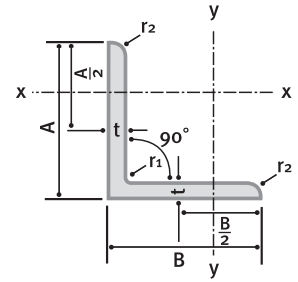


9. Equal Angles 등변 각형강



Dimensions and Sectional Properties 치수 및 단면성능

KSD 3503, 3515/3502

공칭치수 Nominal Size(mm)	표준 단면 치수 Standard Sectional Dimension(mm)				단면적 Sectional Area(cm ²)	단위무게 Unit Weight (kg/m)	중심의 위치 Center of Gravity(cm)	단면 2차 모멘트 Moment of Inertia(cm ⁴)			단면 2차 반경 Radius of Gyration(cm)			단면계수 Modulus of Section(cm ³)
	A x B	t	r ₁	r ₂				A	W	C _x =C _y	I _x =I _y	max. I _u	min I _v	
25 x 25	*25 x 25	3	4	2	1.427	1.12	0.719	0.797	1.26	0.332	0.747	0.940	0.483	0.448
30 x 30	*30 x 30	3	4	2	1.727	1.36	0.844	1.42	2.26	0.590	0.908	1.14	0.585	0.661
40 x 40	*40 x 40	5	4.5	3	3.755	2.95	1.17	5.42	8.59	2.25	1.20	1.51	0.774	1.91
45 x 45	45 x 45	4	6.5	3	3.492	2.74	1.24	6.50	10.3	2.69	1.36	1.72	0.88	2.00
	45 x 45	5	6.5	3	4.302	3.38	1.28	7.91	12.5	3.29	1.36	1.71	0.874	2.46
50 x 50	50 x 50	4	6.5	3	3.892	3.06	1.37	9.06	14.4	3.76	1.53	1.92	0.983	2.49
	50 x 50	5	6.5	3	4.082	3.77	1.41	11.1	17.5	4.58	1.52	1.91	0.976	3.08
	50 x 50	6	6.5	4.5	5.644	4.43	1.44	12.6	20.0	5.23	1.50	1.88	0.963	3.55
60 x 60	60 x 60	4	6.5	3	4.692	3.68	1.61	16.0	25.4	6.62	1.85	2.33	1.19	3.66
	60 x 60	5	6.5	3	5.802	4.55	1.66	19.6	31.2	8.09	1.84	2.32	1.18	4.52
	60 x 60	6	6.5	4.5	6.844	5.37	1.69	22.6	35.9	9.3	1.82	2.29	1.17	5.24
65 x 65	65 x 65	5	8.5	3	6.367	5.00	1.77	25.3	40.1	10.5	1.99	2.51	1.28	5.36
	65 x 65	6	8.5	4	7.527	5.91	1.81	29.4	46.6	12.2	1.98	2.49	1.27	6.26
	65 x 65	8	8.5	6	9.761	7.66	1.88	36.8	58.3	15.3	1.94	2.44	1.25	7.96
70 x 70	70 x 70	6	8.5	4	8.127	6.38	1.93	37.1	58.9	15.3	2.14	2.69	1.37	7.33
75 x 75	75 x 75	6	8.5	4	8.727	6.85	2.06	46.1	73.2	19.0	2.30	2.90	1.48	8.47
	75 x 75	9	8.5	6	12.69	9.96	2.17	64.4	102	26.7	2.25	2.84	1.45	12.1
	75 x 75	12	8.5	6	16.56	13.0	2.29	81.9	129	34.5	2.22	2.79	1.44	15.7
80 x 80	80 x 80	6	8.5	4	9.327	7.32	2.18	56.4	89.6	23.2	2.46	3.10	1.58	9.7
	80 x 80	7	8.5	4	10.797	8.48	2.23	64.2	102.4	26.8	2.44	3.08	1.58	11.12
90 x 90	90 x 90	6	10	5	10.55	8.28	2.42	80.7	128	33.4	2.77	3.48	1.78	12.3
	90 x 90	7	10	5	12.22	9.59	2.46	93	148	38.3	2.76	3.48	1.77	14.2
	90 x 90	8	10	7	13.764	10.8	2.50	104	165	42.8	2.74	3.46	1.76	16.0
	90 x 90	9	10	7	15.394	12.1	2.54	114	182	47.3	2.72	3.44	1.75	17.65
	90 x 90	10	10	7	17.0	13.3	2.57	125	199	51.7	2.71	3.42	1.74	19.5
	90 x 90	13	10	7	21.71	17.0	2.69	156	248	65.3	2.68	3.38	1.73	24.8
100 x 100	100 x 100	7	10	5	13.62	10.7	2.71	129	205	53.2	3.08	3.88	1.98	17.7
	100 x 100	8	10	8	15.36	12.1	2.75	144	229	59.4	3.06	3.86	1.97	19.86
	100 x 100	10	10	7	19.0	14.9	2.82	175	278	72.0	3.04	3.83	1.95	24.4
	100 x 100	13	10	7	24.31	19.1	2.94	220	348	91.1	3.00	3.78	1.94	31.1

