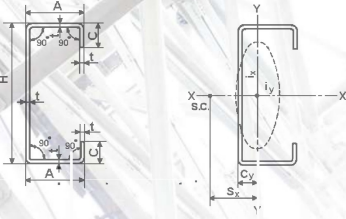




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จังหวัดระยอง 21120 Tel. 66(0)3301-2436-8



LIGHT LIP CHANNEL

เหล็กงานโครงสร้าง

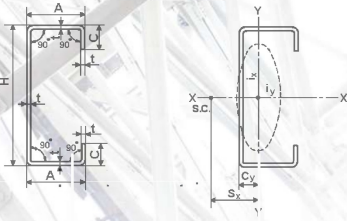
TIS 1228

mm	Thick-ness mm	Sectional area cm ²	Weight kg/m	Center of Gravity		Moment of Inertia		Radius of Gyration		Modulus of Section		Center of Shear	
				cm	cm	cm ⁴	cm ⁴	cm	cm	cm ³	cm ³	cm	cm
H × A × C	t	a		Cx	Cy	Ix	Iy	ix	iy	Zx	Zy	Sx	Sy
60 × 30 × 10	1.6	2.072	1.63	0	1.06	11.6	2.56	2.37	1.11	3.88	1.32	2.5	0
	2.0	2.537	1.99	0	1.06	14.0	3.01	2.35	1.09	4.65	1.55	2.5	0
	2.3	2.872	2.25	0	1.06	15.6	3.32	2.33	1.07	5.20	1.71	2.5	0
70 × 40 × 25	1.6	3.032	2.38	0	1.80	22.0	8.00	2.69	1.62	6.29	3.64	4.4	0
75 × 35 × 15	2.3	3.677	2.89	0	1.29	31.0	6.58	2.91	1.34	8.28	2.98	3.1	0
75 × 45 × 15	1.6	2.952	2.32	0	1.72	27.1	8.71	3.03	1.72	7.24	3.13	4.1	0
	2.0	3.637	2.86	0	1.72	33.0	10.5	3.01	1.70	8.79	3.76	4.0	0
	2.3	4.137	3.25	0	1.72	37.1	11.8	3.00	1.69	9.90	4.24	4.0	0
90 × 45 × 20	1.6	3.352	2.63	0	1.73	42.6	10.5	3.56	1.77	9.46	5.80	4.2	0
	2.3	4.712	3.70	0	1.73	58.6	14.2	3.53	1.74	13.0	5.14	4.1	0
	3.2	6.367	5.00	0	1.72	76.9	18.3	3.48	1.69	17.1	6.57	4.1	0
100 × 50 × 20	1.6	3.672	2.88	0	1.87	58.4	14.0	3.99	1.95	11.7	4.47	4.5	0
	2.0	4.537	3.56	0	1.86	71.4	16.9	3.97	1.93	14.3	5.40	4.4	0
	2.3	5.172	4.06	0	1.86	80.7	19.0	3.95	1.92	16.1	6.06	4.4	0
	2.8	6.205	4.87	0	1.88	99.8	23.2	3.96	1.91	20.0	7.44	4.3	0
	3.2	7.007	5.50	0	1.86	107	24.5	3.90	1.87	21.3	7.81	4.4	0
	4.0	8.548	6.71	0	1.86	127	28.7	3.85	1.83	25.4	9.13	4.3	0
120 × 40 × 20	3.2	7.007	5.50	0	1.32	144	15.3	4.53	1.48	24.0	5.71	3.4	0
	4.5	9.469	7.43	0	1.86	139	30.9	3.82	1.81	27.7	9.82	4.3	0
120 × 60 × 20	2.3	6.092	4.78	0	2.13	140	31.3	4.79	2.27	23.3	8.10	5.1	0
	3.2	8.287	6.51	0	2.12	186	40.9	4.74	2.22	31.0	10.5	4.9	0
120 × 60 × 25	4.5	11.72	9.20	0	2.25	252	58.0	4.63	2.22	41.9	15.5	5.3	0
125 × 50 × 20	2.3	5.747	4.51	0	1.69	137	20.6	4.88	1.89	21.9	6.22	4.1	0
	3.2	7.807	6.13	0	1.68	181	26.6	4.82	1.85	29.0	8.02	4.0	0
	4.0	9.548	7.50	0	1.68	217	33.1	4.77	1.81	34.7	9.38	4.0	0
	4.5	10.59	8.32	0	1.68	238	33.5	4.74	1.78	38.0	10.0	4.0	0
150 × 50 × 20	2.3	6.322	4.96	0	1.55	210	21.9	5.77	1.86	28.0	6.33	3.8	0
	3.2	8.607	6.76	0	1.54	280	28.3	5.71	1.81	37.4	8.19	3.8	0
	4.5	11.72	9.20	0	1.54	368	35.7	5.60	1.75	49.0	10.5	3.7	0
150 × 65 × 20	2.3	7.012	5.50	0	2.12	248	41.1	5.94	2.42	33.0	9.37	5.2	0
	3.2	9.567	7.51	0	2.11	332	53.8	5.89	2.37	44.3	12.2	5.1	0
	4.0	11.75	9.22	0	2.11	401	63.7	5.84	2.33	53.5	14.5	5.0	0



