



Dimension : EN 10056-1 2006
Tolerance : EN 10056-2 2006

DIMENSIONS, WEIGHTS AND STATIC PARAMETERS FOR EQUAL ANGLE

Designation	Mass kg/m	Sectional area cm ²	Dimensions			Distances of centre of gravity			Sectional properties about axes							
			a mm	t mm	t root mm	Cx=Cy cm	Cu cm	Cv cm	X-X=V-V Ix=Iy cm ⁴	rx=ry cm	Zx=Zy cm ³	U-U Iu cm ⁴	ru cm	lv cm ⁴	V-V Iv cm ⁴	Zv cm ³
20 x 20 x 2.5	0.75	1.12	20	2.5	3.5	0.598	1.41	0.85	0.39	0.59	0.28	0.62	0.74	0.165	0.383	0.20
20 x 20 x 3	0.90	1.32	20	3.0	4.0	0.620	1.50	0.90	0.42	0.62	0.30	0.66	0.78	0.175	0.410	0.23
25 x 25 x 2.5	1.42	2.05	25	2.5	3.5	0.723	1.77	1.02	0.80	0.75	0.45	1.27	0.95	0.334	0.484	0.33
25 x 25 x 3	1.70	2.45	25	3.0	4.0	0.762	1.77	1.08	0.85	0.78	0.48	1.35	1.03	0.350	0.510	0.36
30 x 30 x 2.5	1.45	1.85	30	2.5	3.5	0.835	2.12	1.18	1.40	0.90	0.65	2.22	1.13	0.585	0.581	0.50
30 x 30 x 3	1.74	2.15	30	3.0	4.0	0.878	2.12	1.24	1.80	0.89	0.85	2.85	1.12	0.754	0.577	0.61
35 x 35 x 2.5	1.35	2.15	30	2.5	3.5	1.00	2.47	1.42	2.95	1.05	1.18	4.68	1.32	1.230	0.678	0.87
35 x 35 x 3	1.60	2.55	30	3.0	4.0	1.12	2.83	1.58	4.47	1.21	1.55	7.09	1.52	1.860	0.777	1.17
40 x 40 x 2.5	1.55	3.08	40	2.5	3.5	1.16	2.83	1.64	5.43	1.20	1.91	8.60	1.51	2.260	0.773	1.38
40 x 40 x 3	1.85	3.52	40	3.0	4.0	1.25	3.18	1.78	7.14	1.35	2.20	11.40	1.71	2.940	0.870	1.65
45 x 45 x 2.5	1.35	3.06	45	2.5	3.5	1.36	3.54	1.92	8.97	1.52	2.46	14.20	1.91	3.730	0.979	1.94
45 x 45 x 3	1.60	3.50	45	3.0	4.0	1.40	3.54	1.99	11.00	1.51	3.05	17.40	1.90	4.550	0.973	2.29
50 x 50 x 2.5	1.47	3.77	50	2.5	3.5	1.45	3.54	2.04	12.80	1.50	3.61	20.30	1.89	5.340	0.968	2.61
50 x 50 x 3	1.74	4.21	50	3.0	4.0	1.64	4.24	2.32	19.40	1.82	4.45	30.70	2.30	8.030	1.170	3.46
60 x 60 x 2.5	1.45	5.82	60	2.5	3.5	1.69	4.24	2.39	22.80	1.82	5.29	36.10	2.29	9.440	1.170	3.96
60 x 60 x 3	1.74	6.36	60	3.0	4.0	1.77	4.24	2.50	29.20	1.80	6.89	46.10	2.26	12.200	1.160	4.86
65 x 65 x 2.5	1.63	8.03	65	2.5	3.5	1.85	4.60	2.62	33.40	1.96	7.18	53.00	2.47	13.800	1.260	5.27
65 x 65 x 3	1.92	8.57	65	3.0	4.0	1.93	4.95	2.73	36.90	2.13	7.27	58.50	2.68	15.300	1.370	5.60
70 x 70 x 2.5	1.50	9.40	70	2.5	3.5	1.97	4.95	2.79	42.30	2.12	8.41	67.10	2.67	17.500	1.360	6.28
70 x 70 x 3	1.79	9.94	70	3.0	4.0	2.05	5.30	2.90	45.80	2.29	8.41	72.70	2.89	18.900	1.470	6.53
75 x 75 x 2.5	1.40	11.40	75	2.5	3.5	2.14	5.30	3.02	59.10	2.27	11.00	93.80	2.86	24.500	1.460	8.09