공칭치수 Nominal Size(mm)	표준 단면 치수 Standard Sectional Dimension(mm)				단면적 Sectional Area(cm ²)	단위무게 Unit Weight (kg/m)	중심의 위치 Center of Gravity(cm)	단면 2차 모멘트 Moment of Inertia(cm ⁴)			단면 2차 반경 Radius of Gyration(cm)			단면계수 Modulus of Section(cm ³)
	A x B	t	r ₁	r ₂				A	W	C _x =C _y	I _x =I _y	max. I _u	min I _v	
120 x 120	120 x 120	8	12	5	18.76	14.7	3.24	258	410	106	3.71	4.67	2.38	29.5
130 x 130	130 x 130	9	12	6	22.74	17.9	3.53	366	583	150	4.01	5.06	2.57	38.7
	130 x 130	10	12	6	25.16	19.7	3.57	403	641	165	4.0	5.05	2.56	42.8
	130 x 130	12	12	8.5	29.76	23.4	3.64	467	743	192	3.96	5.0	2.54	49.9
	130 x 130	15	12	8.5	36.75	28.8	3.76	568	902	234	3.93	4.95	2.53	61.5
150 x 150	150 x 150	10	14	7	29.21	22.9	4.06	627	997	258	4.63	5.84	2.97	57.3
	150 x 150	12	14	7	34.77	27.3	4.14	740	1.180	304	4.61	5.82	2.96	68
	150 x 150	15	14	10	42.74	33.6	4.24	888	1.140	365	4.56	5.75	2.92	82.6
	150 x 150	19	14	10	53.38	41.9	4.40	1.090	1.730	451	4.52	5.69	2.91	103
175 x 175	175 x 175	12	15	11	40.52	31.8	4.73	1.170	1.860	480	5.38	6.78	3.44	91.8
	175 x 175	15	15	11	50.21	39.4	4.85	1.440	2.290	589	5.35	6.75	3.42	114
200 x 200	200 x 200	15	17	12	57.75	45.3	5.46	2.180	3.470	891	6.14	7.75	3.93	150
	200 x 200	20	17	12	76.0	59.7	5.67	2.820	4.490	1.160	6.09	7.68	3.90	197
	200 x 200	25	17	12	93.75	73.6	5.86	3.420	5.420	1.410	6.04	7.61	3.88	242
250 x 250	250 x 250	25	24	12	119.4	93.7	7.10	6.950	11.100	2.860	7.63	9.62	4.90	388
	250 x 250	35	24	18	162.6	128	7.45	9.110	14.400	3.790	7.49	9.42	4.83	519

Note : *는 별도주문판매 (These sizes indicated by an asterisk(*) are not included in regular rolling schedules.)