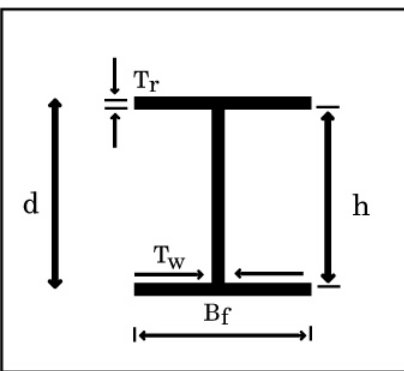
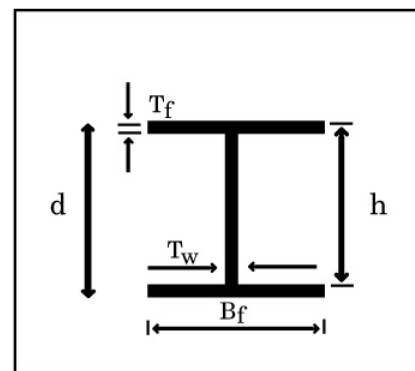


VP



CP



$F_y = 2530 \text{ kgf/cm}^2$ $F_u = 4080 \text{ kgf/cm}^2$



Serie Estándar - Propiedades para el Diseño

DESIGNACIÓN	DIMENSIONES			SECCIÓN TOTAL								TORSIÓN		ESBELTECES		DISEÑO AISC-ASD			DISEÑO AISC -LRFD				
	Alma	Alas		Área A cm ²	Eje X-X				Eje Y-Y				J cm ⁴	C _w cm ⁶	Alma	Alas	Flexión		Comprensión		Flexión		Comprensión
Serie d x Peso mm x kgf / m	t _w	b _f	t _f		I _x	S _x	r _x	Z _x	I _y	S _y	r _y	Z _y			h/t _w	b _f /2t _f	r _t	d/A _f	φ _{as}	C1	C2x10 ⁹	K _c	φ _{as}
	mm	mm	mm	cm ⁴	cm ³	cm	cm ³	cm ⁴	cm ³	cm	cm ³	cm	cm ⁴	cm ⁶	cm	cm ⁻¹		kgf/cm ²	(1/kgf/cm ²) ²				
VP 120 x 9.70	3.0	100	4.5	12.3	335	55.7	5.21	61.2	75	15.0	2.47	22.7	0.70	2500	37.0	11.1	2.72	2.67	1.000	152000	1300	0.658	1.000
140 x 12.4	3.0	100	6.0	15.8	592	84.5	6.11	92.7	100	20.0	2.51	30.3	1.52	4490	42.7	8.33	2.74	2.33	0.998	168000	853	0.612	1.000
160 x 16.4	6.0	100	6.0	20.9	874	109	6.47	125	100	20.0	2.19	31.3	2.52	5930	24.7	8.33	2.59	2.67	1.000	192000	682	0.763	1.000
180 x 17.7	4.5	125	6.0	22.6	1310	146	7.43	162	195	31.3	2.94	47.7	2.29	14800	37.3	10.4	3.34	2.40	1.000	143000	1880	0.655	1.000
200 x 24.1	4.5	125	9.0	30.7	2280	228	8.62	252	293	46.9	3.09	71.2	6.44	26700	40.4	6.94	3.41	1.78	1.000	178000	700	0.629	1.000
250 x 29.4	4.5	150	9.0	37.4	4390	351	10.8	386	506	67.5	3.68	102	7.80	73500	51.6	8.33	4.08	1.85	0.961	141000	1800	0.557	0.978
300 x 41.3	6.0	150	12.0	52.6	8520	568	12.7	633	676	90.1	3.58	138	18.7	140000	46.0	6.25	4.03	1.67	0.981	159000	1180	0.590	0.998
350 x 48.3	6.0	175	12.0	61.6	13700	785	14.9	869	1070	123	4.17	187	21.9	306000	54.3	7.29	4.70	1.67	0.945	135000	2250	0.543	0.965
400 x 55.4	6.0	200	12.0	70.6	20700	1040	17.1	1140	1600	160	4.76	243	25.1	602000	62.7	8.33	5.37	1.67	0.916	118000	3920	0.505	0.938
420 x 65.7	9.0	200	12.0	83.6	24600	1170	17.2	1330	1600	160	4.38	248	32.4	666000	44.0	8.33	5.17	1.75	0.987	128000	3350	0.603	1.000
CP 140 x 25.5	6.0	140	9.0	32.5	1170	168	6.00	187	412	58.8	3.56	89.3	7.55	17700	20.3	7.78	3.86	1.11	1.00	270000	130	0.763	1.00
160 x 29.3	6.0	160	9.0	37.3	1790	223	6.92	248	615	76.8	4.06	117	8.67	35000	23.7	8.89	4.41	1.11	1.00	233000	232	0.763	1.00
180 x 33.1	6.0	180	9.0	42.1	2580	287	7.83	316	875	97.2	4.56	147	9.78	64000	27.0	10.0	4.95	1.11	1.00	205000	386	0.763	1.00
200 x 50.1	9.0	200	12.0	63.8	4660	466	8.54	521	1600	160	5.01	244	27.0	141000	19.6	8.33	5.48	0.83	1.00	258000	161	0.763	1.00
220 x 55.3	9.0	220	12.0	70.4	6280	571	9.44	636	2130	194	5.50	294	29.8	230000	21.8	9.17	6.02	0.83	1.00	232000	243	0.763	1.00
240 x 60.4	9.0	240	12.0	77.0	8250	687	10.4	762	2770	231	6.00	350	32.6	359000	24.0	10.0	6.57	0.83	1.00	211000	354	0.763	1.00
260 x 65.7	9.0	260	12.0	83.6	10600	815	11.3	900	3520	271	6.48	410	35.4	540000	26.2	10.8	7.11	0.83	1.00	193000	500	0.763	1.00