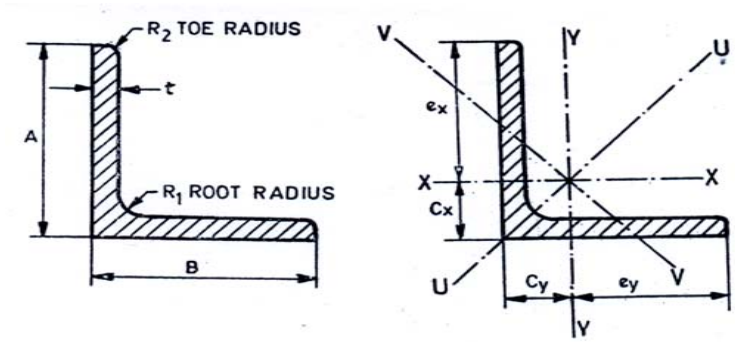
Nominal Dimensions, Mass and Sectional Properties of Hot Rolled Equal Leg Angles



Designation	Mass	Sectional	Dimensions				Sectional Properties											
	M	area,a	AxB	t	R_1	R_2	C_x	C_y	I_x	I_y	I_u (Max)	I_v (Min)	r_x	r_y	r_u (Max)	r_v (Min)	Z_x	Z_y
	Kg/m	cm^2	mmxmm	mm	mm	mm	cm	cm	cm^4	cm^4	cm^4	cm^4	cm	cm	cm	cm	cm^3	cm^3
ISA 110x110x10	16.6	21.1	110 x 110	10.0	10.0	4.8	3.09	3.09	240.0	240.0	381.0	98.9	3.37	3.37	4.25	2.16	30.4	30.4
ISA 110x110x12	19.7	25.1	110 x 110	12.0	10.0	4.8	3.17	3.17	281.0	281.0	446.0	116	3.35	3.35	4.22	2.15	35.9	35.9
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	10.0	4.8	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	12	4.8	4.31	4.31	959.0	959.0	1520.0	395.0	4.58	4.58	5.77	2.94	89.7	89.7