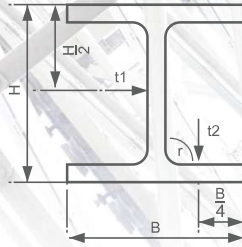




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H BEAM

เหล็กงานโครงสร้าง

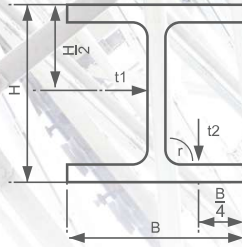


Nominal Size	Weight	Sectional Dimension					Sectional Area	Moment of Inertia		Radius of Gyration		Modulus of Section	
		H	B	t1	t2	r		Ix	Iy	Ix	Iy	Zx	Zy
mm	kg/m	mm	mm	mm	mm	mm	cm ²	cm ⁴	cm ⁴	cm	cm	cm ³	cm ³
100x100	17.2	100	100	6	8	10	21.90	383	134	4.18	2.47	76.5	26.7
125x125	23.8	125	125	6.5	9	10	30.31	847	293	5.29	3.11	136	47.0
150x150	31.5	150	150	7	10	11	40.14	1,640	563	6.39	3.75	219	75.1
175x175	40.2	175	175	7.5	11	12	51.21	2,880	984	7.50	4.38	330	112
200x200	49.9	200	200	8	12	13	63.53	4,720	1,600	8.62	5.02	472	160
	*56.2	200	204	12	12	13	71.53	4,980	1,700	8.35	4.88	498	167
	*65.7	208	202	10	16	13	83.69	6,530	2,200	8.83	5.13	628	218
250x250	V 64.4	244	252	11	11	16	82.06	8,790	2,940	10.3	5.98	720	233
	*66.5	248	249	8	13	16	84.7	9,930	3,350	10.8	6.29	867	292
	72.4	250	250	9	14	16	92.18	10,800	3,650	10.8	6.29	867	292
	*82.2	250	255	14	14	16	104.7	11,500	3,880	10.5	6.09	919	304
300x300	V 84.5	294	302	12	12	18	107.7	16,900	5,520	12.5	7.16	1,150	365
	*87.0	298	299	9	14	18	110.5	18,800	6,240	13.0	7.51	1,270	417
	94.0	300	300	10	15	18	119.8	20,400	6,750	13.1	7.51	1,360	450
	*106	300	305	15	15	18	134.8	21,500	7,100	12.6	7.26	440	466
	*106	304	301	11	17	18	134.8	23,400	7,730	13.2	7.57	1,540	514
350x350	*106.0	338	351	13	13	20	135.3	28,200	9,380	14.4	8.33	1,670	534
	V 115.0	344	348	10	16	20	146	33,300	11,200	15.1	8.78	1,940	646
	*131.0	344	354	16	16	20	166.6	35,300	11,800	14.6	8.43	2,050	669
	137.0	350	350	12	19	20	173.9	40,300	13,600	15.2	8.84	2,300	776
	*156.0	350	357	19	19	20	198.4	42,800	14,400	14.7	8.53	2,450	809
400x400	*140.0	388	402	15	15	22	178.5	49,000	16,300	16.6	9.54	2,520	809
	*147.0	394	398	11	18	22	186.8	56,100	18,900	17.3	10.1	2,850	951
	172.0	400	400	18	21	22	218.7	66,600	22,400	17.5	10.1	3,330	1,120
	*197.0	400	408	21	21	22	250.7	70,900	23,800	16.5	9.75	3,540	1,170
	V 232.0	411	405	18	28	22	295.4	92,600	31,000	17.7	10.2	4,480	1,530



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เหล็กงานโครงสร้าง



TOLERANCE ค่าความคลาดเคลื่อน

Dimension		Tolerance	Remark
Depth (H)	H < 380	± 2.0	
	380 ≤ H < 580	± 3.0	
	H ≥ 580	± 4.0	
Width (B)	B < 95	± 2.0	
	95 ≤ B < 190	± 2.5	
	B ≥ 190	± 3.0	
Thickness (t1, t2)	t1	t1 < 16	± 0.7
		16 ≤ t1 < 25	± 1.0
		25 ≤ t1 < 40	± 1.5
	t2	t2 < 16	± 1.0
		16 ≤ t2 < 25	± 1.5
		25 ≤ t2 < 40	± 1.7
Length (L)	L ≤ 7 m.	+ 40	
		0	
	L > 7 m.	40+ (no. of meter of L - 7) x 5	
Squareness (T)	H ≤ 300	B ≤ 150	≤ 1.5
		B > 150	≤ 1.0% of B
	H > 300	B ≤ 125	≤ 1.5
		B > 125	≤ 1.2% of B
Bend	H ≤ 300	≤ 0.15% of L	To be applied to bend such as sweep and camber
H > 300	≤ 0.10% of L		
Eccentricity (S)	H ≤ 300, B ≤ 200	± 2.5	
H > 300, B > 200	± 3.5		
Concavity of web (W)	H < 400	2.0	
400 ≤ H < 600	2.5		
H ≥ 600	3.0		
Squareness of cut end (e)	H ≤ 187.5	≤ 3.0 mm.	
B ≤ 187.5	≤ 3.0 mm.		
H > 187.5	≤ 1.6% of H		
B > 187.5	≤ 1.6% of B		
Mass	t < 10	± 5%	1. The maximum thickness shall be applied. 2. These tolerances shall apply in the purchase of a single set of structural steel of the same size and thickness comprising not less than 10 pieces and a mass of not less than 1,000 kg.
	t ≥ 10	± 4%	