



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

DIMENSIONS, WEIGHTS AND STATIC PARAMETERS FOR UNEQUAL ANGLE

Designation	Thickness	Mass kg/m	Sectional area cm ²	Dimensions				Distances of centre of gravity				Sectional properties about axes				U-U		V-V		Inclination of V-V axis									
				a mm	b mm	r mm	r root mm	Cx cm	Cy cm	Cu cm	Cv cm	Ix cm ⁴	Iy cm ⁴	Iz cm ⁴	Ixy cm ⁴	Iy' cm ⁴	Iy'' cm ⁴	Iz' cm ⁴	Iz'' cm ⁴	Iu cm ⁴	Iv cm ⁴	Iu' cm ⁴	Iv' cm ⁴	Ian °	Ian' °				
30 x 20	3	1.11	1.42	30	20	3.5	0.99	0.50	2.04	1.04	0.62	0.44	0.56	0.29	1.43	1.00	0.25	0.42	0.431										
4	1.45	1.85	2.02	1.03	0.54	2.02	1.03	1.59	0.93	0.81	0.55	0.38	1.81	0.99	0.33	0.42	0.423												
30 x 20	3	1.35	1.72	40	20	3.5	1.43	0.44	2.61	1.19	1.27	1.08	0.47	0.52	0.30	2.96	1.31	0.30	0.42	0.259									
4	1.77	2.25	1.47	0.48	2.57	1.18	3.59	1.26	1.42	0.60	0.52	0.39	3.79	1.30	0.39	0.42	0.252												
3	1.72	2.19	1.43	0.70	3.09	1.59	4.47	1.43	1.46	1.60	0.86	0.70	5.15	1.33	0.93	0.65	0.436												
45 x 30	4	2.24	2.87	45	30	4.5	1.48	0.74	3.07	1.58	5.78	1.42	1.91	2.05	0.85	0.91	6.65	1.52	1.16	0.64	0.436								
5	2.77	3.53	1.52	0.78	3.05	1.58	6.99	1.41	2.35	2.47	0.84	1.11	8.02	1.51	1.44	0.64	0.430												
50 x 30	5	2.96	3.78	50	30	4.5	1.73	0.74	3.33	1.66	9.41	1.58	2.88	2.54	0.82	1.12	10.40	1.66	1.56	0.64	0.353								
50 x 40	4	2.71	3.46	50	40	4	1.52	1.03	3.50	1.84	8.54	1.57	2.47	4.86	1.19	1.64	10.90	1.78	2.46	0.84	0.629								
5	3.35	4.27	1.56	1.07	3.49	1.84	10.40	1.56	3.02	5.88	1.18	2.01	13.30	1.76	3.02	0.84	0.625												
60 x 30	5	3.37	4.29	60	30	6	2.15	0.68	3.90	1.77	15.60	1.90	4.04	2.60	0.78	1.12	16.50	1.96	1.69	0.63	0.256								
7	4.59	5.85	2.24	0.76	3.83	0.73	20.70	1.88	5.50	3.41	1.76	1.52	21.80	1.93	2.28	0.62	0.248												
5	3.76	4.79	1.96	0.97	4.08	2.09	17.20	1.89	4.25	6.11	1.13	2.02	19.80	2.03	3.50	0.86	0.437												
60 x 40	6	4.46	5.68	60	40	6	2.00	1.01	4.06	2.08	20.10	1.88	5.03	7.12	1.12	2.38	23.10	2.02	4.12	0.85	0.433								
7	5.14	6.55	2.04	1.05	4.04	2.07	23.00	1.87	5.79	8.07	1.11	2.74	26.30	2.00	4.73	0.85	0.429												
4	3.51																												
5	4.36	5.54	1.99	1.25	4.53	2.39	23.20	2.05	5.14	11.90	1.47	3.19	28.80	2.28	6.32	1.07	0.577												
6	5.18																												
7	5.97	7.60	2.07	1.33	4.50	2.37	31.00	2.02	6.89	15.80	1.44	4.31	38.40	2.25	8.37	1.05	0.574												
9	7.52	9.58	2.15	1.41	4.48	2.36	38.20	2.00	8.77	19.40	1.42	5.39	47.00	2.22	10.50	1.05	0.567												
4	4.75	6.04	2.40	1.17	5.14	2.64	34.40	2.39	6.74	12.30	1.43	3.21	39.60	2.56	7.10	1.08	0.437												
5	5.65	7.19	2.44	1.21	5.12	2.64	40.50	2.37	8.01	14.40	1.42	3.81	46.60	2.55	8.36	1.08	0.435												
8	7.39	9.41	2.52	1.29	5.08	2.62	52.00	2.35	10.40	18.40	1.40	4.95	59.60	2.52	10.80	1.07	0.430												
10	9.05																												
5	5.34																												
6	6.35																												
