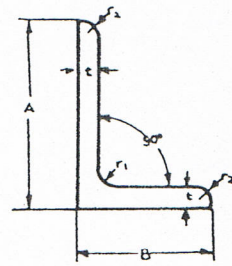
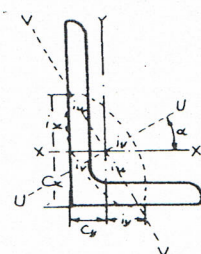


UNEQUAL ANGLES



Size	Leg Length				Thickness		Corner Radius				Sectional Area		Weight			Centre of Gravity				
	A		B		t		r1		r2							Cx		Cy		
A x B x t	mm	in	mm	in	mm	in	mm	in	mm	in	cm ²	in ²	kg/m	kg/ft	lb/ft	cm	in	cm	in	
75 x 50 x 6	75	2.953	50	1.969	6	.236	8.5	.335	4	.157	7.23	1.12	5.67	1.73	3.180	2.43	.959	1.20	.472	
100 x 75 x 7	*100	3.937	75	2.953	7	.276	10	.394	5	.197	11.87	1.840	9.32	2.84	6.263	3.06	1.205	1.84	.724	
100 x 75 x 8	100	3.937	75	2.953	8		10	.394	5	.197	13.5	2.093	10.6	3.23	7.131	3.10	1.218	1.87	.735	
100 x 75 x 10	*100	3.937	75	2.953	10	.394	10	.394	7	.276	16.50	2.557	13.0	3.95	8.736	3.18	1.252	1.94	.764	
100 x 75 x 12	100	3.937	75	2.953	12		10	.394	5	.197	19.20	3.054	15.4	4.70	10.360	3.27	1.285	2.03	.798	
100 x 75 x 13	100	3.937	75	2.953	13	.512	10	.394	7	.276	21.06	3.264	16.5	5.04	11.087	3.30	1.300	2.06	.811	
125 x 75 x 7	125	4.921	75	2.952	7	.276	10	.394	5	.197	13.62	2.111	10.7	3.26	7.190	4.10	1.614	1.64	.646	
125 x 75 x 8																				
125 x 75 x 10	125	4.921	75	2.953	10	.394	10	.394	7	.276	19.00	2.945	14.9	4.55	10.012	4.23	1.665	1.75	.689	
125 x 75 x 12																				
125 x 75 x 13	125	4.921	75	2.953	13	.512	10	.394	7	.276	24.31	3.768	19.1	5.82	12.835	4.35	1.713	1.87	.736	
125 x 90 x 7	125	4.921	90	3.543	7	.276	10	.394	5	.197	14.67	2.274	11.5	3.51	7.728	3.84	1.512	2.11	.831	
125 x 90 x 10	125	4.921	90	3.543	10	.394	10	.394	7	.276	20.50	3.177	16.1	4.91	10.819	3.95	1.555	2.22	.874	
125 x 90 x 13	125	4.921	90	3.543	13	.512	10	.394	7	.276	26.26	4.070	20.6	6.28	13.843	4.08	1.606	2.34	.921	
150 x 75 x 7	150	5.906	75	2.953	7	.276	12	.472	5	.197	15.46	2.396	12.1	3.70	8.131	5.17	2.035	1.50	.591	
150 x 75 x 9	*150	5.906	75	2.953	9	.354	12	.472	8.5	.335	19.44	3.013	15.3	4.65	10.281	5.25	2.067	1.56	.614	
150 x 75 x 10	150	5.906	75	2.953	10		11	.432	5	.197	21.6	3.348	17.0	5.19	11.436	5.32	2.091	1.61	.633	
150 x 75 x 12	150	5.906	75	2.953	12	.472	12	.472	8.5	.335	25.56	3.962	20.1	6.12	13.507	5.39	2.122	1.68	.661	
150 x 75 x 15	150	5.906	75	2.953	12		11	.432	5	.197	25.70	3.984	20.2	6.15	13.589	5.41	2.126	1.69	.664	
150 x 90 x 9	*150	5.906	90	3.543	9	.354	12	.472	6	.236	20.94	3.246	16.4	5.01	11.020	4.96	1.953	2.00	.787	
150 x 90 x 10																				
150 x 90 x 12	*150	5.906	90	3.543	12	.472	12	.472	8.5	.335	27.36	4.241	21.5	6.55	14.447	5.07	1.996	2.10	.828	
150 x 90 x 15	150	5.906	90	3.543	15	.591	12	.472	8.5	.335	33.75	5.231	26.5	8.08	17.807	5.20	2.047	2.22	.874	
150 x 100 x 9	*150	5.906	100	3.937	9	.354	12	.472	6	.236	21.84	3.385	17.1	5.23	11.490	4.77	1.878	2.32	.913	
150 x 100 x 12	150	5.906	100	3.937	12	.472	12	.472	8.5	.335	28.56	4.427	22.4	6.83	15.052	4.88	1.921	2.41	.949	
