

# Unequal Angles



Standard dimension			Reference									
Designation	Section area	Unit weight	Elastic modulus Axis (cm <sup>3</sup> )		Radius of gyration (cm)				Second Moment of Area (cm <sup>4</sup> )			
	(cm <sup>2</sup> )		x-x	y-y	x-x	y-y	u-u	v-v	x-x	y-y (max)	u-u (min)	v-v
200 x 150 x 18	60.0	47.1	174.0	103.0	6.29	4.37	6.96	3.21	2376	1146	2904	618
200 x 150 x 15	50.5	39.6	147.0	86.9	6.33	4.40	7.00	3.23	2022	979	2476	526
200 x 150 x 12	40.8	32.0	119.0	70.5	6.36	4.44	7.04	3.25	1650	803	2030	430
200 x 100 x 15	43.0	33.75	137.00	38.5	6.40	2.64	6.59	2.12	1758	299	1864	193
200 x 100 x 12	34.8	27.3	111.0	31.3	6.43	2.67	6.63	2.14	1440	247	1530	159
200 x 100 x 10	29.2	23.0	93.2	26.3	6.46	2.68	6.65	2.15	1220	210	1290	135
150 x 90 x 15	26.6	26.6	77.7	30.4	4.74	2.46	4.98	1.93	761	205	841	126
150 x 90 x 12	27.5	21.6	63.3	24.8	4.77	2.49	5.02	1.94	627	171	694	104
150 x 90 x 10	23.2	18.2	53.3	21.0	4.80	2.51	5.05	1.95	533	146	591	88.3
150 x 75 x 15	31.7	24.8	75.2	21.0	4.75	1.94	4.88	1.58	713	119	753	78.6
150 x 75 x 12	25.7	20.2	61.3	17.1	4.78	1.97	4.92	1.59	588	99.6	623	64.7
150 x 75 x 10	21.7	17.0	51.6	14.5	4.81	1.99	4.95	1.60	501	85.6	531	55.1
125 x 75 x 12	22.7	17.8	43.2	16.9	3.95	2.05	4.15	1.61	354	95.5	391	58.5
125 x 75 x 10	19.1	15.0	36.5	14.3	3.97	2.07	4.18	1.61	302	82.1	334	49.9
125 x 75 x 8	15.5	12.2	29.6	11.6	4.00	2.09	4.21	1.63	247	67.6	274	40.9
100 x 75 x 12	19.7	15.4	28.0	16.5	3.10	2.14	3.42	1.59	189	90.2	230	49.5
100 x 75 x 10	16.6	13.0	23.8	14.0	3.12	2.16	3.45	1.59	162	77.6	197	42.2
100 x 75 x 8	13.5	10.6	19.3	11.4	3.14	2.18	3.47	1.60	133	64.1	162	34.6
100 x 65 x 10	15.6	12.3	23.2	10.5	3.14	1.81	3.35	1.39	154	51.0	175	30.1
100 x 65 x 8	12.7	9.94	18.90	8.54	3.16	1.83	3.37	1.40	127	42.2	144	24.8
100 x 65 x 7	11.2	8.77	16.60	7.53	3.17	1.83	3.39	1.40	113	37.6	128	22.0

(The information given on these tables is for initial information only. Any use of these figures is at users own risk.)