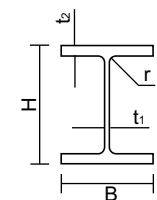
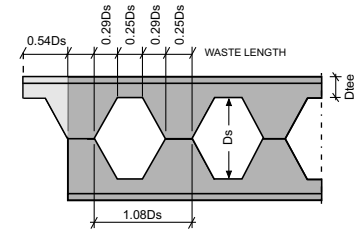
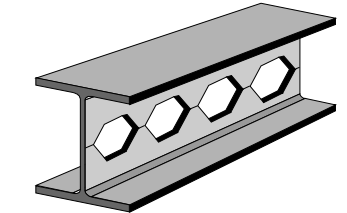




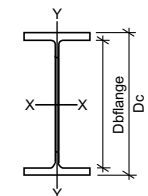
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METRIC SIZE

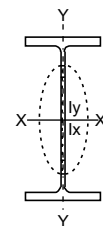
SECTIONAL INDEX		WEIGHT	DEPTH OF SECTION		WIDTH OF SECTION	THICKNESS		CORNER RADIUS	DEPTH OF CASTELATED HOLE	DEPTH OF CASTELATED TEE	DEPTH BETWEEN FLANGES	SECTION AREA		MOMENT OF INERTIA		RADIUS OF GYRATION		MODULUS OF SECTION	
			Original	Castellated		Web	Flange					Max	Min	I _x	I _y	i _x	i _y	Z _x	Z _y
Original	Castellated	kg/m	H	Dc	B	t ₁	t ₂	r	Ds	Dtee	Dbflange	Gross	Net	I _x	I _y	i _x	i _y	Z _x	Z _y
mm	mm		mm	mm	mm	mm	mm	mm	mm	mm	mm	cm ²	cm ²	cm ⁴	cm ⁴	cm	cm	cm ³	cm ³
100 X 100	150 X 100	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
150 X 75	225 X 75	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
150 X 150	225 X 150	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
200 X 100	300 X 100	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
	297 X 99	18.2	198	297	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
200 X 200	300 X 200	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
250 X 125	375 X 125	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
	372 X 124	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
250 X 250	375 X 250	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
300 X 150	450 X 150	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
	447 X 149	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
300 X 300	450 X 300	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
350 X 175	525 X 175	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
	519 X 174	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
350 X 350	525 X 350	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
400 X 200	600 X 200	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
	594 X 199	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
450 X 200	675 X 200	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
500 X 200	750 X 200	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
600 X 200	900 X 200	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
588 X 300	882 X 300	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
400 X 400	600 X 400	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
700 X 300	1050 X 300	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
800 X 300	1200 X 300	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



ORIGINAL SECTION



CASTELATED SECTION



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

CHEMICAL COMPOSITION

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

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

WELDING

- As per AWS
- Welding material: E 6013