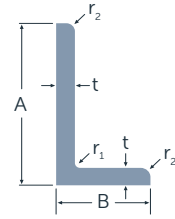
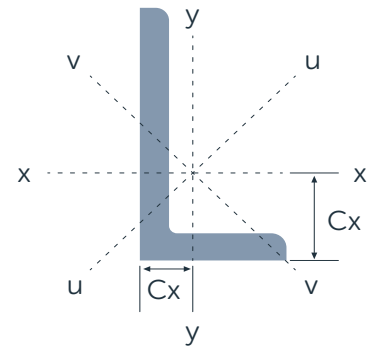


British Steel, the only UK manufacturer of structural sections, is BES 6001 certified, guaranteeing commitment to responsibly sourced materials. Our structural sections are CE marked and tested to the highest standards, providing quality and assurance for the UK construction market.



Unequal Angles (UA) sizes

Designation Serial size	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			
A x B x t		h	b	s	r ₁	r ₂		Cx	Cy	x-x	y-y	u-u	v-v
mm x mm x mm	kg/m	mm	mm	mm	mm	mm	cm ²	cm	cm	cm ⁴	cm ⁴	cm ⁴	cm ⁴
200x150x18	47.1	200	150	18	15	7.5	60.0	6.33	3.85	2,376	1,146	2,920	623
200x150x15	39.6	200	150	15	15	7.5	50.5	6.21	3.73	2,023	979	2,480	526
200x150x12	32.0	200	150	12	15	7.5	40.8	6.08	3.61	1,653	803	2,030	430
200x100x15	33.7	200	100	15	15	7.5	43.0	7.16	2.22	1,759	299	1,860	193
200x100x12	27.3	200	100	12	15	7.5	34.8	7.03	2.10	1,441	247	1,530	159
200x100x10	23.0	200	100	10	15	7.5	29.2	6.93	2.01	1,219	210	1,290	135



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	Equivalent slenderness coefficient		Mono- symmetry index Y _a	Indicative Nb.z.Rd* values for S355 steel for l _{cr} = 3.5m knN	Designation Serial size
Axis	Axis	Axis	Axis	Axis	Axis			Min	Max			
x-x	y-y	u-u	v-v	x-x	y-y			F _a	F _a			
cm ³	cm ³	cm ³		cm ³	cm ³							
6.29	4.37	6.98	3.22	174	103	0.549	67.9	2.93	3.72	4.60	<i>854</i>	200x150x18
6.33	4.40	7.01	3.23	147	86.9	0.551	39.9	3.53	4.50	5.55	<i>691</i>	200x150x15
6.36	4.44	7.05	3.25	119	70.5	0.552	20.9	4.43	5.70	6.97	<i>515</i>	200x150x12
6.40	2.64	6.58	2.12	137	38.4	0.260	34.3	3.54	5.17	9.19	<i>350</i>	200x100x15
6.43	2.67	6.63	2.14	111	31.3	0.262	18.0	4.42	6.57	11.5	<i>271</i>	200x100x12
6.46	2.68	6.65	2.15	93.3	26.3	0.263	10.7	5.26	7.92	13.9	<i>217</i>	200x100x10

Dimensions and properties to BS EN 10056-1.

* These sections are in addition to our standard range of sections to the BS EN 10056-1 specification.

** Values in italics indicate the section is Class 4 in pure compression and allowance has been made in calculating the resistance

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