150 x 100 x 15	150	5.906	100	3.937	15	.591	12	.472	8.5	.335	35.25	5.464	27.7	8.44	18.614	5.01	1.972	2.53	.996	
175 x 90 x 9	175	6.890	90	3.543	9	.354	12	.472	6	.236	23.19	3.594	18.2	5.55	12.20	6.04	2.373	1.85	.728	
175 x 90 x 12	175	6.890	90	3.543	12	.472	12	.472	8.5	.335	30.36	4.706	23.8	7.27	15.993	6.16	2.425	1.96	.772	
175 x 90 x 15	175	6.890	90	3.543	15	.591	12	.472	8.5	.335	37.50	5.812	29.4	8.97	19.756	6.29	2.476	2.08	.819	
200 x 100 x 10	200	7.874	110	3.937	10	.394	15	.591	5	.197	29.2	4.526	23.0	7.02	15.472	6.93	2.723	2.01	.790	
200 x 100 x 12	200	7.874	110	3.937	12	.472	15	.591	5	.197	34.8	5.394	27.3	8.33	18.365	7.03	2.763	2.10	.825	
200 x 100 x 15	200	7.874	110	3.937	15	.591	15	.591	5	.197	43.0	6.665	33.7	10.28	22.670	7.16	2.814	2.22	.872	
200 x 150 x 12	200	7.874	150	5.906	12	.472	15	.591	5	.197	40.8	6.324	32.0	9.76	21.526	6.08	2.389	3.61	1.419	
200 x 150 x 15	200	7.874	150	5.906	15	.591	15	.591	5	.197	50.5	7.828	39.6	12.08	26.639	6.21	2.441	3.73	1.466	
200 x 150 x 18	200	7.874	150	5.906	18	.707	15	.591	5	.197	60.0	9.3	47.1	14.37	31.684	6.33	2.488	3.85	1.513	



Moment of Inertia								Radius of Gyration								tan a	Modulus of Section				Size
Jx		Jy		Max J _u		Min J _v		i _z		i _y		Max i _u		Min i _v			Z _x		Z _y		A x B x t
cm ⁴	in ⁴	cm ⁴	in ⁴	cm ⁴	in ⁴	cm ⁴	in ⁴	cm	in	cm	in	cm	in	cm	in		cm ³	in ³	cm ³	in ³	
40.4	.971	14.4	.346	46.4	1.115	8.33	.200	2.36	.929	1.41	.555	2.53	.996	1.07	.421	.434	7.97	.486	3.78	.231	75 x 50 x 6
118	2.835	57.0	1.369	144	3.460	30.7	.738	3.15	1.240	2.19	.862	3.49	1.374	1.61	.634	.548	17.0	1.037	10.1	.616	100 x 75 x 7
133	3.192	64.1	1.538	162	3.888	34.6	.830	3.14	1.234	2.18	.857	3.47	1.364	1.60	.629		19.3	1.186	11.4	.701	100 x 75 x 8
159	3.820	76.1	1.828	194	4.661	41.3	.992	3.11	1.224	2.15	.846	3.43	1.350	1.58	.622	.543	23.3	1.422	13.7	.836	100 x 75 x 10
189	4.536	90.22	.165	230	5.52	49.5	1.188	3.20	1.218	2.14	.841	3.42	1.344	1.59	.625	.543	28.0	1.721	6.5	1.014	100 x 75 x 12
199	4.781	94.8	2.278	242	5.814	52.2	1.254	3.08	1.213	2.12	.835	3.39	1.355	1.57	.618	.538	29.7	1.812	17.4	1.062	100 x 75 x 13
219	5.261	60.4	1.451	243	5.138	36.4	.875	4.01	1.579	2.11	.831	4.23	1.665	1.63	.642	.362	26.1	1.593	10.3	.629	125 x 75 x 7
																					125 x 75 x 8
298	7.159	80.9	1.944	330	7.928	49.0	1.177	3.96	1.559	2.06	.811	4.17	1.642	1.61	.634	.357	36.1	2.203	14.1	.860	125 x 75 x 10
																					125 x 75 x 12
																					125 x 75 x 13
376	9.033	101	2.427	414	9.946	6.19	1.487	3.93	1.547	2.04	.803	4.13	1.616	1.60	.630	.352	46.1	2.813	17.9	1.092	125 x 75 x 13
233	5.598	102	2.451	279	6.703	56.2	1.350	3.99	1.571	2.64	1.039	4.36	1.717	1.96	.772	.510	26.9	1.642	14.8	.903	125 x 90 x 7
