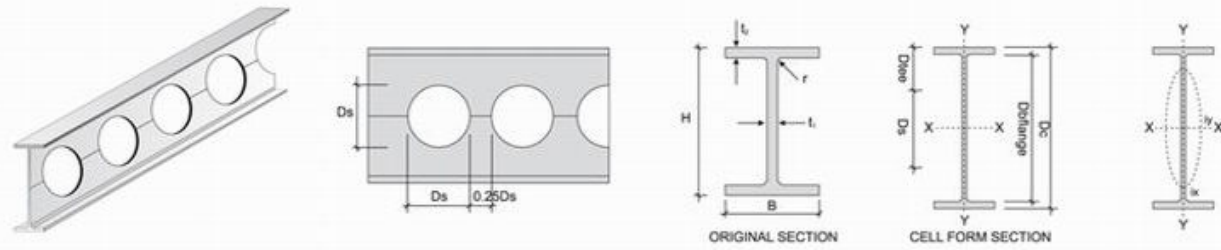


Section Properties Of Cell-Form



Metric Size

Sectional Index	Weight	Depth Of Section		Width Of Section	Thickness		Corner Radius	Depth Of Cell Form Hole	Depth Of Cell Form Tee	Depth Between Flange	Section Area		Moment Of Inertia		Radius Of Gyration		Modulus Of Section		
		Original	Cell-Form		Web	Flange					Max	Min	Ix	Iy	ix	iy	Zx	Zy	
		mm	mm	kg/m	H	Dc	B	t1	t2	r	Ds	Dtee	Dbflange	Gross	Net	cm ⁴	cm ⁴	mm	mm
100x100	150x100	16.27	100	150	100	6	8	10	103	23	134	25.0	18.8	908.9	134.0	7.0	2.7	121.2	26.8
125x75	225x75	12.78	150	225	75	5	7	8	155	35	211	21.7	14.0	1586.2	49.5	10.7	1.9	141.0	13.2
150x150	225x150	29.75	150	225	150	7	10	11	155	35	205	45.6	34.7	3897.8	563.0	10.6	4.0	346.5	75.1
200x100	300x100	19.44	200	300	100	5.5	8	11	206	47	284	32.8	21.5	4322.8	134.0	14.2	2.5	288.2	26.8
	300x99	16.54	198	300	99	4.5	7	11	210	45	286	27.9	18.4	3732.3	114.0	14.2	2.5	248.8	23.0
200x200	300x200	47.10	200	300	200	8	12	13	206	47	276	71.8	55.3	11159.9	1600.0	14.2	5.4	744.0	160.0
250x125	375x125	26.98	250	375	125	6	9	12	258	59	357	45.4	29.9	9516.5	294.0	17.8	3.1	507.5	47.0
	375x124	23.33	248	375	124	5	8	12	262	57	359	39.2	26.1	8351.7	255.0	17.9	3.1	445.4	41.1
250x250	375x250	68.32	250	375	250	9	14	16	258	59	347	103.8	80.6	25510.2	3650.0	17.8	6.7	1360.5	292.0
300x150	450x150	33.55	300	450	150	6.5	9	13	309	70	432	56.8	36.7	16943.9	508.0	21.5	3.7	753.1	67.7
	450x149	29.17	298	450	149	5.5	8	13	313	68	434	49.4	32.2	14905.3	442.0	21.5	3.7	662.5	59.3
300x300	450x300	88.76	300	450	300	10	15	18	309	70	420	135.3	104.3	47919.5	6750.0	21.4	8.0	2129.8	450.0
350x175	525x175	45.11	350	525	175	7	11	14	361	82	503	75.8	50.5	31912.4	984.0	25.1	4.4	1215.7	112.5
	525x174	37.65	346	525	174	6	9	14	369	78	507	63.8	41.6	26499.6	792.0	25.2	4.4	1009.5	91.0
350x350	525x350	129.25	350	525	350	12	19	20	361	82	487	195.5	152.3	95108.4	13599.9	25.0	9.5	3623.2	777.1
400x200	600x200	59.94	400	600	200	8	13	16	412	94	574	100.6	67.6	55799.0	1740.0	28.7	5.1	1860.0	174.0
	600x199	51.37	396	600	199	7	11	16	421	90	578	86.9	57.4	47743.1	1450.0	28.8	5.0	1591.4	145.7
450x200	675x200	68.66	450	675	200	9	14	18	464	106	647	117.6	75.9	78909.5	1870.0	32.2	5.0	2338.1	187.0
500x200	750x200	80.28	500	750	200	10	16	20	515	117	718	140.0	88.4	113123.5	2140.0	35.8	4.9	3016.6	214.0
600x200	900x200	94.11	600	900	200	11	17	22	618	141	866	168.4	100.4	184605.2	2279.9	42.9	4.8	4102.3	228.0
588x300	900x300	136.46	588	900	300	12	20	28	643	128	860	231.1	153.9	286789.2	9019.9	43.2	7.7	6373.1	601.3
400x400	600x400	162.21	400	600	400	13	21	22	412	94	558	245.5	191.9	157075.6	22399.9	28.6	10.8	5235.9	1120.0
700x300	1050x300	165.42	700	1050	300	13	24	28	722	164	1002	282.4	188.6	473991.0	10799.9	50.1	7.6	9028.4	720.0
800x300	1200x300	185.76	800	1200	300	14	26	28	825	188	1148	325.1	209.7	691563.8	11699.8	57.4	7.5	11526.1	780.0

