



EQUAL ANGLES: Dimensions and Properties

Designation		Mass per Metre	Area of Section	Distance of Center of Gravity c	Moment of Inertia	Radius of Gyration	Elastic Modulus	Plastic Modulus
Size A	Thickness t				Axis x-x, y-y	Axis x-x, y-y	Axis x-x, y-y	Axis x-x, y-y
mm	mm	kg	cm ²	cm	cm ⁴	cm	cm ³	cm ³
75 x 75	12	13.10	16.70	2.29	82.60	2.23	15.80	
	10	11.10	14.10	2.21	71.20	2.25	13.50	
	8	9.00	11.50	2.13	58.90	2.27	11.00	
	7	7.94	10.10	2.09	52.40	2.27	9.67	
	6	6.87	8.75	2.04	45.60	2.28	8.35	
	5	5.78	7.36	1.99	38.50	2.29	7.00	
70 x 70	10	10.30	13.10	2.09	57.20	2.09	11.70	21.25
	8	8.36	10.60	2.01	47.50	2.11	9.52	17.37
	6	6.38	8.13	1.83	36.90	2.13	7.27	13.30
65 x 65	10	9.42	12.00	1.96	45.10	1.93	9.94	
	9	8.26			41.40	1.94	9.05	
	8	7.66	9.76	1.88	37.50	1.95	8.13	
	7	6.83			33.40	1.96	7.18	
	6	5.91	7.53	1.81	29.20	1.97	6.21	
	5	5.00	6.37	1.77	24.70	1.98	5.22	
60 x 60	10	8.69	11.10	1.85	34.90	1.78	8.41	15.32
	8	7.09	9.03	1.77	29.20	1.80	6.89	12.57
	6	5.42	6.91	1.69	22.80	1.82	5.29	9.67
	5	4.57	5.82	1.64	19.40	1.82	4.45	8.15
50 x 50	8	5.82	7.41	1.52	16.30	1.48	4.68	8.55
	6	4.47	5.69	1.45	12.80	1.50	3.61	6.61
	5	3.77	4.80	1.40	11.00	1.51 3.05	5.58	
40 x 40	6	3.52	4.48	1.20	6.31	1.19	2.26	4.13
	5	2.97	3.79	1.16	5.43	1.20	1.91	3.50
	4	2.42	3.08	1.12	4.47	1.21	1.55	2.85
25 x 25	5	1.77	2.26	0.80	1.20	0.73	0.71	1.30
	4	1.45	1.85	0.76	1.01	0.74	0.58	1.07
	3	1.11	1.42	0.72	0.80	0.75	0.45	0.83