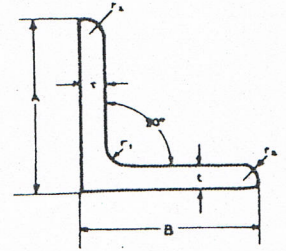
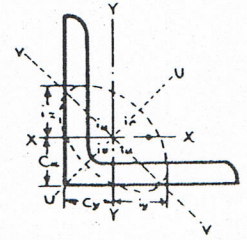


EQUAL ANGLES



Size	Leg Length		Thickness		Corner Radius				Sectional Area		Weight		
	A-B		t		r ₁		r ₂						
A x B x t	mm	in	mm	in	mm	in	mm	in	cm ²	in ²	kg/m	kg/ft	lb/ft
25 x 25 x 3	* 25	.984	5	.197	4	.157	3	.118	2.246	.3481	1.76	.537	1.183
40 x 40 x 3	40	1.575	3	.188	4.5	.177	2	.0787	2.336	.3621	1.83	.559	1.230
40 x 40 x 5	40	1.575	5	.197	4.5	.177	3	.118	3.755	.5820	2.95	.899	1.982
50 x 50 x 4	50	1.969	4	.157	6.5	.256	3	.118	3.892	.6033	<u>3.06</u>	.931	2.052
50 x 50 x 5	50	1.969	5	.197	6.5	.256	3	.118	4.802	.7443	<u>3.77</u>	1.15	2.533
50 x 50 x 6	50	1.969	6	.236	6.5	.256	4.5	.177	5.64	.8748	<u>4.43</u>	1.35	2.976
50 x 50 x 8	50	1.969	8	.315	6.5	.256	4.5	.177	7.364	1.141	5.78	1.76	3.884
65 x 65 x 6	65	2.559	6	.236	8.5	.335	4	.157	7.527	1.167	<u>5.91</u>	1.80	3.968
65 x 65 x 8	65	2.559	8	.315	8.5	.335	6	.236	9.761	1.513	7.66	2.34	5.159
75 x 75 x 6	75	2.953	6	.236	8.5	.335	4	.157	8.727	1.363	<u>6.85</u>	2.09	4.608
80 x 80 x 6	80	3.150	6	.236	8.5	.335	4	.157	9.327	1.446	7.32	2.23	4.916
80 x 80 x 9	80	3.150	9	.354	8.5	.335	6	.236	13.59	2.196	10.7	3.25	7.190
80 x 80 x 12	80	3.150	12	.472	8.5	.335	6	.236	17.76	2.753	13.9	4.25	9.340
90 x 90 x 6	90	3.543	6	.236	10	.394	5	.197	10.55	1.635	<u>8.28</u>	2.53	5.570
90 x 90 x 7	90	3.543	7	.276	10	.394	5	.197	12.22	1.894	9.59	2.92	6.437
90 x 90 x 8	90	3.543	8	.315	11	.432	5	.197	13.90	2.155	10.90	3.33	7.332
90 x 90 x 10	90	3.543	10	.394	10	.394	7	.276	17.00	2.635	13.3	4.07	8.973
90 x 90 x 12	90	3.543	12	.472	11	.432	5	.197	20.30	3.147	15.9	4.85	10.700
90 x 90 x 13	90	3.543	13	.512	10	.394	7	.276	21.71	3.365	17.0	5.20	11.464
100 x 100 x 7	100	3.937	7	.276	10	.394	5	.197	13.62	2.111	<u>10.7</u>	3.26	7.187
100 x 100 x 8	100	3.937	8	.315	10	.394	5	.197	15.47	2.398	12.1	3.69	8.131
100 x 100 x 10	100	3.937	10	.394	10	.394	7	.276	19.00	2.945	14.9	4.55	10.031
100 x 100 x 12	100	3.937	12	.472	12	.472	5	.197	22.70	3.519	17.8	5.43	11.974
100 x 100 x 13	100	3.937	13	.512	10	.394	7	.276	24.31	3.768	19.1	5.82	12.830
100 x 100 x 15	100	3.937	15	.591	12	.472	5	.197	27.9	4.325	21.9	6.68	14.732

