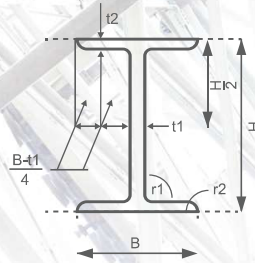




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เหล็กงานโครงสร้าง

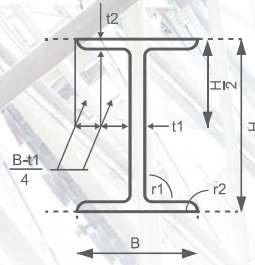
TIS 1227

Standard Sectional Dimension (mm)					Sectional Area cm ²	Weight kg/m	Moment of Inertia (cm ⁴)		Radius of Gyration (cm)		Modulus of Section (cm ³)	
HxB	t1	t2	r1	r2			Ix	Iy	ix	iy	Zx	Zy
150x75	5.5	9.5	9	4.5	21.83	17.1	819	57.5	6.12	1.62	109	15.3
200x100	7.0	10.0	10	5.0	33.06	26.0	2,170	138	8.11	2.05	217	27.7
200x150	9.0	16.0	15	7.5	64.16	50.4	4,460	753	8.34	3.43	446	100.0
250x125	7.5	12.5	12	6.0	48.79	38.3	5,180	337	10.30	2.63	414	53.9
	10.0	19.0	21	10.5	70.73	55.5	7,310	538	10.20	2.76	585	86.0
300x150	8.0	13.0	12	6.0	61.58	48.3	9,480	588	12.40	3.09	632	78.4
	10.0	18.5	19	9.5	83.47	65.5	12,700	886	12.30	3.26	849	118.0
350x150	11.5	22.0	23	11.5	97.88	76.8	14,700	1,080	12.20	3.32	978	143.0
	9.0	15.0	13	6.5	74.58	58.5	15,200	702	14.30	3.07	870	93.5
400x150	12.0	24.0	25	12.5	111.10	87.2	22,400	1,180	14.20	3.26	1,280	158.0
	10.0	18.0	17	8.5	91.73	72.0	24,100	864	16.20	3.07	1,200	115.0
450x175	12.5	25.0	27	13.5	122.10	95.8	31,700	1,240	16.10	3.18	1,580	165.0
	11.0	20.0	19	9.5	116.80	91.7	39,200	1,510	18.30	3.60	1,740	173.0
600x190	13.0	26.0	27	13.5	146.10	115.0	48,800	2,020	18.30	3.72	2,170	231.0
	13.0	25.0	25	12.5	169.40	133.0	98,400	2,460	24.10	3.81	3,280	259.0
	16.0	35.0	38	19.0	224.50	176.0	130,000	3,540	24.10	3.97	4,330	373.0



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TOLERANCE ค่าความคลาดเคลื่อน

Dimension	Tolerance	Remark	
Depth (H)	$H < 100$ $100 \leq H < 200$ $200 \leq H < 400$ $H \geq 400$	± 1.5 ± 2.0 ± 3.0 ± 4.0	
Leg Length (H or B)	$B < 50$ $50 \leq B < 100$ $100 \leq B < 200$ $B \geq 200$	± 1.5 ± 2.0 ± 3.0 ± 4.0	
Thickness (t, t1, t2)	$H < 130$ $t < 6.3$ $6.3 \leq t < 10$ $10 \leq t < 16$ $t \geq 16$	± 0.6 ± 0.7 ± 0.8 ± 1.0	
	$H \geq 130$ $t < 6.3$ $6.3 \leq t < 10$ $10 \leq t < 16$ $16 \leq t < 25$ $t \geq 25$	± 0.7 ± 0.8 ± 1.0 ± 1.2 ± 1.5	
Length (L)	$L \leq 7$ m. $L > 7$ m.	+ 40	
		0	
Squareness Out-of-square (T)	I-Beam	2.0% of width B	
	Channel, Angle		
Bend	I-Beam Channel, Angle	0.20% of L 0.30% of L	To be applied to bend such as sweep and camber
Eccentricity, Web-off-center (S)	-		
Mass (kg/m.)	$t < 10$	$\pm 5\%$	1. Thicker nominal values shall be applied. 2. To be applied to one lot of the same size (1 t or over), provided that, when the number of pieces, corresponding to 10 pieces, it shall be applied to each lot of 10 and more pieces.
	$t \geq 10$	$\pm 4\%$	