318	7.640	138	3.315	380	9.129	76.1	1.828	3.94	1.551	2.59	1.020	4.30	1.693	1.93	.760	.506	37.2	2.270	20.4	1.245	125 x 90 x 10
401	9.634	165	3.964	479	11.51	87.2	2.095	3.91	1.539	2.51	.938	4.27	1.681	1.82	.717	.499	47.5	2.899	24.8	1.513	125 x 90 x 13
364	8.745	63.1	1.516	386	9.274	40.5	.973	4.85	1.909	2.02	.795	5.00	1.969	1.62	.638	.265	37.0	2.258	10.5	.641	150 x 75 x 7
446	7.151	75.6	1.816	473	11.36	48.5	1.170	4.79	1.886	1.97	.776	4.93	1.941	1.58	.622	.260	45.8	2.795	12.7	.775	150 x 75 x 9
501	12.024	85.8	2.059	532	12.768	55.3	1.327	4.81	1.890	1.99	.782	4.96	1.949	1.60	6.29		51.8	3.184	14.6	.898	150 x 75 x 10
580	13.93	97.4	2.340	614	14.75	63.3	1.521	4.76	1.874	1.95	.768	4.90	1.929	1.57	.618	.257	60.3	3.680	16.	1.019	150 x 75 x 12
589	14.136	99.9	2.398	624	14.976	64.9	1.558	4.79	1.882	1.97	.774	4.93	1.937	1.59	.625		61.4	3.775	17.2	1.057	150 x 75 x 15
484	16.63	133	3.195	537	12.90	80.2	1.927	4.81	1.894	2.52	.992	5.06	1.992	1.96	.772	.362	48.2	2.941	19.0	1.159	150 x 90 x 9
																					150 x 90 x 10
619	14.87	168	4.036	684	16.43	102	2.451	4.75	1.870	2.47	.972	5.00	1.969	1.93	.760	.357	62.3	3.802	24.3	1.483	150 x 90 x 12
750	18.09	202	4.853	831	19.96	124	2.979	4.72	1.858	2.45	.965	5.96	1.953	1.92	.756	.353	76.8	4.687	29.9	1.825	150 x 90 x 15
502	12.06	179	4.300	580	13.93	101	2.427	4.79	1.886	2.86	1.126	5.15	2.028	2.15	.846	.441	49.0	2.990	23.3	1.422	150 x 100 x 9
642	15.42	229	5.502	738	17.73	133	3.195	4.74	1.866	2.83	1.114	5.08	2.000	2.15	.846	.435	63.4	3.869	30.2	1.843	150 x 100 x 12
781	18.76	276	6.631	897	21.55	161	3.868	4.71	1.854	2.80	1.102	5.04	1.984	2.14	.843	.432	78.2	4.772	37.0	2.258	150 x 100 x 15
741	17.80	138	3.315	790	18.93	78.4	1.884	5.65	2.224	2.44	.961	5.84	2.299	1.84	.724	.277	64.6	3.942	19.3	1.178	175 x 90 x 9
950	22.82	174	4.180	1010	24.37	111	2.667	5.60	2.205	2.39	.941	5.78	2.276	1.91	.752	.274	83.8	5.114	24.7	1.507	175 x 90 x 12
1160	28.87	210	5.045	1230	29.55	136	3.267	5.56	2.189	2.37	.933	5.74	2.260	1.90	.748	.270	103	6.285	30.4	1.855	175 x 90 x 15
1220	29.28	210	5.04	1290	30.96	135	3.24	6.46	2.539	2.68	1.053	6.65	2.613	2.15	.845	.93.2	5.729	263	1.617		200 x 100 x 10
1440	34.56	247	5.928	1530	36.72	159	3.816	6.43	2.527	2.67	1.049	6.63	2.606	2.14	.841	111.0	6.824	31.3	1.424		200 x 100 x 12
1758	42.192	299	7.176	1860	44.64	194	4.656	6.40	2.515	2.64	1.038	6.58	2.586	2.12	.833	137.0	8.422	38.4	2.361		200 x 100 x 15
1652	39.648	803	19.272	2030	48.72	430	10.32	6.36	2.499	4.44	1.745	7.04	2.767	3.25	1.277	119.0	7.315	70.5	4.334		200 x 150 x 12
2022	48.528	979	23.496	2480	59.52	526	12.696	6.33	2.488	4.40	1.729	7.00	2.751	3.23	1.269	147.0	9.036	86.9	5.342		200 x 150 x 15
2376	51.024	146	27.504	2900	69.6	618	14.832	6.29	2.472	4.37	1.717	6.96	2.735	3.21	1.262	174.0	90.69	7.1030	6.332		200 x 150 x 18