8	74.9	6174	2755	9.08	6.06	494	367	611	426	6090	605
	12.5	72.3	92.1	7387	3265	8.96	5.96	591	435	740	514	7326	717
	16.0	90.3	115.0	8879	3873	8.79	5.80	710	516	906	625	8868	849
300 x 100	8.0	47.7	60.8	6305	1078	10.20	4.21	420	216	546	245	3069	387
	10.0	58.8	74.9	7613	1275	10.10	4.13	508	255	666	296	3676	458
300 x 200	6.3	47.9	61.0	7829	4193	11.30	8.29	522	419	642	472	8476	681
	8.0	60.3	76.8	9717	5184	11.30	8.22	648	518	779	589	10562	840
	10.0	74.5	94.9	11819	6278	11.20	8.13	788	628	956	721	12908	1015
	12.5	91.9	117.0	14273	7537	11.00	8.02	952	754	1165	877	15677	1217
	16.0	115.0	147.0	17390	9109	10.90	7.87	1159	911	1441	1080	19252	1468
400 x 200	8.0	72.8	92.8	19562	6660	14.50	8.47	978	666	1203	743	15735	1135
	10.0	90.2	115.0	23914	8084	14.40	8.39	1196	808	1480	911	19259	1376
	12.5	112.0	142.0	29063	9738	14.30	8.28	1453	974	1813	1111	23438	1656
	16.0	141.0	179.0	35738	11824	14.10	8.13	1787	1182	2256	1374	28871	2010
450 x 250	8.0	85.4	109.0	30082	12142	16.60	10.60	1337	971	1622	1081	27083	1629
	10.0	106.0	135.0	36895	14819	16.50	10.50	1640	1185	2000	1331	33284	1986
	12.5	131.0	167.0	45026	17973	16.40	10.40	2001	1438	2458	1631	40719	2406
	16.0	166.0	211.0	55705	22041	16.20	10.20	2476	1763	3070	2029	50545	2947
500 x 300	8.0	97.9	125.0	43728	19951	18.70	12.60	1749	1330	2100	1480	42563	2203
	10.0	122.0	155.0	53762	24439	18.60	12.60	2150	1629	2595	1826	52450	2696
	12.5	151.0	192.0	65813	29780	18.50	12.50	2633	1985	3196	2244	64389	3281
	16.0	191.0	243.0	81783	36768	18.30	12.30	3271	2451	4005	2804	80329	4044
	20.0	235.0	300.0	98777	44078	18.20	12.10	3951	2939	4885	3408	97447	4842