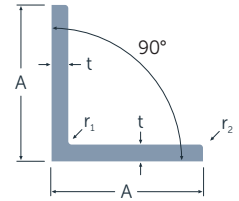
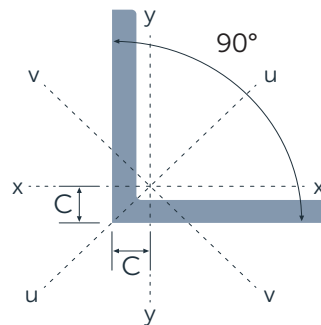


British Steel, the only UK manufacturer of structural sections, is BES 6001 certified, guaranteeing commitment to responsibly sourced materials. Our structural sections are CE marked and tested to the highest standards, providing quality and assurance for the UK construction market.



### Equal angles (EA) sizes

Designation	Mass per metre	Depth of section	Width of section	Thickness	Root radius	Toe radius	Area of section	Distance to centre of gravity	Second moment of area		
									I		
Serial size									Axis	Axis	Axis
A x A x t		h	b	s	r <sub>1</sub>	r <sub>2</sub>		C	x-x, y-y	u-u	v-v
mm x mm x mm	kg/m	mm	mm	mm	mm	mm	cm <sub>2</sub>	cm	cm <sup>4</sup>	cm <sup>4</sup>	cm <sup>4</sup>
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	Torsional constant	Equivalent slenderness coefficient	Surface area		Designation
Axis	Axis	Axis				Per metre	Per tonne	
x-x, y-y	u-u	v-v	x-x, y-y	J	Fa	m <sup>2</sup>	m <sup>2</sup>	Serial size A x A x t
cm	cm	cm	cm <sup>3</sup>	cm <sup>4</sup>		m <sup>2</sup>	m <sup>2</sup>	mm x mm x mm
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

## BRITISHSTEEL.CO.UK/CONSTRUCTION

A | PO Box 1, Brigg Road, Scunthorpe, North Lincolnshire, DN16 1BP  
 T | +44 (0)1724 404040 E | construction@britishsteel.co.uk

CEAD:ENG:112020

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