

Section properties Square : 50 mm x 50 mm to 120 mm x 120 mm

규격		무게	단면적		단면2차모멘트		단면2차반지름		단면단면적수		소정단면적수		비틀림 관성상수	비틀림 계수상수	면적/m ²	m/ton		
A x B mm	t mm		M kg/cm ²	A cm ²	I _x cm ⁴	I _y cm ⁴	ix cm	iy cm	Z _x cm ³	Z _y cm ³	Z _{px} cm ³	Z _{py} cm ³						
50 x 50	1.6	2.38	3032	11.7	11.7	1.86	1.86	4.88	4.88	5.66	5.66	6.66	6.66	2.56	18.5	7.03	1.95	420
50 x 50	2.0	2.93	3737	14.1	14.1	1.95	1.95	5.66	5.66	6.66	6.66	7.62	7.62	3.51	19.3	8.51	1.93	341
50 x 50	2.3	3.34	4252	15.9	15.9	1.93	1.93	6.34	6.34	7.62	7.62	8.51	8.51	4.51	25.6	9.55	1.93	300
50 x 50	2.5	3.60	4527	16.5	16.5	1.90	1.90	6.76	6.76	8.51	8.51	9.50	9.50	5.50	27.5	10.2	1.90	278
50 x 50	3.0	4.5	5408	19.5	19.5	1.80	1.80	8.51	8.51	10.2	10.2	11.8	11.8	7.50	31.8	11.8	1.80	226
50 x 50	3.2	4.50	5727	20.4	20.4	1.89	1.89	8.16	8.16	9.89	9.89	10.2	10.2	8.16	31.8	12.3	1.89	222
50 x 50	4.0	5.45	6948	23.7	23.7	1.85	1.85	9.49	9.49	11.7	11.7	13.4	13.4	10.2	40.4	14.4	1.85	183
50 x 50	4.5	6.32	8265	25.5	25.5	1.82	1.82	10.2	10.2	12.3	12.3	14.4	14.4	11.8	42.6	15.2	1.82	166
50 x 50	5.0	6.56	8596	27.0	27.0	1.80	1.80	10.8	10.8	13.7	13.7	15.2	15.2	13.4	47.5	16.6	1.80	152
50 x 50	6.0	7.56	9633	29.5	29.5	1.75	1.75	11.8	11.8	15.2	15.2	17.5	17.5	15.2	53.2	18.2	1.75	132
60 x 60	1.6	2.88	3672	20.7	20.7	2.37	2.37	6.89	6.89	7.99	7.99	32.4	32.4	10.4	23.9	14.2	2.37	347
60 x 60	2.0	3.52	4527	25.6	25.6	2.35	2.35	7.99	7.99	8.51	8.51	37.5	37.5	11.8	27.5	15.2	2.35	300
60 x 60	2.3	4.06	5172	28.3	28.3	2.34	2.34	9.44	9.44	11.1	11.1	45.2	45.2	14.2	32.4	16.6	2.34	268
60 x 60	2.5	4.39	5589	30.3	30.3	2.33	2.33	10.1	10.1	11.9	11.9	48.7	48.7	15.2	34.1	17.5	2.33	228
60 x 60	3.0	5.1	6608	35.1	35.1	2.31	2.31	11.7	11.7	14.4	14.4	53.2	53.2	17.5	37.5	19.3	2.31	193
60 x 60	3.2	5.50	7047	36.3	36.3	2.28	2.28	12.3	12.3	15.2	15.2	55.0	55.0	18.2	39.3	20.4	2.28	180
60 x 60	4.0	6.71	8548	43.6	43.6	2.26	2.26	14.5	14.5	17.6	17.6	62.7	62.7	22.0	45.2	22.6	2.26	149
60 x 60	4.5	7.43	9469	47.2	47.2	2.23	2.23	15.7	15.7	19.3	19.3	79.8	79.8	23.9	48.7	23.9	2.23	135
60 x 60	5.0	8.13	1036	50.5	50.5	2.21	2.21	16.8	16.8	20.9	20.9	86.4	86.4	25.6	50.5	25.6	2.21	123
60 x 60	6.0	9.45	12197	56.7	56.7	2.16	2.16	18.2	18.2	22.6	22.6	98.9	98.9	27.5	56.7	27.5	2.16	106
75 x 75	1.6	3.64	4832	31.4	31.4	2.99	2.99	11.0	11.0	12.7	12.7	64.1	64.1	16.5	29.5	16.5	2.99	275
