



Lipped Channels (C-Channel)

JIS G 3350-1987

Section Size AxBxC	Unit Weight M	Thick-ness t	Area A	Position of Centroid		Moment of Inertia		Radius of gyration		Modulus of Section		Reduced Modulus Zx1	Moment Capacity Mx	Shear Centre M	Column Factor Q
				Cx	Cy	Ix	Iy	Rx	Ry	Zx	Zy				
mm	kg/m	mm	cm ²	cm	cm	cm ⁴	cm ⁴	cm	cm	cm ³	cm ³	cm	kg/m	cm	
60 x 30 x 10	1.62	1.6	2.07	1.06	3.00	11.60	2.54	2.36	1.10	3.87	1.31	3.87	65.40	1.54	0.97
	2.25	2.3	2.87	1.05	3.00	15.50	3.28	2.32	1.07	5.18	1.69	5.13	87.50	1.53	1.00
75 x 45 x 15	2.31	1.6	2.95	1.72	3.75	27.10	8.69	3.03	1.71	7.23	3.13	7.23	122.00	2.43	0.94
	3.24	2.3	4.13	1.71	3.75	37.00	11.67	2.99	1.67	9.88	4.19	9.88	166.80	2.42	0.99
	4.12	3.0	5.25	1.71	3.75	45.90	14.16	2.95	1.64	12.24	5.07	12.24	206.50	2.42	1.00
100x50x20	2.88	1.6	3.67	1.86	5.00	58.30	13.97	3.98	1.95	11.67	4.46	11.66	196.80	2.73	0.85
	4.06	2.3	5.17	1.86	5.00	80.60	18.96	3.94	1.91	16.12	6.04	16.12	272.10	2.72	0.95
	5.18	3.0	6.60	1.85	5.00	100.90	23.30	3.90	1.87	20.18	7.42	20.18	340.60	2.71	0.99
125x50x20	4.51	2.3	5.74	1.68	6.25	136.40	20.54	4.87	1.89	21.82	6.20	21.82	368.20	2.55	0.89
	5.77	3.0	7.35	1.63	6.25	171.50	25.27	4.82	1.85	27.44	7.62	27.44	463.10	2.54	0.95
	8.31	4.5	10.59	1.67	6.25	237.10	33.21	4.73	1.77	37.94	10.00	37.94	640.20	2.51	1.00
150x65x20	5.50	2.3	7.01	2.11	7.50	247.70	40.99	5.94	2.41	33.03	9.35	33.03	557.40	3.16	0.84
	7.07	3.0	9.00	2.11	7.50	313.70	50.99	5.90	2.37	41.83	11.62	41.83	705.80	3.15	0.91
	10.25	4.5	13.06	2.10	7.50	440.70	68.79	5.80	2.29	58.77	15.64	58.77	991.70	3.12	0.99
175x75x20	6.31	2.3	8.04	2.34	8.75	389.30	60.97	6.95	2.75	44.49	11.83	44.31	747.70	3.52	0.80
	8.13	3.0	10.35	2.34	8.75	494.90	76.25	6.91	2.71	56.56	14.78	56.56	954.50	3.50	0.87
	11.84	4.5	15.09	2.33	8.75	701.60	104.12	6.81	2.62	80.18	20.14	80.18	1353.10	3.47	0.96
200x75x20	6.76	2.3	8.62	2.19	10.00	531.00	63.65	7.84	2.71	53.10	12.00	52.89	892.50	3.38	0.75
	8.71	3.0	11.10	2.19	10.00	676.10	79.62	7.80	2.67	67.61	15.00	67.61	1140.90	3.36	0.82
	12.73	4.5	16.12	2.18	10.00	962.00	108.77	7.70	2.58	96.20	20.46	96.20	1623.30	3.33	0.94
225x75x20	7.21	2.3	9.19	2.06	11.25	699.60	65.99	8.72	2.67	62.18	12.14	61.95	1045.40	3.26	0.71
	9.30	3.0	11.85	2.06	11.25	892.00	82.55	8.67	2.63	79.29	15.19	79.29	1338.00	3.24	0.78
	13.61	4.5	17.34	2.05	11.25	1273.10	112.81	8.56	2.55	113.16	20.73	113.16	1909.60	3.20	0.89
250x75x25	7.85	2.3	10.00	2.07	12.50	921.11	74.68	9.59	2.73	73.68	13.77	73.43	1239.14	3.34	0.68
	10.13	3.0	12.90	2.07	12.50	1176.57	93.68	9.54	2.69	94.12	17.27	94.12	1588.31	3.32	0.74
	14.85	4.5	18.91	2.07	12.50	1685.70	128.83	9.43	2.60	134.85	23.74	134.85	2275.61	3.27	0.86