



## 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	cx	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>3</sup>	cm <sup>4</sup>	cm	cm	cm <sup>2</sup>	cm <sup>2</sup>	cm <sup>3</sup>	cm <sup>3</sup>
200 x 150	18	47.10	60.00	6.33	3.85	2376	1146	6.29	4.37	174	103	316.19	186.02
	15	39.60	50.50	6.21	3.73	2022	979	6.33	4.40	147	86.90	267.38	156.62
	12	32.00	40.80	6.08	3.61	1652	803	6.36	4.44	119	70.50	216.97	126.54
200 x 100	15	33.70	43.00	7.16	2.22	1758	299	6.40	2.64	137	38.40	240.46	72.25
	12	27.30	34.80	7.03	2.10	1440	247	6.43	2.67	111	31.30	195.68	57.82
	10	23.00	29.20	6.93	2.01	1220	210	6.46	2.68	93.20	26.30	164.91	48.16
150 x 100	15	27.80	35.40	5.01	2.54	789	280	4.72	2.81	79	37.50		
	14	26.10	33.20	4.97	2.50	743	264	4.73	2.82	74.10	35.20		
	12	22.60	28.70	4.89	2.42	650	232	4.75	2.84	64.20	30.60		
	10	19.00	24.20	4.80	2.34	552	198	4.78	2.86	54.10	25.80		
150 x 90	15	26.60	33.90	5.21	2.23	761	205	4.74	2.46	77.70	30.40	138.77	56.53
	12	21.60	27.50	5.08	2.12	627	171	4.77	2.49	63.30	24.80	113.40	45.60
	10	18.20	23.20	5.00	2.04	533	146	4.80	2.51	53.30	21.00	95.83	38.20
150 x 75	15	24.80	31.60	5.53	1.81	713	120	4.75	1.94	75.30	21.00	131.45	40.59
	12	20.20	25.70	5.41	1.69	589	99.90	4.79	1.97	61.40	17.20	107.60	32.51
	10	17.00	21.60	5.32	1.61	501	85.80	4.81	1.99	51.80	14.60	91.04	27.11
125 x 75	12	17.80	22.70	4.31	1.84	354	95.50	3.95	2.05	43.20	16.90	77.36	31.42
	10	15.00	19.10	4.23	1.76	302	82.10	3.97	2.07	36.50	14.30	65.57	26.34
	8	12.20	15.50	4.14	1.68	247	67.60	4.00	2.09	29.60	11.60	53.33	21.19
120 x 80	14	20.50	26.20	4.08	2.10	368	130	3.75	2.22	46.40	22.00		
	12	17.80	22.70	4.00	2.03	323	114	3.77	2.24	40.40	19.10		
	10	15.00	19.10	3.92	1.95	276	98.10	3.80	2.26	34.10	16.20		
	8	12.20	15.50	3.83	1.87	226	80.80	3.82	2.28	27.60	13.20		