75 x 75	2.0	4.50	5737	35.5	35.5	2.97	2.97	13.5	13.5	15.6	15.6	79.0	79.0	18.2	32.4	18.2	2.97	222
75 x 75	2.3	5.14	6552	37.1	37.1	2.95	2.95	15.2	15.2	17.7	17.7	90.0	90.0	19.3	34.1	19.3	2.95	194
75 x 75	2.5	5.55	7047	38.6	38.6	2.94	2.94	16.8	16.8	18.2	18.2	98.9	98.9	20.4	35.1	20.4	2.94	180
75 x 75	3.0	6.60	8408	43.6	43.6	2.92	2.92	19.1	19.1	22.5	22.5	115	115	22.6	39.0	22.6	2.92	152
75 x 75	3.2	7.01	8927	45.5	45.5	2.91	2.91	20.1	20.1	23.8	23.8	121	121	23.9	40.4	23.9	2.91	144
75 x 75	4.0	8.59	1095	50.2	50.2	2.87	2.87	24.1	24.1	28.8	28.8	147	147	26.3	45.2	26.3	2.87	116
75 x 75	4.5	9.55	12197	53.9	53.9	2.85	2.85	25.6	25.6	30.6	30.6	157	157	27.5	46.3	27.5	2.85	106
75 x 75	5.0	10.5	1336	56.6	56.6	2.82	2.82	28.4	28.4	34.5	34.5	177	177	29.5	48.7	29.5	2.82	95.4
75 x 75	6.0	12.3	1563	60.6	60.6	2.77	2.77	32.0	32.0	39.6	39.6	205	205	31.4	51.4	31.4	2.77	81.5
75 x 75	6.3	12.8	1629	62.4	62.4	2.76	2.76	33.0	33.0	41.0	41.0	212	212	32.4	52.3	32.4	2.76	78.2
75 x 75	8.0	15.2	1938	71.4	71.4	2.68	2.68	37.5	37.5	48.7	48.7	256	256	36.3	58.9	36.3	2.68	61.6
80 x 80	1.6	3.89	4952	50.4	50.4	3.19	3.19	12.6	12.6	14.5	14.5	78.0	78.0	18.9	31.5	18.9	3.19	257
80 x 80	2.0	4.82	6137	61.7	61.7	3.17	3.17	15.4	15.4	17.8	17.8	96.3	96.3	23.2	37.5	23.2	3.17	208
80 x 80	2.3	5.51	7012	69.9	69.9	3.16	3.16	17.5	17.5	20.3	20.3	110	110	26.2	41.0	26.2	3.16	182
80 x 80	2.5	5.96	7589	75.1	75.1	3.15	3.15	18.9	18.9	21.9	21.9	118	118	27.5	42.6	27.5	3.15	168
80 x 80	3.0	7.07	9008	87.8	87.8	3.12	3.12	22.0	22.0	25.8	25.8	140	140	33.0	51.4	33.0	3.12	141
80 x 80	3.2	7.51	9567	92.7	92.7	3.11	3.11	23.2	23.2	27.3	27.3	148	148	34.1	53.0	34.1	3.11	133
80 x 80	4.0	9.22	1175	111	111	3.07	3.07	27.8	27.8	33.1	33.1	180	180	41.8	60.6	41.8	3.07	108
80 x 80	4.5	10.3	13027	123	123	3.05	3.05	30.4	30.4	36.5	36.5	200	200	43.6	63.8	43.6	3.05	97.4
80 x 80	5.0	11	1436	131	131	3.03	3.03	32.9	32.9	39.7	39.7	218	218	45.2	67.1	45.2	3.03	88.7
80 x 80	6.0	13.2	1683	149	149	2.98	2.98	37.3	37.3	45.8	45.8	252	252	48.7	73.9	48.7	2.98	75.4
80 x 80	6.3	13.8	1735	154	154	2.98	2.98	38.5	38.5	47.5	47.5	256	256	49.6	75.6	49.6	2.98	72.6
80 x 80	8.0	16.2	2138	177	177	2.88	2.88	44.3	44.3	55.0	55.0	311	311	57.8	85.6	57.8	2.88	61.6
