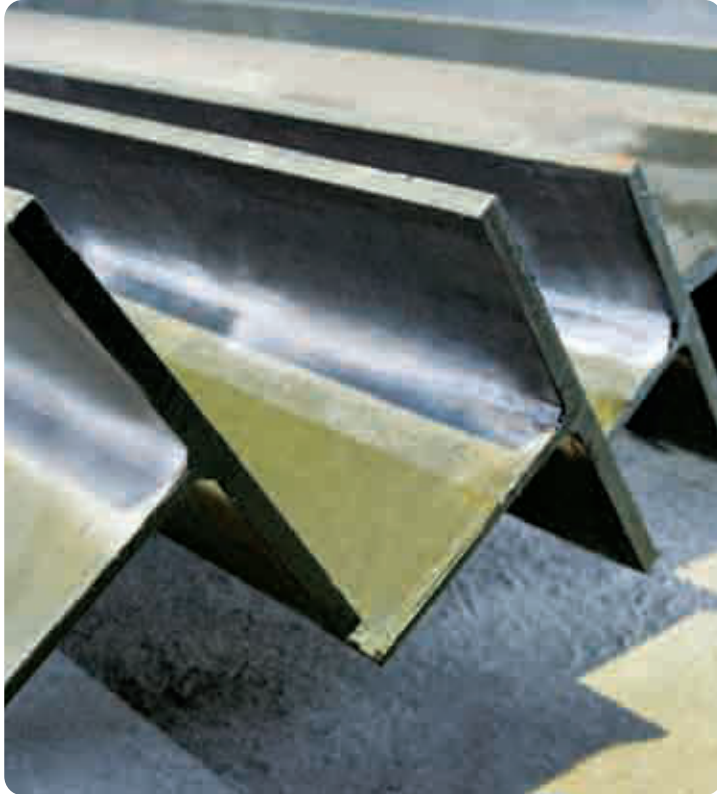


T-BEAM



Another hot rolled under our range is the T-Beam. A T-Beam is a load-bearing structure with a t-shaped cross section. The top of the t-shaped cross section serves as a flange or compression member in resisting compressive stresses. The web of the beam below the compression flange serves to resist shear stress and to provide greater separation for the coupled forces of bending.

Other uses for one way to make a T-beam to be more efficient structurally is to use an inverted T-beam with a floor slab or bridge deck joining the tops of the beams. Done properly, the slab acts as the compression flange.

Size range : 50 x 100 to 400x300

Web Thickness Range : 6mm to 14mm

Flange Thickness Range : 8mm to 26mm

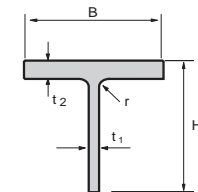
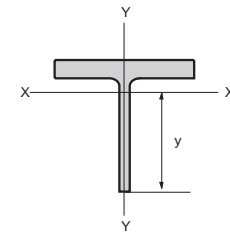
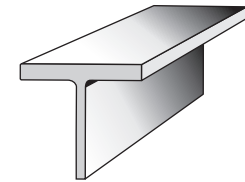
Standards : JIS G 3101 SS400 (Mild Steel)
ASTM A36

Note : High Strength specification are available upon request and subject to minimum quantity.

T-Beam

Metric Size | JIS 3192

Sectional Index	Standard Sectional Dimension					Sectional Area A	Unit Weight kg/m	Informative Reference								Remarks
	Depth of Section HB	Width of Section H	Thickness		Corner Radius r			Center of Gravity y	Geometrical Moment of Inertia		Radius of Gyration of Area		Modulus of Section			
			Web t ₁	Flange t ₂					I _x cm ⁴	I _y cm ⁴	i _x cm	i _y cm	Z _x cm ³	Z _y cm ³		
mm	mm	mm	mm	mm	mm	cm ²	kg/m	mm	cm ⁴	cm ⁴	cm	cm	cm ³	cm ³		
T 50 x 100	50	100	6	8	10	10.95	8.6	40	16	67	1.2	2.47	4	13.4		
T 62.5 x 125	62.5	125	6.5	9	10	15.16	11.9	50.6	35	147	1.51	3.11	6.9	23.5		
T 75 x 75	75	75	5	7	8	8.93	7	57	42	25	2.18	1.67	7.4	6.6		
T 75 x 150	75	150	7	10	11	20.07	15.75	61.3	66	282	1.81	3.75	10.8	37.6		
T 100 x 100	100	100	5.5	8	11	13.58	10.65	71.7	114	67	2.9	2.22	14.8	13.4		
T 99 x 99	99	99	4.5	7	11	11.59	9.1	78.1	94	58	2.84	2.25	12	11.7		
T 87.5 x 175	87.5	175	7.5	11	12	25.61	20.1	72	114	492	2.11	4.38	15.8	56.2		
T 100 x 200	100	200	8	12	13	31.77	24.95	82.7	184	801	2.41	5.02	22.2	80.1		
T 125 x 125	125	125	6	9	12	18.83	14.8	97.2	248	147	3.63	2.79	25.5	23.5		
T 124 x 124	124	124	5	8	12	16.34	12.85	97.7	207	127	3.56	2.79	21.2	20.5		
T 125 x 250	125	250	9	14	16	46.09	36.2	104.2	411	1825	2.98	6.29	39.4	146		
T 150 x 150	150	150	6.5	9	13	23.39	18.35	115.9	463	254	4.45	3.29	39.9	33.8		
T 149 x 149	149	149	5.5	8	13	20.4	16	116.4	393	221	4.39	3.29	33.7	29.6		
T 150 x 300	150	300	10	15	18	59.9	47	125.3	796	3378	3.64	7.51	63.5	225.2		
T 175 x 175	175	175	7	11	14	31.57	24.8	137.5	814	492	5.08	3.95	59.2	56.3		
T 173 x 174	173	174	6	9	14	26.34	20.7	136	678	396	5.07	3.88	49.9	45.5		
T 175 x 350	175	350	12	19	20	86.95	68.85	146.4	1515	6794	4.17	8.84	103.5	388.2		
T 200 x 200	200	200	8	13	16	42.06	33	157.7	1395	868	5.76	4.54	88.5	86.8		
T 198 x 199	198	199	7	11	16	36.08	28.3	156.3	1193	723	5.75	4.48	76.3	72.7		
T 200 x 400	200	400	13	21	22	109.35	86	167.9	2470	11207	4.75	10.12	147.1	560.4		
T 225 x 200	225	200	9	14	18	48.38	38	173.5	2155	936	6.67	4.4	124.2	93.6		
T 250 x 200	250	200	10	16	20	57.1	44.8	190.5	3210	1071	7.5	4.33	168.5	107.1		
T 300 x 200	300	200	11	17	22	67.2	53	221.6	5786	1139	9.29	4.12	261.9	113.9		
T 294 x 300	294	300	12	20	28	96.25	75.5	233.2	6695	4509	8.34	6.84	295.3	300.6		
T 350 x 300	350	300	13	24	28	117.75	92.5	274.5	12015	5412	10.1	6.78	447.3	360.8		
T 400 x 300	400	300	14	26	28	133.7	105	308.3	18787	5866	11.85	6.62	609.5	391.1		



NOTE :

- Material specification refer to Wide Flange (IWF)
- Tolerance H= ±2mm
- Non standard sizes are available upon request and subject to minimum quantity