



CHANNEL

Dimensions and Properties



TIS 1227-2539

Grade : SM400, SM490, SM520, SS400, SS490 or SS540



Standard Sectional Dimensions (mm.)					Sectional Area (cm ²)	Weight (kg/m.)	Position Of Center Of Gravity (cm.)		Moment of Inertia (cm ⁴)		Radius of Gyration (cm.)		Modulus of Section (cm ³)	
H x B	t1	t2	r1	r2			Cx	Cy	Ix	Iy	ix	iy	Zx	Zy
75X40	5.0	7.0	8.0	4.0	8.818	6.92	0	1.28	75.3	12.2	2.92	1.17	20.1	4.47
100X50	5.0	7.5	8.0	4.0	11.92	9.36	0	1.54	188	26.0	3.97	1.48	37.6	7.52
125X65	6.0	8.0	8.0	4.0	17.11	13.40	0	1.90	424	61.8	4.98	1.9	67.8	13.4
150X75	6.5	10.0	10.0	5.0	23.71	18.60	0	2.28	861	117	6.03	2.22	115	22.4
	9.0	12.5	15.0	7.5	30.59	24.00	0	2.31	1,050	147	5.86	2.19	140	28.3
180X75	7.0	10.5	11.0	5.5	27.2	21.40	0	2.13	1,380	131	7.12	2.19	153	24.3
200X80	7.5	11.0	12.0	6.0	31.33	24.60	0	2.21	1,950	168	7.88	2.32	195	29.1
200X90	8.0	13.5	14.0	7.0	38.65	30.30	0	2.74	2,490	277	8.02	2.68	249	44.2
250X90	9.0	13.0	14.0	7.0	44.07	34.60	0	2.40	4,180	294	9.74	2.58	334	44.5
	11.0	14.5	17.0	8.5	51.17	40.20	0	2.40	4,680	329	9.56	2.54	374	49.9
300X90	9.0	13.0	14.0	7.0	48.57	38.10	0	2.22	6,440	309	11.5	2.52	429	45.7
	10.0	15.5	19.0	9.5	55.74	43.80	0	2.34	7,410	360	11.5	2.54	494	54.1
	12.0	16.0	19.0	9.5	61.9	48.60	0	2.28	7,870	379	11.3	2.48	525	56.4
380X100	10.5	16.0	18.0	9.0	63.39	54.50	0	2.41	14,500	535	14.5	2.78	763	70.5
	13.0	16.5	18.0	9.0	78.96	62.00	0	2.33	15,600	565	14.1	2.67	823	73.6
	13.0	20.0	24.0	12.0	85.71	67.30	0	2.54	17,600	655	14.3	2.76	926	87.8