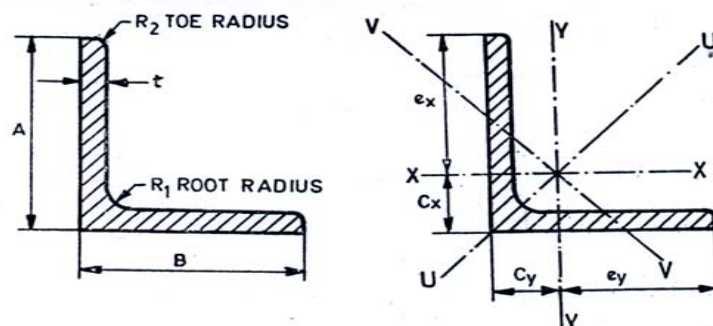


Nominal Dimensions, Mass and Sectional Properties of Hot Rolled Equal Leg Angles



Designation	Mass M Kg/m	Sectional area, a cm ²	Dimensions				Sectional Properties												
			AxB mmxmm	t mm	R ₁ mm	R ₂ mm	C _x cm	C _y cm	I _x cm ⁴	I _y cm ⁴	I _u (Max) cm ⁴	I _v (Min) cm ⁴	r _x cm	r _y cm	r _u (Max) cm	r _v (Min) cm	Z _x cm ³	Z _y cm ³	
ISA 75x75x6	6.8	8.66	75 x 75	6.0	7.0		2.06	2.06	45.7	45.7	73.1	18.4	2.30	2.30	2.91	1.46	8.4	8.4	
ISA 75x75x8	8.9	11.40	75 x 75	8.0			2.14	2.14	59.0	59.0	94.1	24.0	2.28	2.28	2.88	1.45	11.0	11.0	
ISA 75x75x10	11.0	14.00	75 x 75	10.0			2.22	2.22	71.4	71.4	113.0	29.4	2.26	2.26	2.84	1.45	13.5	13.5	
ISA 90x90x6	8.2	10.50	90 x 90	6.0	8.5		2.42	2.42	80.1	80.1	128.0	32.0	2.77	2.77	3.50	1.75	12.2	12.2	
ISA 90x90x8	10.8	13.80	90 x 90	8.0			2.51	2.51	104.0	104.0	166.0	42.0	2.75	2.75	3.47	1.75	16.0	16.0	
ISA 90x90x10	13.4	17.00	90 x 90	10.0			2.59	2.59	127.0	127.0	202.0	51.6	2.73	2.73	3.44	1.74	19.8	19.8	
ISA 100x100x8	12.1	15.40	100 x 100	8.0	8.5		2.76	2.76	145.0	145.0	232.0	58.4	3.07	3.07	3.88	1.95	20.0	20.0	
ISA 100x100x10	14.9	19.00	100 x 100	10.0			2.84	2.84	177.0	177.0	282.0	71.8	3.05	3.05	3.85	1.94	24.7	24.7	
ISA 100x100x12	17.7	22.60	100 x 100	12.0			2.92	2.92	207.0	207.0	329.0	84.7	3.03	3.03	3.82	1.94	29.2	29.2	
ISA 130x130x10	19.7	25.10	130 x 130	10.0	10.0	4.8	3.59	3.59	405.0	405.0	640.0	166.0	4.02	4.02	5.07	2.57	43.1	43.1	
ISA 130x130x12	23.5	29.90	130 x 130	12.0			3.67	3.67	476.0	476.0	757.0	196.0	3.99	3.99	5.03	2.56	51.0	51.0	
ISA 150x150x12	27.3	34.80	150 x 150	12.0	12	4.8	4.16	4.16	746.0	746.0	1190.0	306.0	4.63	4.63	5.84	2.97	68.8	68.8	
ISA 150x150x16	35.8	45.60	150 x 150	16.0			4.31	4.31	959.0	959.0	1520.0	395.0	4.58	4.58	5.77	2.94	89.7	89.7	
ISA 150x150x20	44.1	56.20	150 x 150	20.0			4.46	4.46	1160.0	1160.0	1830.0	481.0	4.53	4.53	5.71	2.93	110.0	110.0	