75 x 75 x 3	1.69	12.30	75	3.0	4.0	2.26	5.66	3.19	72.20	2.43	12.60	115.00	3.06	29.900	1.560	9.37
80 x 80 x 2.5	1.30	12.30	80	2.5	3.5	2.34	5.66	3.30	87.50	2.41	15.40	139.00	3.03	36.400	1.550	11.00
80 x 80 x 3	1.59	13.20	80	3.0	4.0	2.45	6.36	3.47	92.60	2.75	14.10	147.00	3.46	38.300	1.770	11.00
90 x 90 x 2.5	1.10	13.90	90	2.5	3.5	2.50	6.36	3.53	104.00	2.74	16.10	166.00	3.45	43.100	1.760	12.20
90 x 90 x 3	1.39	14.80	90	3.0	4.0	2.54	6.36	3.59	116.00	2.73	17.90	184.00	3.44	47.900	1.760	13.30
90 x 90 x 4	1.68	15.70	90	4.0	5.0	2.58	6.36	3.65	127.00	2.72	19.80	201.00	3.42	52.600	1.750	14.40
100 x 100 x 2.5	0.90	15.50	100	2.5	3.5	2.74	7.07	3.87	145.00	3.06	19.90	230.00	3.85	59.900	1.960	15.50
100 x 100 x 3	1.19	16.40	100	3.0	4.0	2.82	7.07	3.99	177.00	3.04	24.60	280.00	3.83	73.000	1.950	18.30
100 x 100 x 4	1.48	17.30	100	4.0	5.0	2.90	7.07	4.11	207.00	3.02	29.10	328.00	3.80	85.700	1.940	20.90
110 x 110 x 2.5	0.70	21.18	110	2.5	3.5	3.06	7.78	4.33	238.00	3.35	29.99	378.20	4.23	97.700	2.150	22.90
110 x 110 x 3	0.99	22.08	110	3.0	4.0	3.15	7.78	4.45	279.10	3.33	35.54	443.30	4.20	115.000	2.140	26.25
120 x 120 x 2.5	0.50	23.20	120	2.5	3.5	3.31	8.49	4.69	313.00	3.67	36.00	497.00	4.63	129.000	2.360	27.50
120 x 120 x 3	0.79	24.10	120	3.0	4.0	3.40	8.49	4.80	368.00	3.65	42.70	584.00	4.60	152.000	2.350	31.60
130 x 130 x 2.5	0.30	30.00	130	2.5	3.5	3.64	9.19	5.15	472.00	4.30	49.43	802.00	5.43	206.800	2.760	39.24
140 x 140 x 2.5	0.10	34.95	140	2.5	3.5	3.92	9.90	5.57	504.40	4.30	63.37	1015.00	5.39	262.000	2.740	43.10
140 x 140 x 3	0.39	35.85	140	3.0	4.0	4.03	10.60	5.71	624.00	4.62	66.70	1170.00	5.80	303.000	2.950	52.00
150 x 150 x 2.5	0.19	33.80	150	2.5	3.5	4.12	10.60	5.83	737.00	4.60	83.50	1430.00	5.76	370.000	2.930	61.60
150 x 150 x 3	0.48	34.70	150	3.0	4.0	4.25	10.60	6.01	898.00	4.57	83.50	1430.00	5.76	370.000	2.930	61.60
160 x 160 x 2.5	0.29	46.10	160	2.5	3.5	4.49	11.30	6.35	1100.00	4.88	95.60	1750.00	6.15	453.000	3.140	71.30
160 x 160 x 3	0.58	47.00	160	3.0	4.0	5.02	12.70	7.11	1680.00	5.51	130.00	2690.00	6.96	679.000	3.500	95.50
180 x 180 x 2.5	0.10	55.40	180	2.5	3.5	5.52	14.10	7.81	2340.00	6.16	162.00	3720.00	7.76	960.000	3.940	123.00
180 x 180 x 3	0.39	56.30	180	3.0	4.0	7.24	17.70	10.20	7700.00	7.60	433.00	1220.00	9.61	3170.000	4.890	309.00
200 x 200 x 2.5	0.10	105.00	200	2.5	3.5	7.50	17.70	10.60	9260.00	7.54	529.00	1470.00	9.48	3860.000	4.870	364.00
250 x 250 x 2.5	0.10	163.00	250	2.5	3.5											