



Designation		Mass per metre	Area of section	Moment of inertia	Radius of gyration	Elastic modulus	Plastic modulus	Torsional constants	
Size D x D	Thickness t							J	C
mm	mm	kg	cm ²	cm ⁴	cm	cm ³	cm ⁴	cm ³	
40 x 40	3.0	3.41	4.34	9.78	1.50	4.89	5.97	15.7	7.10
	3.2	3.61	4.60	10.20	1.49	5.11	6.28	16.5	7.42
	4.0	4.39	5.59	11.80	1.45	5.91	7.44	19.5	8.54
	5.0	5.28	6.73	13.40	1.41	6.68	8.66	22.5	9.60
50 x 50	3.0	4.35	5.54	20.20	1.91	8.08	9.70	32.1	11.80
	3.2	4.62	5.88	21.20	1.90	8.49	10.20	33.8	12.40
	4.0	5.64	7.19	25.00	1.86	9.99	12.30	40.4	14.50
	5.0	6.85	8.73	28.90	1.82	11.60	14.50	47.6	16.70
	6.3	8.31	10.60	32.80	1.76	13.10	17.00	55.2	18.80
60 x 60	3.0	5.29	6.74	36.20	2.32	12.10	14.30	56.9	17.70
	3.2	5.62	7.16	38.20	2.31	12.70	15.20	60.2	18.60
	4.0	6.90	8.79	45.40	2.27	15.10	18.30	72.5	22.00
	5.0	8.42	10.70	53.30	2.23	17.80	21.90	86.4	25.70
	6.3	10.30	13.10	61.60	2.17	20.50	26.00	102.0	29.60
70 x 70	8.0	12.50	16.00	69.70	2.09	23.20	30.40	118.0	33.40
	3.6	7.40	9.42	68.60	2.70	19.60	23.30	108.0	28.70
	5.0	9.99	12.70	88.50	2.64	25.30	30.80	142.0	36.80
	6.3	12.30	15.60	104.00	2.58	29.70	36.90	169.0	42.90
80 x 80	8.0	15.00	19.20	120.00	2.50	34.20	43.80	200.0	49.20
	3.6	8.53	10.90	105.00	3.11	26.20	31.00	164.0	38.50
	4.0	9.41	12.00	114.00	3.09	28.60	34.00	180.0	41.90
	5.0	11.60	14.70	137.00	3.05	34.20	41.10	217.0	49.80
	6.3	14.20	18.10	162.00	2.99	40.50	49.70	262.0	58.70
90 x 90	8.0	17.50	22.40	189.00	2.91	47.30	59.50	312.0	68.30
	3.6	9.66	12.30	152.00	3.52	33.80	39.70	237.0	49.70
	4.0	10.70	13.60	166.00	3.50	37.00	43.60	260.0	54.20
	5.0	13.10	16.70	200.00	3.45	44.40	53.00	316.0	64.80
	6.3	16.20	20.70	238.00	3.40	53.00	64.30	382.0	77.00
100 x 100	8.0	20.10	25.60	281.00	3.32	62.60	77.60	459.0	90.50
	4.0	11.90	15.20	232.00	3.91	46.40	54.40	361.0	68.20
	5.0	14.70	18.70	279.00	3.86	55.90	66.40	439.0	81.80
	6.3	18.20	23.20	336.00	3.80	67.10	80.90	534.0	97.80
	8.0	22.60	28.80	400.00	3.73	79.90	98.20	646.0	116.00
120 x 120	10.0	27.40	34.90	462.00	3.64	92.40	116.00	761.0	133.00
	5.0	17.80	22.70	498.00	4.68	83.00	97.60	777.0	122.00
	6.3	22.20	28.20	603.00	4.62	100.00	120.00	950.0	147.00
	8.0	27.60	35.20	726.00	4.55	121.00	146.00	1160.0	176.00
	10.0	33.70	42.90	852.00	4.46	142.00	175.00	1382.0	206.00
	12.5	40.90	52.10	982.00	4.34	164.00	207.00	1623.0	236.00