DIMENSIONAL TOLERANCE

Flange Width (B) (mm)	Depth (Dc) (mm)			Depth Of Cell Form Hole (Ds) (mm)
	Under 400	400-600	600 & Over	
±3.0	±4.0	±5.0	±6.0	±3.0

MECHANICAL PROPERTIES

Classification	Yield Point N/mm ² Thickness(mm)		Tensile Strength N/mm ²	Elongation % Thickness (mm)		
	16 or under	over 16		5 or under	5 to 16	over 16
JIS G 3101 SS 400	245	235	400-510	21	17	21

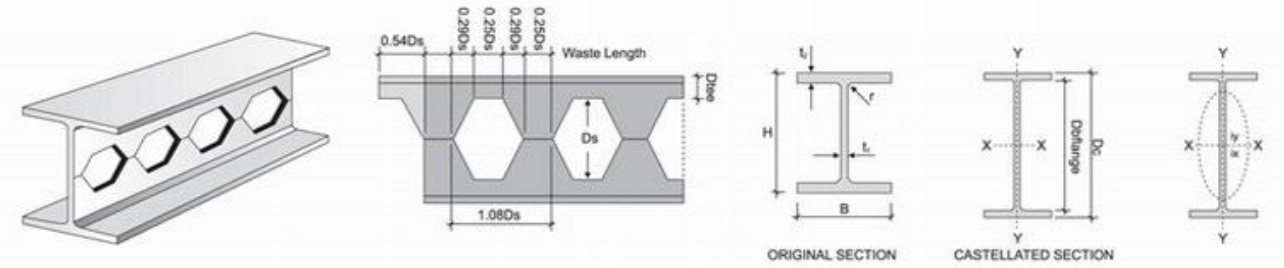
CHEMICAL COMPOSITION

Grade	Chemical Composition (%)				
	C	Si	Mn	P	S
SS 400	-	-	-	0.05 max	0.05 max

WELDING

- As per AWS
- Welding material: E 6013

Honey Comb



Metric Size

Sectional Index	Weight	Depth Of Section		Width Of Section	Thickness		Corner Radius	Depth Of Cell Form Hole	Depth Of Cell Form Tee	Depth Between Flange	Section Area		Moment Of Inertia		Radius Of Gyration		Modulus Of Section		
		Original	Cell-Form		Web	Flange					Max	Min	Ix	Iy	ix	iy	Zx	Zy	
		mm	mm	kg/m	H	Dc	B	t1	t2	r	Ds	Dtee	Dbflange	Gross	Net	cm ⁴	cm ⁴	mm	mm
100x100	150x100	17.2	100	150	100	6	8	10	105	22.5	134	24.90	18.57	905.3	134.0	7.0	2.7	120.7	26.8
125x75	225x75	14.0	150	225	75	5	7	8	154	35.5	211	21.60	13.85	1579.7	49.5	10.7	1.9	140.4	13.2
150x150	225x150	31.5	150	225	150	7	10	11	154	35.5	205	45.39	34.54	3889.6	563.0	10.6	4.0	345.7	75.1
200x100	300x100	21.3	200	300	100	5.5	8	11	205	47.5	284	32.66	21.36	4306.8	134.0	14.2	2.5	287.1	26.8
	297x99	18.2	198	397	99	4.5	7	11	202	47.5	283	27.64	18.50	3643.9	114.0	14.0	2.5	245.4	23.0
200x200	300x200	49.9	200	300	200	8	12	13	205	47.5	276	71.53	55.09	11139.0	1600.1	14.2	5.4	742.6	160.0
250x125	375x125	29.6	250	375	125	6	9	12	254	60.5	357	45.16	29.86	9491.5	294.1	17.8	3.1	506.2	47.0
	372x124	25.7	248	372	124	5	8	12	253	59.5	356	38.88	26.21	8189.6	255.0	17.7	3.1	440.3	41.1
250x250	375x250	72.4	250	375	250	9	14	16	254	60.5	347	103.43	80.48	25477.5	3650.2	17.8	6.7	1358.8	292.0
