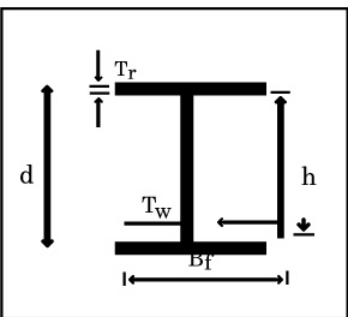
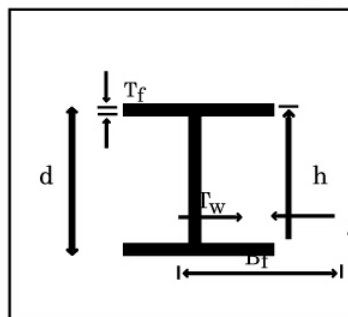


VP**CP** $F_y = 2530 \text{ kgf/cm}^2$ $F_u = 4080 \text{ kgf/cm}^2$ **Serie Estándar - Propiedades para el diseño**

DESIGNACIÓN	MOMENTOS, $\phi_b M_n$, en m.tf							CARGA AXIAL, $\phi_c N_n$, en tf							
	Longitud no arriostrada, L_b , en m							Longitud efectiva, kL , en m							
Serie d x Peso mm x kgf / m	2.00	3.00	4.00	5.00	6.00	7.00	8.00	1.50	2.00	2.25	2.50	2.75	3.00	3.25	3.50
VP 120 x 9.70	1.24	1.03	0.819	0.624	0.498	0.415		22.0	19.0	17.3	15.7	14.1	12.5	10.9	9.46
140 x 12.4	1.90	1.61	1.320	1.040	0.832	0.696		28.4	24.7	22.6	20.5	18.5	16.4	14.5	12.6
160 x 16.4	2.49	2.09	1.690	1.300	1.050	0.886	0.765	35.3	29.3	26.2	23.1	20.1	17.2	14.7	12.7
180 x 17.7	3.44	2.96	2.480	2.000	1.570	1.290	1.090	42.5	38.3	36.0	31.1	30.9	28.5	26.0	23.6
200 x 24.1	5.47	4.86	4.260	3.650	3.050	2.520	2.160	58.5	53.3	50.3	47.2	44.0	40.8	37.5	34.3
250 x 29.4	8.64	7.71	6.790	5.860	4.930	4.040	3.400	72.6	67.9	65.3	62.5	59.6	56.5	53.3	50.1
300 x 41.3	14.1	12.7	11.30	9.830	8.400	6.970	5.890	103	96.2	92.3	88.0	83.6	78.9	74.2	69.4
350 x 48.3	19.8	18.1	16.20	14.30	12.40	10.60	8.810	120	114	111	107	103	99.0	94.8	90.3
400 x 55.4	26.0	24.6	22.30	19.90	17.60	15.30	12.90	136	131	128	125	121	118	114	110
420 x 65.7	30.3	28.1	25.30	22.50	19.70	16.90	14.20	169	162	157	152	147	141	136	130
CP 140 x 25.5	4.21	3.95						63.9	59.5	57.0	54.4	51.5	48.6	45.7	42.7
160 x 29.3	5.64	5.30						74.9	70.9	68.6	66.1	63.5	60.7	57.8	54.9
180 x 33.1	7.20	6.88						85.7	82.1	80.0	77.7	75.2	72.6	69.6	67.0
200 x 50.1	11.9	11.6	11.1	10.5	9.97	9.43	8.89	131	126	124	121	118	114	111	107
220 x 55.3	14.5	14.3	13.6	13.0	12.3	11.6	11.0	146	142	139	136	133	130	127	123
240 x 60.4	17.3	17.3	16.5					160	157	154	152	149	146	143	139
260 x 65.7	20.5	20.5	19.8	18.8				175	171	169	167	164	161	158	155