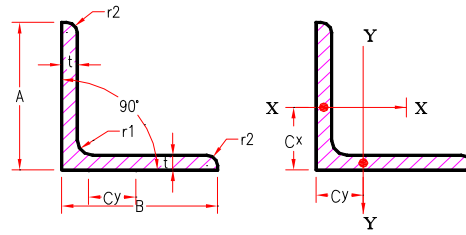




T-REX STEEL CO., LTD.  
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# EQUAL ANGLE

Dimensions (mm.)					Sectional Area (cm <sup>2</sup> )	Weight (kg/m.)	Position of Center of Gravity (cm)		Moment of Inertia (cm <sup>4</sup> )				Radius of Gyration (cm)				Modulus of Section (cm <sup>3</sup> )	
A	B	t	r1	r2			Cx	Cy	Ix	Iy	max Iu	min Iv	rx	ry	max ru	min rv	Sx	Sy
25	25	3	4	2	1.427	1.12	0.719	0.719	0.797	0.797	1.26	0.332	0.747	0.747	0.94	0.483	0.448	0.448
25	30	3	4	2	1.727	1.36	0.844	0.844	1.42	1.42	2.26	0.59	0.908	0.908	1.14	0.585	0.661	0.661
40	40	3	4.5	2	2.336	1.83	1.09	1.09	3.53	3.53	5.6	1.46	1.23	1.23	1.55	0.79	1.21	1.21
45	45	4	6.5	3	3.492	2.74	1.27	1.24	6.5	6.5	10.3	2.7	1.36	1.36	1.72	0.88	2	2
45	45	5	6.5	3	4.302	3.38	1.28	1.28	7.91	7.91	12.5	3.29	1.36	1.36	1.71	0.874	2.46	2.46
50	50	4	6.5	3	3.892	3.06	1.37	1.37	9.06	9.06	14.4	3.76	1.53	1.53	1.92	0.983	2.49	2.49
50	50	5	6.5	3	4.802	3.77	1.41	1.41	11.1	11.1	17.5	4.58	1.52	1.52	1.91	0.976	3.08	3.08
50	50	6	6.5	4.5	5.644	4.43	1.44	1.44	12.6	12.6	20	5.23	1.5	1.5	1.88	0.963	3.55	3.55
60	60	4	6.5	3	4.692	3.68	1.61	1.61	16	16	25.4	6.62	1.85	1.85	2.33	1.19	3.66	3.66
60	60	5	6.5	3	5.802	4.55	1.66	1.66	19.6	19.6	31.2	8.09	1.84	1.84	2.32	1.18	4.52	4.52
65	65	5	8.5	3	6.367	5	1.77	1.77	25.3	25.3	40.1	10.5	1.99	1.99	2.51	1.28	5.35	5.35
65	65	6	8.5	4	7.527	5.91	1.81	1.81	29.4	29.4	46.6	12.2	1.98	1.98	2.49	1.27	6.26	6.26
65	65	8	8.5	6	9.761	7.66	1.88	1.88	36.8	36.8	58.3	15.3	1.94	1.94	2.44	1.25	7.96	7.96
70	70	6	8.5	4	8.127	6.38	1.93	1.93	37.1	37.1	58.9	15.3	2.14	2.14	2.69	1.37	7.33	7.33
75	75	6	8.5	4	8.727	6.85	2.06	2.06	46.1	46.1	73.2	19	2.3	2.3	2.9	1.48	8.47	8.47
75	75	9	8.5	6	12.69	9.96	2.17	2.17	64.4	64.4	102	26.7	2.25	2.25	2.84	1.45	12.1	12.1
75	75	12	8.5	6	16.56	13	2.29	2.29	81.9	81.9	129	34.5	2.22	2.22	2.79	1.44	15.7	15.7
80	80	6	8.5	4	9.327	7.32	2.18	2.18	56.4	56.4	89.6	23.2	2.46	2.46	3.1	1.58	9.7	9.7
90	90	6	10	5	10.55	8.28	2.42	2.42	80.7	80.7	128	33.4	2.77	2.77	3.48	1.78	12.3	12.3
90	90	7	10	5	12.22	9.59	2.46	2.46	93	93	148	38.3	2.76	2.76	3.48	1.77	14.2	14.2
90	90	10	10	7	17	13.3	2.57	2.57	125	125	199	51.7	2.71	2.71	3.42	1.74	19.5	19.5
90	90	13	10	7	21.71	17	2.69	2.69	156	156	248	65.3	2.68	2.68	3.38	1.73	24.8	24.8
100	100	7	10	5	13.62	10.7	2.71	2.71	129	129	205	53.2	3.08	3.08	3.88	1.98	17.7	17.7
100	100	10	10	7	19	14.9	2.82	2.82	175	175	278	72	3.04	3.04	3.83	1.95	24.4	24.4
100	100	13	10	7	24.31	19.1	2.94	2.94	220	220	348	91.1	3	3	3.78	1.94	31.1	31.1
120	120	8	12	5	18.76	14.7	3.24	3.24	258	258	410	106	3.71	3.71	4.67	2.38	29.5	29.5
130	130	9	12	6	22.74	17.9	3.53	3.53	366	366	583	150	4.01	4.01	5.06	2.57	38.7	38.7
130	130	12	12	8.5	29.76	23.4	3.64	3.64	467	467	743	192	3.96	3.96	5	2.54	49.9	49.9
130	130	15	12	8.5	36.75	28.8	3.76	3.76	568	568	902	234	3.93	3.93	4.95	2.53	21.5	21.5
150	150	12	14	7	34.77	27.3	4.14	4.14	740	740	1180	304	4.61	4.61	5.82	2.96	68.1	68.1
150	150	15	14	10	42.74	33.6	4.24	4.24	888	888	1410	365	4.56	4.56	5.75	2.92	82.6	82.6
150	150	19	14	10	53.38	41.9	4.4	4.4	1090	1090	1730	451	4.52	4.52	5.69	2.91	103	103
175	175	12	15	11	40.52	31.8	4.73	4.73	1170	1170	1860	480	5.38	5.38	6.78	3.44	91.8	91.8
175	175	15	15	11	50.21	39.4	4.85	4.85	1440	1440	2290	589	5.35	5.35	6.75	3.42	114	114
200	200	15	17	12	57.75	45.3	5.46	5.46	2180	2180	3470	891	6.14	6.14	7.75	3.93	150	150
200	200	20	17	12	76	59.7	5.67	5.67	2820	2820	4490	1160	6.09	6.09	7.68	3.9	197	197
200	200	25	17	12	93.75	73.6	5.86	5.86	3420	3420	5420	1410	6.04	6.04	7.61	3.88	242	242
250	250	25	24	12	119.4	93.7	7.1	7.1	6950	6950	11000	2860	7.63	7.63	9.62	4.9	388	388
250	250	35	24	18	162.6	128	7.45	7.45	9110	9110	14400	3790	7.49	7.49	9.42	4.83	519	519