300x150	450x150	36.7	300	450	150	6.5	9	13	305	72.5	432	56.53	36.67	16895.1	508.1	21.5	3.7	750.9	67.7
	447x149	32.0	298	447	149	5.5	8	13	302	72.5	431	49.00	32.33	14664.0	442.0	21.3	3.7	656.1	59.3
300x300	450x300	94.0	300	450	300	10	15	18	305	72.5	420	134.80	104.25	47854.8	6750.3	21.4	8.0	2126.9	450.0
350x175	525x175	49.6	350	525	175	7	11	14	354	85.5	503	75.39	50.54	31847.5	984.1	25.1	4.4	1213.2	112.5
	519x174	41.4	346	519	174	6	9	14	350	84.5	501	63.06	42.00	25819.2	792.1	24.8	4.3	995.0	91.0
350x350	525x350	137	350	525	350	12	19	20	354	85.5	487	194.90	152.30	95013.1	13600.6	25.0	9.4	3619.5	777.2
400x200	600x200	66.0	400	600	200	8	13	16	405	97.5	574	100.12	67.68	55683.6	1740.2	28.7	5.1	1856.1	174.0
	594x199	56.6	396	594	199	7	11	16	401	96.5	572	86.02	57.92	46656.1	1450.1	28.4	5.0	1570.9	145.7
450x200	675x200	76.0	450	675	200	9	14	18	454	110.5	647	117.01	76.06	78747.4	1870.3	32.2	5.0	2333.3	187.0
500x200	750x200	89.6	500	750	200	10	16	20	505	122.5	718	139.20	88.65	112855.7	2140.5	35.7	4.9	3009.5	214.0
600x200	900x200	106	600	900	200	11	17	22	605	147.5	866	167.40	100.80	184103.0	2280.8	42.7	4.8	4091.2	228.1
588x300	882x300	151	588	882	300	12	20	28	593	144.5	842	227.78	156.56	274532.9	9021.0	41.9	7.6	6225.2	601.4
400x400	600x400	172	400	600	400	13	21	22	405	97.5	558	244.70	191.99	156913.2	22400.8	28.6	10.8	5230.4	1120.0
700x300	1050x300	185	700	1050	300	13	24	28	705	172.5	1002	281.00	189.29	473222.7	10801.5	50.0	7.6	9013.8	720.1
800x300	1200x300	210	800	1200	300	14	26	28	805	197.5	1148	323.40	210.63	690341.9	11702.2	57.2	7.5	11505.7	780.1

DIMENSIONAL TOLERANCE

Flange Width (B) (mm)	Depth (Dc) (mm)			Depth Of Cell Form Hole (Ds) (mm)
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CHEMICAL COMPOSITION

Grade	Chemical Composition (%)				
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SS 400	-	-	-	0.05 max	0.05 max

WELDING

- As per AWS
- Welding material: E 6013

