



**LIP CHANNEL**  
Dimensions and Properties



TIS 1228-2549  
Grade : SSC 400



Dimensions (mm.)		Sectional Area (cm <sup>2</sup> )	Weight (kg/m)	Weight (kg/6m)	Center of Gravity (cm)		Secondary Moment of Area (cm <sup>4</sup> )		Radius of Gyration of Area (cm)		Modulus of Section (cm <sup>3</sup> )		Center of Shear (cm <sup>2</sup> )	
HxAxC	t				Cx	Cy	Ix	Iy	ix	iy	Zx	Zy	Sx	Sy
60 x 30 x 10	1.6	2.072	1.63	9.78	0	1.06	11.6	2.56	2.37	1.11	3.88	1.32	2.5	0
	2	2.537	1.99	11.94	0	1.06	14	3.01	2.35	1.09	4.65	1.55	2.5	0
	2.3	2.872	2.25	13.50	0	1.06	15.6	3.32	2.33	1.07	5.2	1.71	2.5	0
70 x 40 x 25	1.6	3.032	2.38	14.28	0	1.8	22	8	2.69	1.62	6.29	3.64	4.4	0
75 x 35 x 15	2.3	3.677	2.89	17.34	0	1.29	31	6.58	2.91	1.34	8.28	2.98	3.1	0
75 x 45 x 15	1.6	2.952	2.32	13.92	0	1.72	27.1	8.71	3.03	1.72	7.24	3.13	4.1	0
	2	3.637	2.86	17.16	0	1.72	33	10.5	3.01	1.7	8.79	3.76	4	0
	2.3	4.137	3.25	19.50	0	1.72	37.1	11.8	3	1.69	9.9	4.24	4	0
90 x 45 x 20	1.6	3.352	2.63	15.78	0	1.73	42.6	10.5	3.56	1.77	9.46	5.8	4.2	0
	2.3	4.712	3.7	22.20	0	1.73	58.6	14.2	3.53	1.74	13	5.14	4.1	0
	3.2	6.367	5	30.00	0	1.72	76.9	18.3	3.48	1.69	17.1	6.57	4.1	0
100 x 50 x 20	1.6	3.672	2.88	17.28	0	1.87	58.4	14	3.99	1.95	11.7	4.47	4.5	0
	2	4.537	3.56	21.36	0	1.86	71.4	16.9	3.97	1.93	14.3	5.4	4.4	0
	2.3	5.172	4.06	24.36	0	1.86	80.7	19	3.95	1.92	16.1	6.06	4.4	0
	2.8	6.205	4.87	29.22	0	1.88	99.8	23.2	3.96	1.91	20	7.44	4.3	0
	3.2	7.007	5.5	33.00	0	1.86	107	24.5	3.9	1.87	21.3	7.81	4.4	0
	4	8.548	6.71	40.26	0	1.86	127	28.7	3.85	1.83	25.4	9.13	4.3	0
120 x 40 x 20	3.2	7.007	5.5	33.00	0	1.32	144	15.3	4.53	1.48	24	5.71	3.4	0
	3.2	8.287	6.51	39.06	0	2.12	186	40.9	4.74	2.22	31	10.5	4.9	0
120 x 60 x 20	2.3	6.092	4.78	28.68	0	2.13	140	31.3	4.79	2.27	23.3	8.1	5.1	0
120 x 60 x 25	3.2	8.287	6.51	39.06	0	2.12	186	40.9	4.74	2.22	31	10.5	4.9	0
	4.5	11.72	9.2	55.20	0	2.25	252	58	4.63	2.22	41.9	15.5	5.3	0
125 x 50 x 20	2.3	5.747	4.51	27.06	0	1.69	137	20.6	4.88	1.89	21.9	6.22	4.1	0
	3.2	7.807	6.13	36.78	0	1.68	181	26.6	4.82	1.85	29	8.02	4	0
	4	9.548	7.5	45.00	0	1.68	217	33.1	4.77	1.81	34.7	9.38	4	0
	4.5	10.59	8.32	49.92	0	1.68	238	33.5	4.74	1.78	38	10	4	0
150 x 50 x 20	2.3	6.322	4.96	29.76	0	1.55	210	21.9	5.77	1.86	28	6.33	3.8	0
	3.2	8.607	6.76	40.56	0	1.54	280	28.3	5.71	1.81	37.4	8.19	3.8	0
	4.5	11.72	9.2	55.20	0	1.54	368	35.7	5.6	1.75	49	10.5	3.7	0
150 x 65 x 20	2.3	7.012	5.5	33.00	0	2.12	248	41.1	5.94	2.42	33	9.37	5.2	0
	3.2	9.567	7.51	45.06	0	2.11	332	53.8	5.89	2.37	44.3	12.2	5.1	0
	4	11.75	9.22	55.32	0	2.11	401	63.7	5.84	2.33	53.5	14.5	5	0
150 x 75 x 20	3.2	10.21	8.01	48.06	0	2.51	366	76.4	5.99	2.74	48.9	15.3	5.1	0
	4	12.55	9.85	59.10	0	2.51	445	91	5.95	2.69	59.3	18.2	5.8	0
	4.5	13.97	11	66.00	0	2.5	489	99.2	5.92	2.66	65.2	19.8	6	0
150 x 75 x 25	3.2	10.53	8.27	49.62	0	2.66	375	83.6	5.97	2.82	50	17.3	6.4	0
	4	12.95	10.2	61.20	0	2.65	455	99.8	5.93	2.78	60.6	20.6	6.3	0
	4.5	14.42	11.3	67.80	0	2.65	501	109	5.9	2.75	66.9	22.5	6.3	0
200 x 75 x 20	3.2	11.81	9.27	55.62	0	2.19	716	84.1	7.79	2.67	71.6	15.8	5.4	0
	4	14.55	11.4	68.40	0	2.19	871	100	7.74	2.62	87.1	18.9	5.3	0
	4.5	14.42	11.3	67.80	0	2.65	501	109	5.9	2.75	66.9	22.5	6.3	0
200 x 75 x 25	3.2	12.13	9.52	57.12	0	2.33	736	92.3	7.7	2.76	73.6	17.8	5.7	0
	4	14.95	11.7	70.20	0	2.32	895	110	7.74	2.72	89.5	21.3	5.7	0
	4.5	16.67	13.1	78.60	0	2.32	990	121	7.61	2.69	99	23.3	5.6	0
250 x 75 x 25	4.5	18.92	14.9	89.40	0	2.07	1690	129	9.44	2.62	135	23.8	5.1	0