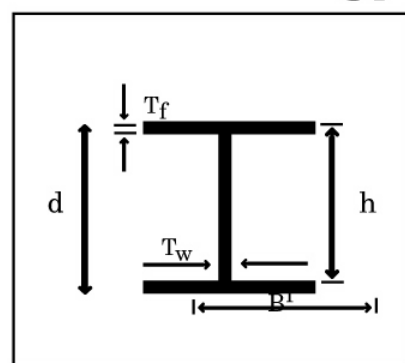
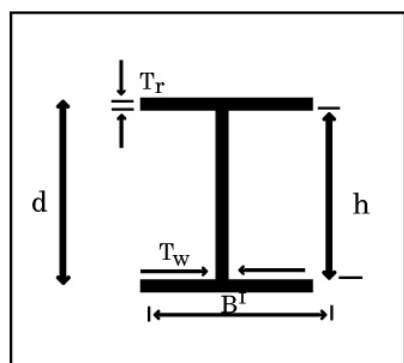


VP**CP**

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

* Serie Petrolera

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				
Serie d x Peso mm x kgf / m	t _w mm	b _f mm	t _f mm		I _x cm ⁴	S _x cm ³	r _x cm	Z _x cm ³	I _y cm ⁴	S _y cm ³	r _y cm	Z _y cm ³			h/t _w	b _f /2t _f	r _t cm	d/A _f cm ⁻¹	φ _{as}	C1	C2x10 ⁹ kgf/cm ²	K _c (1/kgf/cm ²) ²	φ _{as}
VP 120 x 18.9	6.0	100	9.0	24.1	609	102	5.02	116	150	30.0	2.50	45.9	5.46	4600	17.0	5.56	2.74	1.33	1.00	327000	65	0.763	1.00
140 x 19.9	6.0	100	9.0	25.3	864	124	5.84	140	150	30.0	2.44	46.1	5.61	6430	20.3	5.56	2.71	1.56	1.00	279000	127	0.763	1.00
160 x 20.8	6.0	100	9.0	26.5	1170	146	6.64	166	150	30.1	2.38	46.3	5.75	8550	23.7	5.56	2.68	1.78	1.00	244000	226	0.763	1.00
180 x 21.8	6.0	100	9.0	27.7	1530	170	7.43	193	150	30.1	2.33	46.5	5.90	11000	27.0	5.56	2.66	2.00	1.00	218000	372	0.763	1.00
200 x 26.2	6.0	125	9.0	33.4	2350	236	8.39	265	293	46.9	2.96	72.0	7.26	26700	30.3	6.94	3.35	1.78	1.00	191000	600	0.726	1.00
x 36.0	9.0	125	12.0	45.8	3060	306	8.17	352	392	62.7	2.92	97.3	18.4	34500	19.6	5.21	3.33	1.33	1.00	274000	150	0.763	1.00
240 x 32.8	6.0	120	12.0	41.8	4250	354	10.1	398	346	57.7	2.88	88.3	14.8	44900	36.0	5.00	3.23	1.67	1.00	203000	457	0.667	1.00
x 37.8	9.0	120	12.0	48.2	4500	375	9.66	433	347	57.8	2.68	90.8	18.8	44900	24.0	5.00	3.13	1.67	1.00	232000	317	0.763	1.00
250 x 38.9	6.0	150	12.0	49.6	5680	454	10.7	505	675	90.1	3.69	137	18.3	95600	37.7	6.25	4.08	1.39	1.00	192000	535	0.652	1.00
x 44.2	9.0	150	12.0	56.3	5970	477	10.3	543	676	90.2	3.46	140	22.5	95600	25.1	6.25	3.97	1.39	1.00	216000	391	0.763	1.00
300 x 47.8	9.0	150	12.0	60.8	9050	603	12.2	690	677	90.2	3.34	141	23.7	140000	30.7	6.25	3.91	1.67	1.00	182000	822	0.722	1.00
350 x 56.0	9.0	175	12.0	71.3	14600	834	14.3	949	1070	123	3.88	190	27.8	306000	36.2	7.29	4.55	1.67	1.00	154000	1570	0.665	1.00
400 x 64.2	9.0	200	12.0	81.8	22000	1100	16.4	1250	1600	160	4.42	248	31.9	602000	41.8	8.33	5.20	1.67	1.00	134000	2760	0.619	1.00
CP 160 x 39.8	9.0	160	12.0	50.6	2300	287	6.73	326	820	103	4.02	156	21.4	44800	15.1	6.67	4.39	0.830	1.00	332000	60	0.763	1.00
180 x 44.9	9.0	180	12.0	57.2	3340	371	7.64	418	1170	130	4.52	198	24.2	82300	17.3	7.50	4.94	0.830	1.00	290000	101	0.763	1.00

*Se suministra sólo bajo pedido