90 x 90	2.3	6.23	7932	101	101	3.56	3.56	22.4	22.4	25.9	25.9	158	158	36.6	55.2	36.6	3.56	161
90 x 90	2.5	6.74	8589	109	109	3.56	3.56	24.1	24.1	28.8	28.8	170	170	36.6	58.9	36.6	3.56	148
90 x 90	3.0	7.95	10237	127	127	3.53	3.53	28.0	28.0	33.0	33.0	214	214	42.5	67.1	42.5	3.53	125
90 x 90	3.2	8.52	10938	133	133	3.52	3.52	29.0	29.0	35.0	35.0	214	214	44.4	69.4	44.4	3.52	116
90 x 90	4.0	10.5	1335	162	162	3.48	3.48	36.0	36.0	42.6	42.6	261	261	51.4	84.6	51.4	3.48	95.4
90 x 90	4.5	11.7	1487	178	178	3.46	3.46	39.5	39.5	47.1	47.1	289	289	56.6	93.9	56.6	3.46	86.7
90 x 90	5.0	12.6	1575	187	187	3.43	3.43	42.6	42.6	50.5	50.5	300	300	58.9	97.4	58.9	3.43	81.5
90 x 90	6.0	15.1	1923	220	220	3.39	3.39	49.0	49.0	59.5	59.5	368	368	64.7	113.9	64.7	3.39	68.2
90 x 90	6.3	15.8	2007	228	228	3.37	3.37	50.7	50.7	61.9	61.9	382	382	66.8	116.6	66.8	3.37	65.4
100 x 100	1.6	4.98	6232	100	100	4.01	4.01	20.0	20.0	22.9	22.9	154	154	30.0	48.7	30.0	4.01	204
100 x 100	2.0	6.1	7683	123	123	3.99	3.99	23.9	23.9	28.3	28.3	180	180	36.6	58.9	36.6	3.99	180
100 x 100	2.3	6.95	8652	140	140	3.97	3.97	27.9	27.9	32.3	32.3	217	217	41.9	67.1	41.9	3.97	144
100 x 100	2.5	7.53	9589	151	151	3.96	3.96	30.1	30.1	34.9	34.9	235	235	45.2	73.9	45.2	3.96	133
100 x 100	3.0	8.96	1141	177	177	3.94	3.94	35.4	35.4	41.2	41.2	279	279	53.2	83.0	53.2	3.94	112
100 x 100	3.2	9.52	1213	183	183	3.93	3.93	36.6	36.6	43.7	43.7	296	296	55.0	85.6	55.0	3.93	105
100 x 100	4.0	11.7	1495	226	226	3.89	3.89	45.3	45.3	53.2	53.2	362	362	68.8	108.9	68.8	3.89	85.2
100 x 100	4.5	13.1	1667	249	249	3.87	3.87	49.9	49.9	59.0	59.0	402	402	75.1	120.4	75.1	3.87	76.4
100 x 100	5.0	14.4	1836	271	271	3.84	3.84	54.2	54.2	64.6	64.6	441	441	81.5	130.4	81.5	3.84	69.4
100 x 100	6.0	17.0	2287	315	315	3.79	3.79	63.8	63.8	75.6	75.6	514	514	93.9	148.7	93.9	3.79	59.6
100 x 100	6.3	17.7	2259	323	323	3.78	3.78	64.6	64.6	78.1	78.1	535	535	97.4	153.9	97.4	3.78	56.4
100 x 100	8.0	21.8	2779	380	380	3.70	3.70	76.0	76.0	93.8	93.8	647	647	115	173.9	115	3.70	45.8
100 x 100	9.0	24.1	3067	408	408	3.65	3.65	81.6	81.6	102	102	706	706	124	186.6	124	3.65	41.5
100 x 100	10.0	26.2	3437	453	453	3.60	3.60	90.4	90.4	112	112	780	780	136	204.7	136	3.60	37.5
100 x 100	12.0	30.3	3853	471	471	3.50	3.50	94.3	94.3	123	123	852	852	146	219.9	146	3	