



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 ²	cm ⁴	cm ⁴	cm	cm	cm ³	cm ³	cm ³	cm ³	cm ⁴	cm ⁴
50 x 30	3.2	3.61	4.60	14.2	6.20	1.76	1.16	5.68	4.13	7.25	5.00	14.2	6.80
60 x 40	3.0	4.35	5.54	26.5	13.90	2.18	1.58	8.82	6.95	10.90	8.19	29.2	11.20
	4.0	5.64	7.19	32.8	17.00	2.14	1.54	10.90	8.52	13.80	10.30	36.7	13.70
	5.0	6.85	8.73	38.1	19.50	2.09	1.50	12.70	9.77	16.40	12.20	43.0	15.70
80 x 40	3.2	5.62	7.16	57.2	18.90	2.83	1.63	14.30	9.46	18.00	11.00	46.2	16.10
	4.0	6.90	8.79	68.2	22.20	2.79	1.59	17.10	11.10	21.80	13.20	55.2	18.90
	5.0	8.42	10.70	80.3	25.70	2.74	1.55	20.10	12.90	26.10	15.70	65.1	21.90
	6.3	10.30	13.10	93.3	29.20	2.67	1.49	23.30	14.60	31.10	18.40	75.6	24.80
	8.0	12.50	16.00	106.0	32.10	2.58	1.42	26.50	16.10	36.50	21.20	85.8	27.40
90 x 50	3.6	7.40	9.42	98.3	38.70	3.23	2.03	21.80	15.50	27.20	18.00	89.4	25.90
	5.0	9.99	12.70	127.0	49.20	3.16	1.97	28.30	19.70	36.00	23.50	116.0	32.90
	6.3	12.30	15.60	150.0	57.00	3.10	1.91	33.30	22.80	43.20	28.00	138.0	38.10
100 x 50	3.0	6.71	8.54	110.0	36.80	3.58	2.08	21.90	14.70	27.30	16.80	88.4	25.00
	3.2	7.13	9.08	116.0	38.80	3.57	2.07	23.20	15.50	28.90	17.70	93.4	26.40
	4.0	8.78	11.20	140.0	46.20	3.53	2.03	27.90	18.50	35.20	21.50	113.0	31.40
	5.0	10.80	13.70	167.0	54.30	3.48	1.99	33.30	21.70	42.60	25.80	135.0	36.90
	6.3	13.30	16.90	197.0	63.00	3.42	1.93	39.40	25.20	51.30	30.80	160.0	42.90
	8.0	16.30	20.80	230.0	71.70	3.33	1.86	46.00	28.70	61.40	36.30	186.0	48.90
100 x 60	3.6	8.53	10.90	145.0	64.80	3.65	2.44	28.90	21.60	35.60	24.90	142.0	35.60
	5.0	11.60	14.70	189.0	83.60	3.58	2.38	37.80	27.90	47.40	32.90	188.0	45.90
	6.3	14.20	18.10	225.0	98.10	3.52	2.33	45.00	32.70	57.30	39.50	224.0	53.80
	8.0	17.50	22.40	264.0	113.00	3.44	2.25	52.80	37.80	68.70	47.10	265.0	62.20
120 x 60	3.6	9.66	12.30	227.0	76.30	4.30	2.49	37.90	25.40	47.20	28.90	183.0	43.30
	5.0	13.10	16.70	299.0	98.80	4.23	2.43	49.90	32.90	63.10	38.40	242.0	56.00
	6.3	16.20	20.70	358.0	116.00	4.16	2.37	59.70	38.80	76.70	46.30	290.0	65.90
	8.0	20.10	25.60	425.0	135.00	4.08	2.30	70.80	45.00	92.70	55.40	344.0	76.60
120 x 80	5.0	14.70	18.70	365.0	193.00	4.42	3.21	60.90	48.20	74.60	56.10	401.0	77.90
	6.3	18.20	23.20	440.0	230.00	4.36	3.15	73.30	57.60	91.00	68.20	487.0	92.90
	8.0	22.60	28.80	525.0	273.00	4.27	3.08	87.50	68.10	111.00	82.60	587.0	110.00
	10.0	27.40	34.90	609.0	313.00	4.18	2.99	101.60	78.10	131.00	97.30	688.0	126.00
	150 x 100	5.0	18.60	23.70	739.0	392.00	5.58	4.07	98.50	78.50	119.00	90.10	807.0
6.3	23.10	29.50	898.0	474.00	5.52	4.01	120.00	94.80	147.00	110.00	986.0	153.00	
8.0	28.90	36.80	1087.0	569.00	5.44	3.94	145.00	114.00	180.00	135.00	1203.0	183.00	
10.0	35.30	44.90	1282.0	665.00	5.34	3.85	171.00	133.00	216.00	161.00	1432.0	214.00	
12.5	42.80	54.60	1488.0	763.00	5.22	3.74	198.00	153.00	256.00	190.00	1679.0	246.00	
160 x 80	4.0	14.40	18.40	612.0	207.00	5.77	3.35	76.50	51.70	94.70	58.30	493.0	88.10
	5.0	17.80	22.70	744.0	249.00	5.72	3.31	93.00	62.30	116.00	71.10	600.0	106.00
	6.3	22.20	28.20	903.0	299.00	5.66	3.26	113.00	74.80	142.00	86.80	730.0	127.00
	8.0	27.60	35.20	1091.0	356.00	5.57	3.18	136.00	89.00	175.00	106.00	883.0	151.00
	10.0	33.70	42.90	1284.0	411.00	5.47	3.10	161.00	103.00	209.00	125.00	1041.0	175.00