



## UNEQUAL ANGLES: Dimensions and Properties

Designation		Mass per Metre	Area of Section	Distance of Center of Gravity		Moment of Inertia	Moment of Inertia	Radius of Gyration		Elastic Modulus		Plastic Modulus	
Size A x B	Thickness t			cx	cy	Axis x-x	Axis y-y	Axis x-x	Axis y-y	Axis x-x	Axis y-y	Axis x-x	Axis y-y
mm	mm	kg	cm <sup>2</sup>	cm	cm	cm <sup>4</sup>	cm <sup>4</sup>	cm	cm	cm <sup>2</sup>	cm <sup>2</sup>	cm <sup>3</sup>	cm <sup>3</sup>
100 x 75	12	15.40	19.70	3.27	2.03	189	90.20	3.10	2.14	28.00	16.50	50.97	30.27
	10	13.00	16.60	3.19	1.95	162	77.60	3.12	2.16	23.80	14.00	43.31	25.55
	8	10.60	13.50	3.10	1.87	133	64.10	3.14	2.18	19.30	11.40	35.31	20.69
	7	9.32	11.90	3.06	1.83	118	56.90	3.15	2.19	17.00	10.00		
100 x 65	10	12.30	15.60	3.36	1.63	154	51.00	3.14	1.81	23.20	10.50	41.91	19.41
	8	9.94	12.70	3.27	1.55	127	42.20	3.16	1.83	18.90	8.54	34.21	15.67
	7	8.77	11.20	3.23	1.51	113	37.60	3.17	1.83	16.60	7.53	30.23	13.77
100 x 50	10	11.10	14.10	3.67	1.20	141	23.40	3.16	1.29	22.20	6.17		
	8	8.99	11.40	3.59	1.12	116	19.50	3.18	1.31	18.10	5.04		
	6	6.85	8.73	3.49	1.04	89.70	15.30	3.21	1.32	13.80	3.85		
80 x 60	8	8.34	10.60	2.55	1.56	66.30	31.80	2.50	1.73	12.20	7.16	22.17	13.08
	7	7.36	9.38	2.51	1.52	59.00	28.40	2.51	1.74	10.70	6.34	19.63	11.54
	6	6.37	8.11	2.47	1.48	51.40	24.80	2.52	1.75	9.29	5.49	17.02	9.96
75 x 50	10	9.07	11.60	2.60	1.36	62.60	21.90	2.33	1.38	12.80	6.03		
	8	7.39	9.41	2.52	1.29	52.00	18.40	2.35	1.40	10.40	4.95	18.87	9.14
	6	5.65	7.19	2.44	1.21	40.50	14.40	2.37	1.42	8.01	3.81	14.54	6.95
65 x 50	8	6.75	8.60	2.11	1.37	34.80	17.70	2.01	1.44	7.93	4.89	14.40	8.94
	6	5.16	6.58	2.04	1.29	27.20	14.00	2.03	1.46	6.10	3.77	11.13	6.85
	5	4.35	5.54	1.99	1.25	23.20	11.90	2.05	1.47	5.14	3.19	9.41	5.76