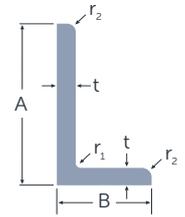
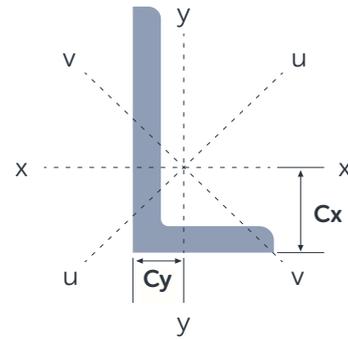


British Steel, the only UK manufacturer of structural sections, is BES 6001 certified, guaranteeing commitment to responsibly sourced materials. Our structural sections are CE and UKCA marked and tested to the highest standards, providing quality and assurance for the UK construction market.



### Unequal angles (UA) sizes

Designation	Mass per metre	Depth of section	Width of section	Thickness of web	Root radius	Toe radius	Area of section	Distance to centre of gravity		Second moment of area			
										I			
Serial size										Axis	Axis	Axis	Axis
A x B x t		h	b	s	r <sub>1</sub>	r <sub>2</sub>		C <sub>x</sub>	C <sub>y</sub>	x-x	y-y	u-u	v-v
mm x mm x mm	kg/m	mm	mm	mm	mm	mm	cm <sup>2</sup>	cm	cm	cm <sup>4</sup>	cm <sup>4</sup>	cm <sup>4</sup>	cm <sup>4</sup>
200 x 100 x 10	23.0	200	100	10	15	7.5	29.2	6.93	2.01	1219	210	1290	135
200 x 100 x 12	27.3	200	100	12	15	7.5	34.8	7.03	2.10	1441	247	1530	159
200 x 100 x 15	33.7	200	100	15	15	7.5	43.0	7.16	2.22	1759	299	1860	193
200 x 150 x 12	32.0	200	150	12	15	7.5	40.8	6.08	3.61	1653	803	2030	430
200 x 150 x 15	39.6	200	150	15	15	7.5	50.5	6.21	3.73	2023	979	2480	526
200 x 150 x 18	47.1	200	150	18	15	7.5	60.0	6.33	3.85	2376	1146	2920	623



## Unequal angles (UA) sizes

Radius of gyration <i>i</i>				Elastic modulus		Angle axis x-x to axis y-y tan <i>a</i>	Torsional constant  J	Equivalent slenderness coefficient		Mono- symmetry index  Ya	Designation  Serial size A x B x t mm x mm x mm
Axis	Axis	Axis	Axis	Axis	Axis			Min	Max		
x-x	y-y	u-u	v-v	x-x	y-y			Fa	Fa		
cm	cm	cm	cm	cm <sup>3</sup>	cm <sup>3</sup>			cm <sup>4</sup>	cm <sup>4</sup>		
6.46	2.68	6.65	2.15	93.3	26.3	0.263	10.7	5.26	7.92	13.90	200 x 100 x 10
6.43	2.67	6.63	2.14	111.0	31.3	0.262	18.0	4.42	6.57	11.50	200 x 100 x 12
6.40	2.64	6.58	2.12	137.0	38.4	0.260	34.3	3.54	5.17	9.19	200 x 100 x 15
6.36	4.44	7.05	3.25	119.0	70.5	0.552	20.9	4.43	5.70	6.97	200 x 150 x 12
6.33	4.40	7.01	3.23	147.0	86.9	0.551	39.9	3.53	4.50	5.55	200 x 150 x 15
6.29	4.37	6.98	3.22	174.0	103.0	0.549	67.9	2.93	3.72	4.60	200 x 150 x 18

Dimensions and properties to BS EN 10056-1

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