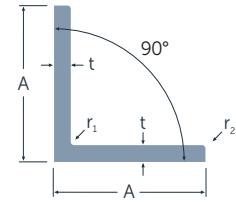
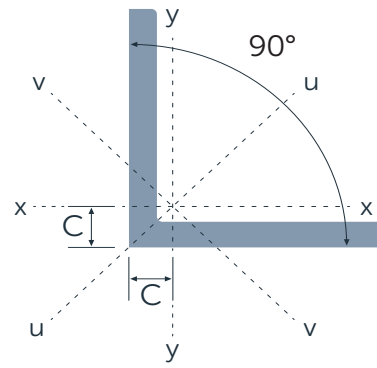


British Steel, the only UK manufacturer of structural sections, is BES 6001 certified, guaranteeing commitment to responsibly sourced materials. Our structural sections are CE marked and tested to the highest standards, providing quality and assurance for the UK construction market.



Equal Angles (EA) sizes

Designation Serial size A x A x t mm x mm x mm	Mass per metre kg/m	Depth of section h mm	Width of section b mm	Thickness s mm	Root radius r_1 mm	Toe radius r_2 mm	Area of section cm_2	Distance to centre of gravity C cm	Second moment of area I		
									Axis	Axis	Axis
									x-x, y-y	u-u	v-v
									cm ⁴	cm ⁴	cm ⁴
120 x 120 x 8	14.7	120	120	8	13	6.5	18.7	3.23	256	411	107
120 x 120 x 10	18.2	120	120	10	13	6.5	23.2	3.31	313	497	129
120 x 120 x 12	21.6	120	120	12	13	6.5	27.5	3.40	368	584	152
120 x 120 x 15	26.6	120	120	15	13	6.5	33.9	3.51	445	710	186
150 x 150 x 10	23.0	150	150	10	16	8.0	29.3	4.03	624	990	258
150 x 150 x 12	27.3	150	150	12	16	8.0	34.8	4.12	737	1170	303
150 x 150 x 15	33.8	150	150	15	16	8.0	43.0	4.25	898	1430	370
150 x 150 x 18	40.1	150	150	18	16	8.0	51.0	4.37	1050	1680	440
200 x 200 x 16	48.5	200	200	16	18	9.0	61.8	5.52	2342	3720	960
200 x 200 x 18	54.2	200	200	18	18	9.0	69.1	5.60	2600	4150	1050
200 x 200 x 20	59.9	200	200	20	18	9.0	76.3	5.68	2851	4530	1170
200 x 200 x 24	71.1	200	200	24	18	9.0	90.6	5.84	3331	5280	1380



Equal Angles (EA) sizes

Radius of gyration i			Elastic modulus Axis	Torsional constant J	Equivalent slenderness coefficient Fa	Surface area		Designation Serial size A x A x t mm x mm x mm
Axis	Axis	Axis				Per metre	Per tonne	
x-x, y-y	u-u	v-v	x-x, y-y	cm ⁴		m ²	m ²	
cm	cm	cm	cm ³					
3.69	4.69	2.39	29.1	4.44	4.56	0.47	31.87	120 x 120 x 8
3.67	4.63	2.36	36.0	8.41	3.61	0.47	25.76	120 x 120 x 10
3.65	4.61	2.35	42.7	14.21	2.99	0.47	21.69	120 x 120 x 12
3.62	4.58	2.34	52.4	27.04	2.37	0.47	17.60	120 x 120 x 15
4.62	5.81	2.97	56.9	10.80	4.51	0.59	25.51	150 x 150 x 10
4.60	5.80	2.95	67.8	18.21	3.77	0.59	21.44	150 x 150 x 12
4.57	5.77	2.93	83.5	34.62	3.01	0.59	17.36	150 x 150 x 15
4.54	5.74	2.94	98.8	58.57	2.48	0.59	14.63	150 x 150 x 18
6.16	7.76	3.94	162.0	56.09	3.85	0.78	16.18	200 x 200 x 16
6.13	7.75	3.90	181.0	78.95	3.43	0.78	14.46	200 x 200 x 18
6.11	7.71	3.92	199.0	107.19	3.05	0.78	13.09	200 x 200 x 20
6.06	7.63	3.90	235.0	181.89	2.50	0.78	11.03	200 x 200 x 24

Dimensions and properties to BS EN 10056-1

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