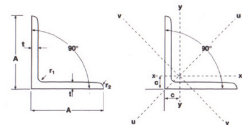


Equal Angles

Dimensions and properties to BS EN 10056 - 1: 1993

90 x 90 x 6 - 200 x 200 x 24

* These sizes are in addition to our standard range to BS EN 10056-1: 1999 Specification



Designation Serial Size A x A x t mm x mm x mm	Mass per metre kg/m	Root Radius r1 mm	Toe Radius r2 m	Area of Section cm ²	Distance of centre of gravity C cm	Second Moment of Area			Radius of Gyration			Elastic Modulus axis x-x, y-y cm ³ m ³	Tortional Constant J cm ⁴	Equivalent Slenderness Coefficient φ a
						Axis x-x, y-y cm ⁴	Axis u-u cm ⁴	Axis v-v cm ⁴	Axis x-x, y-y cm ⁴	Axis u-u cm ⁴	Axis v-v cm ⁴			
90 x 90 x 6	9.60	11.00	5.50	12.20	2.45	92.60	147.00	38.30	2.75	3.46	1.77	14.10	2.24	2.80
	x 8	10.90	11.00	5.50	2.50	104.00	166.00	43.10	2.74	3.45	1.76	16.10	3.28	3.33
	x 10	13.40	11.00	5.50	2.58	127.00	201.00	52.60	2.72	3.42	1.75	19.80	6.20	2.64
	x 12	15.90	11.00	5.50	2.66	148.00	234.00	61.70	2.70	3.40	1.74	23.40	10.46	2.17
100 x 100 x 10	15.00	12.00	6.00	19.20	2.82	177.00	280.00	73.00	3.04	3.83	1.95	24.60	6.97	2.94
	x 12	17.80	12.00	6.00	2.90	207.00	328.00	85.70	3.02	3.80	1.94	29.10	11.80	2.44
	x 15	21.90	12.00	6.00	3.02	249.00	393.00	105.00	2.98	3.76	1.93	35.60	22.30	1.92
120 x 120 x 8	14.70	13.00	6.50	18.70	3.23	255.00	405.00	104.00	3.69	5.00	2.37	29.10	4.44	4.56
	x 10	18.20	13.00	6.50	3.31	313.00	497.00	129.00	3.67	4.65	2.36	36.00	8.41	3.61
	x 12	21.60	13.00	6.50	3.40	368.00	584.00	152.00	3.65	4.60	2.35	42.70	14.20	2.99
	x 15	26.60	13.00	6.50	3.51	445.00	705.00	186.00	3.62	4.57	2.33	52.40	27.00	2.37
150 x 150 x 10	23.00	16.00	8.00	29.30	4.03	624.00	990.00	258.00	4.62	5.82	2.97	56.90	10.80	4.51
	x 12	27.30	16.00	8.00	4.12	737.00	1170.00	303.00	4.60	5.80	2.95	67.80	18.20	3.77
	x 15	33.80	16.00	8.00	4.25	898.00	1430.00	370.00	4.57	5.76	2.93	83.50	34.60	3.01
	x 18	40.10	16.00	8.00	4.37	1050.00	1670.00	435.00	4.54	5.71	2.92	98.80	58.60	2.48
200 x 200 x 16	48.50	18.00	9.00	61.80	5.52	2340.00	3720.00	960.00	6.16	7.76	3.94	162.00	56.10	3.85

x 18	54.20	18.00	9.00	69.10	5.60	2600.00	4150.00	1050.00	6.13	7.75	3.90	181.00	78.90	3.43
x 20	59.90	18.00	9.00	76.30	5.68	2851.00	4530.00	1170.00	6.11	7.70	3.92	199.00	107.00	3.05
x 24	71.10	18.00	9.00	90.60	5.84	3331.00	5280.00	1380.00	6.06	7.64	3.90	235.00	182.00	2.50