8	8.33																												
10	10.24																												
6	5.41	6.89	2.85	0.88	5.20	2.38	44.90	2.55	8.73	7.59	1.05	2.44	47.60	2.63	4.93	0.85	0.258												
80 x 40	8	7.07	9.01	2.84	0.96	5.14	2.34	57.60	2.53	11.40	9.61	1.03	3.16	60.90	2.60	6.34	0.84	0.253											
10	8.67																												
6	7.08																												
8	9.30																												
10	11.45																												
6	7.55																												
8	9.93																												
10	12.23																												
6	6.84	8.71	3.49	1.04	6.50	2.98	88.70	3.20	13.80	15.30	1.32	3.86	95.20	3.30	9.78	1.06	0.262												
8	8.99	11.50	3.69	1.13	6.48	2.95	116.00	3.18	18.00	19.50	1.31	5.04	123.00	3.28	12.60	1.05	0.258												
10	11.10	14.10	3.67	1.20	6.43	2.91	141.00	3.16	22.20	23.40	1.29	6.17	149.00	3.25	15.50	1.04	0.252												
7	8.77	11.20	3.23	1.51	6.83	3.49	113.00	3.17	16.60	37.60	1.83	7.53	128.00	3.39	22.00	1.40	0.415												
8	9.94	12.70	3.27	1.55	6.81	3.47	127.00	3.16	18.90	42.20	1.83	8.54	144.00	3.37	24.80	1.40	0.413												
10	12.30	15.60	3.36	1.63	6.76	3.45	154.00	3.14	23.20	51.00	1.81	10.50	175.00	3.35	30.10	1.39	0.410												
12	14.50																												
6	8.04																												
8	10.60	13.50	3.10	1.87	6.95	3.65	133.00	3.14	19.30	64.10	2.18	11.40	162.00	3.47	34.60	1.60	0.547												
10	13.00	16.60	3.19	1.95	6.92	3.65	162.00	3.12	23.80	77.60	2.16	14.00	197.00	3.45	42.20	1.59	0.544												
12	15.40	19.70	3.27	2.03	6.89	3.65	189.00	3.10	28.00	90.20	2.14	16.50	230.00	3.42	49.50	1.59	0.540												
6	8.77																												
8	11.53																												
10	14.23																												
12	16.87																												
8	12.20	15.50	3.83	1.87	8.23	4.23	226.00	3.82	27.60	80.80	2.28	13.20	260.00	4.10	46.60	1.74	0.437												
10	15.00	19.10	3.92	1.95	8.19	4.21	276.00	3.80	34.10	98.10	2.26	16.20	317.00	4.07	56.80	1.72	0.435												
12	17.80	22.70	4.00	2.03	8.15	4.20	323.00	3.77	40.40	114.00	2.24	19.10	371.00	4.04	66.70	1.71	0.431												
8	12.20	15.50	4.14	1.68	8.44	4.20	247.00	4.00	29.60	67.60	2.09	11.60	274.00	4.21	40.90	1.63	0.360												
10	15.00	19.10	4.23	1.76	8.39	4.17	302.00	3.97	36.50	82.10	2.07	14.30	334.00	4.18	49.90	1.61	0.357												
12	17.80	22.70	4.31	1.84	8.33	4.15	354.00	3.95	43.20	95.50	2.05	16.90	391.00	4.15	58.50	1.61	0.354												
8	13.12																												
10	16.21																												
12	19.24																												
15	23.65																												
10	17.00	21.70	5.31	1.61	9.79	4.48	501.00	4.81	51.60	85.60	1.89	14.50	531.00	4.95	55.10	1.60	0.261												
12	20.20	25.70	5.40	1.69	9.72	4.44	588.00	4.78	61.30	98.60	1.87	17.10	623.00	4.92	64.70	1.59	0.258												
15	24.80	31.70	5.52	1.81	9.63	4.40	713.00	4.75	75.20	119.00	1.94	21.00	753.00	4.88	78.60	1.5													