ANGLES



Centre of Gravity		Moment of Inertia						Radius of Gyration						Modulus of Section		Size
Cx-Cy		Jx-Jy		Max Ju		Min Jv		ix-iy		Max i _u		Min i _v		Zx-Zy		
cm	in	cm ⁴	in ⁴	cm ⁴	in ⁴	cm ⁴	in ⁴	cm	in	cm	in	cm	in	cm ³	in ³	A x B x t
.72	.283	.80	.019	1.26	.030	.33	.008	.75	.295	.94	.370	.48	.189	.45	.0275	25 x 25 x 3
1.09	.429	3.53	.085	5.60	.135	1.45	.035	1.23	.484	1.55	.610	.79	.311	1.21	.0738	40 x 40 x 3
1.117	.461	5.42	.130	8.59	.206	2.25	.054	1.20	.472	1.51	.595	.77	.303	1.91	.117	40 x 40 x 5
1.37	.539	9.06	.218	14.4	.346	3.74	.090	1.53	.602	1.92	.756	.98	.386	2.49	.152	50 x 50 x 4
1.41	.554	11.1	.255					1.52	.597			.98	.386	3.08	.188	50 x 50 x 5
1.44	.567	12.6	.303	20.0	.481	5.24	.126	1.50	.591	1.88	.740	.96	.378	3.55	.217	50 x 50 x 6
1.52	.598	16.1	.387	25.4	.610	6.78	.163	1.48	.583	1.86	.732	.96	.378	5.62	.282	50 x 50 x 8
1.81	.713	29.4	.706	46.6	1.120	12.1	.291	1.98	.780	2.49	.980	1.27	.500	6.27	.383	65 x 65 x 6
1.88	.740	36.8	.884	58.3	1.401	15.3	.368	1.94	.764	2.44	.961	1.25	.492	7.97	.486	65 x 65 x 8
2.06	.811	46.1	1.108	73.2	1.759	19.0	.457	2.30	.906	2.90	1.142	1.47	.579	8.41	.517	75 x 75 x 6
2.19	.862	56.4	1.355	89.6	2.153	23.2	.557	2.46	.969	3.10	1.220	1.58	.622	9.70	.592	80 x 80 x 6
2.30	.906	79.2	1.903	126	3.027	32.7	.786	2.41	.949	3.04	1.200	1.55	.610	13.9	.848	80 x 80 x 9
2.41	.949	101	2.427	160	3.044	42.2	1.014	2.38	.937	3.00	1.181	1.54	.606	18.1	1.105	80 x 80 x 12
2.42	.951	80.7	1.937	127	3.048	33.3	.799	2.77	1.089	3.47	1.363	1.78	.700	12.3	.756	90 x 90 x 6
2.46	.969	93.0	2.234	148	3.557	28.3	.920	2.76	1.087	3.48	1.370	1.77	.697	14.2	.867	90 x 90 x 7
2.50	.983	104.0	2.496	166	3.984	43.1	1.034	2.74	1.077	3.45	1.356	1.76	.692	16.1	.990	90 x 90 x 8
2.58	1.016	125	3.003	199	4.781	51.6	1.240	2.71	1.067	3.42	1.346	1.74	.685	19.5	1.190	90 x 90 x 10
2.66	1.045	148	3.552	234	5.616	61.7	1.481	2.70	1.061	3.40	1.336	1.75	.688	23.3	1.432	90 x 90 x 12
2.69	1.059	156	3.748	248	5.958	65.3	1.569	2.68	1.055	3.38	1.331	1.73	.681	24.8	1.515	90 x 90 x 13
2.71	1.067	129	3.099	205	4.925	51.3	1.276	3.08	1.213	3.88	1.528	1.97	.776	17.7	1.080	100 x 100 x 7
2.75	1.083	146	3.508	234	5.622	58.7	1.410	3.07	1.209	3.89	1.531	1.95	.768	20.1	1.226	100 x 100 x 8
2.83	1.114	175	4.204	278	6.679	71.9	1.727	3.03	1.193	3.83	1.508	1.95	.768	24.4	1.489	100 x 100 x 10
2.90	1.140	207	4.968	328	7.872	85.7	2.057	3.02	1.187	3.80	1.493	1.94	.762	29.1	1.789	100 x 100 x 12
2.94	1.157	220	5.285	348	8.361	91.0	2.186	3.00	1.181	3.78	1.488	1.93	.760	31.1	1.891	100 x 100 x 13
3.02	1.187	249	5.976	393	9.432	104.0	2.496	2.98	1.171	3.75	1.474	1.93	.758	35.6	2.188	100 x 100 x 15