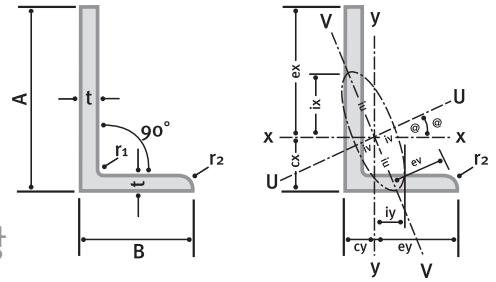


# 10. Unequal Angles 부등변 각형강

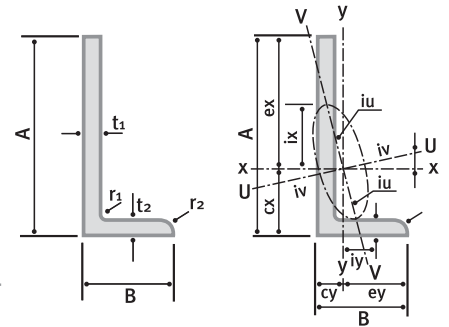


Dimensions and Sectional Properties 치수 및 단면성능

KS D 3503, 3515/3502

공칭치수 Nominal Size (mm)	표준 단면 치수 Standard Sectional Dimension (mm)				단면적 Sectional Area (cm <sup>2</sup> )	단위무게 Unit Weight (kg/m)	중심의 위치 Center of Gravity (cm)		단면 2차 모멘트 Moment of Inertia (cm <sup>4</sup> )				단면 2차 반경 Radius of Gyration (cm)				tan α	단면계수 Modulus of Section (cm <sup>3</sup> )	
	A x B	t	r <sub>1</sub>	r <sub>2</sub>			A	W	C <sub>x</sub>	C <sub>y</sub>	I <sub>x</sub>	I <sub>y</sub>	max. I <sub>u</sub>	min I <sub>v</sub>	i <sub>x</sub>	i <sub>y</sub>		max. i <sub>u</sub>	min i <sub>v</sub>
100 x 75	100 x 75	7	10	5	11.87	9.32	3.06	1.83	118	56.9	144	30.8	3.15	2.19	3.49	1.61	0.548	17.0	10.0
	100 x 75	10	10	7	16.50	13.0	3.17	1.94	159	76.1	194	41.3	3.11	2.15	3.43	1.58	0.543	23.3	13.7
125 x 75	125 x 75	7	10	5	13.62	10.7	4.10	1.64	219	60.4	243	36.4	4.01	2.11	4.23	1.64	0.362	26.1	10.3
	125 x 75	10	10	7	19.00	14.9	4.22	1.75	299	80.9	330	49.0	3.96	2.06	4.17	1.61	0.357	36.1	14.1
150 x 90	150 x 90	9	12	6	20.94	16.4	4.95	1.99	485	133	537	80.4	4.81	2.52	5.06	1.96	0.361	48.2	19.0
	150 x 90	2	12	8.5	27.36	21.5	5.07	2.01	619	167	685	102	4.76	2.47	5.00	1.93	0.357	62.3	24.3

# 11. Inverted Angles 부등변 부등후 각형강



Dimensions and Sectional Properties 치수 및 단면성능

KS D 3503, 3515/3502

공칭치수 Nominal Size (mm)	표준 단면 치수 Standard Sectional Dimension (mm)					단면적 Sectional Area (cm <sup>2</sup> )	단위무게 Unit Weight (kg/m)	중심의 위치 Center of Gravity (cm)		단면 2차 모멘트 Moment of Inertia (cm <sup>4</sup> )				단면 2차 반경 Radius of Gyration (cm)				tan α	단면계수 Modulus of Section (cm <sup>3</sup> )	
	A x B	t <sub>1</sub>	t <sub>2</sub>	r <sub>1</sub>	r <sub>2</sub>			A	W	C <sub>x</sub>	C <sub>y</sub>	I <sub>x</sub>	max. I <sub>y</sub>	min I <sub>u</sub>	I <sub>v</sub>	i <sub>x</sub>	max i <sub>y</sub>		min i <sub>u</sub>	i <sub>v</sub>
200x90	200 x 90	10	14	14	7	31.52	24.7	6.61	2.08	1,297	202	1,290	125	6.41	2.53	6.41	2.53	0.263	96.9	29.2
250x90	250 x 90	10	15	17	8.5	37.47	29.4	8.61	1.92	2,440	223	2,520	147	8.08	2.44	8.20	1.98	0.182	149	31.5
	250 x 90	12	16	17	8.5	42.95	33.7	8.99	1.89	2,790	238	2,870	160	8.07	2.35	8.18	1.93	0.173	174	33.5
300x90	300 x 90	11	16	19	9.5	46.22	36.3	11.0	1.76	4,370	245	4,440	168	9.72	2.30	9.80	1.90	0.136	229	33.8
	300 x 90	13	17	19	9.5	52.67	41.3	11.3	1.75	4,940	259	5,020	181	9.68	2.22	9.76	1.85	0.128	264	35.8
350x100	350 x 100	12	17	22	11	57.74	45.3	13.0	1.87	7,440	362	7,550	251	11.3	2.50	11.4	2.08	0.124	338	44.5
400x100	400 x 100	11.5	16	24	12	61.08	48.0	15.28	1.71	10,284	349	11,600	277	13	2.39	13	2.39	0.0996	416	42.1
	400 x 100	13	18	24	12	68.59	53.8	15.4	1.77	11,500	388	11,600	277	12.8	2.38	13	2.01	0.0996	467	47.1
450x125	450 x 125	11.5	18	24	12	73.11	57.4	16.2	2.29	15,700	768	16,000	525	14.7	3.24	14.8	2.68	0.126	547	75.2