



CHANNEL

เหล็กรางน้ำ

TIS1227 : 2539 (1996)

Standard Sectional Dimension (mm)					Sectional Area cm ²	Weight kg/m	Moment of Inertal		Radius of Gyration		Modulus of Section	
HxB	t1	t2	r1	r2			I _x (cm ⁴)	I _y (cm ⁴)	I _x (cm)	I _y (cm)	Z _x (cm ³)	Z _y (cm ³)
50x25	5.0	6.0	6	3.0	4.92	3.86	16.8	2.49	1.85	0.71	6.73	1.48
75x40	5.0	7.0	8	4.0	8.818	6.92	75.8	12.2	2.92	1.17	20.1	4.47
100x50	5.0	7.5	8	4.0	11.92	9.36	188	26.0	3.97	1.48	37.6	7.52
125x65	6.0	8.0	8	4.0	17.11	13.4	242	61.8	4.98	1.90	67.8	13.4
150x75	6.5	10.0	10	5.0	23.71	18.6	861	117	6.03	2.22	115	22.4
	9.0	12.5	15	7.5	30.56	24.0	1,050	147	5.86	2.19	140	28.3
180x75	7.0	10.5	11	5.5	27.2	21.4	1,380	131	7.12	2.19	153	24.3
200x80	7.5	11.0	12	6.0	31.33	24.6	1,950	168	7.88	2.32	195	29.1
200x90	8.0	13.5	14	7.0	39.65	30.3	1,950	277	8.02	2.68	249	44.2
250x90	9.0	13.0	14	7.0	44.07	34.6	2,490	294	9.74	2.58	334	44.5
	11.0	14.5	17	8.5	51.17	40.2	4,180	329	9.56	2.54	374	49.9
	9.0	13.0	14	7.0	48.57	38.1	6,440	309	11.50	2.52	429	45.7
300x90	10.0	15.5	19	9.5	55.74	43.8	7,410	360	11.50	2.54	494	54.1
	12.0	16.0	19	9.5	61.90	48.6	7,870	379	11.30	2.48	525	56.4
	10.5	16.0	18	9.0	69.39	54.5	14,500	535	14.50	2.78	763	70.5
380x100	*13.0	16.5	18	9.0	78.96	62.0	15,600	565	14.10	2.67	823	73.6
	13.0	20.0	24	12.0	85.71	67.3	17,600	655	14.30	2.76	926	87.8

หมายเหตุ: หากต้องการเหล็กขนาดอื่น สามารถติดต่อเพื่อขอรายละเอียดเพิ่มเติมได้

TOLERANCE

I-Beam, CHANNEL and ANGLE

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, t ₁ , t ₂)	$H < 130$ $t < 6.3$ $6.3 \leq t < 10$ $10 \leq t < 16$ $t \geq 16$	± 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.	+ 40	
		0	
	$L > 7$ m.	40+ (no. of meter of L - 7) x 5	
0			
Squareness Out-of-square (T)	I-Beam	2.0% of width B	
	Channel, Angle	2.5% of flange B	
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)	-	Not specified	
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.
	$t \geq 10$	$\pm 4\%$	