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LIGHT LIP CHANNEL

เหล็กงานโครงสร้าง

TIS 1228

mm	Thick-ness mm	Sectional area cm ²	Weight kg/m	Center of Gravity		Moment of Inertia		Radius of Gyration		Modulus of Section		Center of Shear	
				cm	cm	cm ⁴	cm ⁴	cm	cm	cm ³	cm ³	cm	cm
H × A × C	t	a		Cx	Cy	Ix	Iy	ix	iy	Zx	Zy	Sx	Sy
150 × 75 × 20	3.2	10.21	8.01	0	2.51	366	76.4	5.99	2.74	48.9	15.3	5.1	0
	4.0	12.55	9.85	0	2.51	445	91.0	5.95	2.69	59.3	18.2	5.8	0
	4.5	13.97	11.0	0	2.50	489	99.2	5.92	2.66	65.2	19.8	6.0	0
150 × 75 × 25	3.2	10.53	8.27	0	2.66	375	83.6	5.97	2.82	50.0	17.3	6.4	0
	4.0	12.95	10.2	0	2.65	455	99.8	5.93	2.78	60.6	20.6	6.3	0
	4.5	14.42	11.3	0	2.65	501	109	5.90	2.75	66.9	22.5	6.3	0
200 × 75 × 20	3.2	11.81	9.27	0	2.19	716	84.1	7.79	2.67	71.6	15.8	5.4	0
	4.0	14.55	11.4	0	2.19	871	100	7.74	2.62	87.1	18.9	5.3	0
	4.5	16.22	12.7	0	2.19	963	109	7.71	2.60	96.3	20.6	5.3	0
200 × 75 × 25	3.2	12.13	9.52	0	2.33	736	92.3	7.70	2.76	73.6	17.8	5.7	0
	4.0	14.95	11.7	0	2.32	895	110	7.74	2.72	89.5	21.3	5.7	0
	4.5	16.67	13.1	0	2.32	990	121	7.61	2.69	99.0	23.3	5.6	0
250 × 75 × 25	4.5	18.92	14.9	0	2.07	1 690	129	9.44	2.62	135	23.8	5.1	0

TOLERANCE ค่าความคลาดเคลื่อน

Dimension (mm)		Tolerances (mm)	
A		±15	
H	H < 150	±15	
	150 ≤ H < 300	±2.0	
	≥ 300	±3.0	
C		±2.0	
Thickness (t)	16	±0.22	
	2.0 and 2.3	±0.25	
	2.8	±0.28	
	3.2	±0.30	
	4.0 and 4.5	±0.45	
Length	≤ 7 m	+40.0	
	> 7 m	+40 and +5 for each m that the length excess 7 m	
Squareness		±15 degree	
Bend		Within 0.2% of whole length	
Weight		±10%	

