



**VIGA I.P.R.**

PERFIL "I.P.R."	PESO	AREA	PERALTE	PATIN		ESPESOR DEL ALMA	EJE X-X			EJE Y-Y			d Af
				ANCHO m.m.	ESPESOR m.m.		l Cm4	s Cm3	r Cm	l Cm4	s Cm3	r Cm	
6" x 4" 152.4 x 101.6	13.47 17.90 23.80	17.29 22.77 30.45	149.86 152.00 159.00	100.07 102 102	5.46 7.10 10.30	4.31 5.80 6.20	682.61 903.00 1319.00	91.11 119.00 165.00	6.27 6.30 6.58	91.57 120.20 179.80	18.18 23.00 35.00	2.29 2.30 2.43	2.726 2.099 1.153
8" x 4" 203.2 x 101.6	14.90 19.40 22.40	19.03 24.71 28.58	201.00 203.00 206.00	100 102 102	5.20 6.50 8.00	4.30 5.80 6.20	1282.00 1644.00 1998.00	127.00 162.00 193.00	8.20 8.15 8.35	82.80 109.00 137.30	16.00 21.00 27.00	2.08 2.10 2.19	3.865 6.062 2.525
8" x 5-1/4" 203.2 x 133.4	26.90 32.80	33.93 39.74	206.75 210.31	133.35 133.85	8.38 10.16	5.84 6.35	2576.47 3134.22	249.08 298.24	8.71 8.86	331.73 405.65	49.81 60.79	3.12 3.20	1.850 1.646
10" x 4" 254.0 x 106.6	17.90 22.40 25.30 28.30	21.87 28.38 32.23 36.19	251.00 254.00 257.00 260.00	100 102 102 102	5.20 6.80 8.40 10.00	4.60 5.80 6.10 6.40	2160.00 2864.00 3405.00 4004.00	172.00 226.00 265.00 308.00	9.96 10.03 10.28 10.52	83.60 116.10 143.60 174.40	17.00 23.00 28.00 34.00	1.95 2.02 2.11 2.19	4.827 3.662 3.600 2.549
10" x 5-3/4" 254.0 x 101.6	32.80 38.70 44.70	51.87 49.09 47.03	258.31 262.38 265.93	146.05 146.55 147.57	9.14 11.17 12.95	6.09 6.50 7.62	4911.53 5993.73 7075.93	380.18 457.20 530.94	10.84 11.04 11.12	474.50 586.88 695.10	66.50 80.13 94.22	3.37 3.45 3.47	1.935 1.603 1.392
12" x 4" 304.8 x 101.6	20.90 23.80 28.30 32.80	26.71 30.38 36.25 41.75	302.00 304.54 309.00 313.00	100 101.34 102 102	5.70 5.58 5.10 6.60	5.10 5.58 6.10 6.60	3671.00 4287.18 5415.00 6481.00	243.00 280.22 350.00 414.00	11.71 11.86 12.22 12.47	93.60 117.37 152.70 189.30	18.00 23.10 30.00 37.00	1.87 1.98 2.05 2.13	5.298 4.455 3.400 2.811
12" x 6-1/2" 304.8 x 165.1	38.70 44.70 52.20	49.35 56.70 66.45	310.38 313.43 317.50	165 166 167	9.65 11.17 13.20	5.84 6.60 7.62	8491 9906 11862.6	547 633 747	13.13 13.23 13.33	720 845 1020	88 102 122	3.83 3.86 3.91	1.951 1.694 1.444
12" x 8" 304.8 x 203.2	59.60 67.10 74.50	75.94 85.42 94.90	303.00 306.00 309.00	203 204 205	13.10 14.60 16.30	7.50 8.50 9.40	12907 14600 10420	850 953 1060	13.03 13.08 13.15	1835 2081 2347	180 203 229	4.92 4.92 4.97	1.139 1.017 0.925
14" x 6-3/4" 406.4 x 177.8	44.70 50.70 56.60	56.84 64.52 72.06	352.00 356.00 359.00	171 171 172	9.70 11.50 13.00	6.90 7.30 7.90	12053 14117 16030	685 795 895	14.50 14.80 14.90	728 806 1023	85 103 120	3.58 3.70 3.78	2.122 1.810 1.606
14" x 8" 406.4 x 177.8	64.10 71.50 79.10	81.61 91.03 100.58	347.00 351.00 354.00	203 204 205	13.40 15.10 16.70	7.80 8.60 9.40	17856 21457 24279	1027 1150 1275	14.78 14.88 14.98	1877 2135 2303	185 209 234	4.80 4.85 4.87	1.276 1.139 1.034
16" x 7" 406.4 x 177.8	53.60 59.60 67.10 74.50	68.32 75.94 85.42 98.84	403.00 406.00 409.00 413.00	177 178 179 180	10.90 12.70 14.30 15.90	7.60 7.80 8.80 9.60	18576 21457 24279 27280	923 1055 1186 1322	16.48 16.81 16.87 16.97	920 1103 1270 1448	103 125 143 161	3.68 3.61 3.86 3.91	2.089 1.796 1.593 1.443
18" x 7-1/2" 457.2 x 190.5	74.40 81.84 89.28 96.72 105.65	94.84 104.52 113.55 123.23 134.19	457.00 460.00 463.00 466.09 469.13	190 191 192 193 194	14.50 16.00 17.70 19.50 20.57	9.00 9.90 10.50 11.43 12.57	33299 37045 40957 44537 48699	1457 1611 1770 1917 2081	18.75 18.82 18.97 19.02 19.05	1669 1869 2085 2281 2510	175 195 218 236 259	4.19 4.24 4.29 4.29 4.31	1.240 1.176
18" x 11" 457.2 x 279.4	113.20 128.10 144.30 157.70 177.30	143.87 163.22 183.87 200.64 226.45	462.53 467.10 472.18 475.74 481.83	280 282 283 284 286	17.27 19.55 22.09 23.87 26.92	10.79 12.19 13.58 14.98 16.63	55359 63683 72841 79500 91155	2393 2720 3081 3343 3785	19.53 19.73 19.86 19.91 20.06	6327 7284 8366 9157 10531	452 518 592 646 736	6.62 6.68 6.73 6.75 6.83	1.956 0.848 0.755 1.701 1.626

**VIGA I.P.S.**

PERALTE	PESO	AREA	EJE X-X			EJE Y-Y		
			l	r	s	l	r	s
m.m.	pulg	kg/m	cm4	cm	cm3	cm4	cm	cm3
76.2	3	8.49	103.30	3.12	27.1	19.1	1.35	6.5
100.0	4L	8.34	171.00	4.01	34.2	12.2	1.07	4.8
101.6	4	11.46	249.30	4.17	48.9	32.1	1.50	9.5
127.0	5	14.88	503.30	5.21	79.3	52.1	1.65	13.4
152.4	6	18.6	906.80	6.25	119.0	77.0	1.83	18.2
177.8	7	22.78	1506.80	7.26	169.5	112.3	1.98	24.2
203.2	8	27.38	2367.20	8.31	233.0	157.3	2.13	31

**DATOS PARA DETALLAR**

PERALTE DE LA VIGA	PESO	PATIN		ALMA			DISTANCIA			GRA MIL G	DIAMETRO MAX. DE LOS REMACHES O TORNILLOS	
		ANCHO B	ESPES D	ESPEJOR C	MEDIO	TANGENTE	F	E	F			
					ESPEJOR C/2	T						
mm	kg/m	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
76.2	8.5	59.0	6.6	4.3	2.0	45.0	15.5	38.0	12.0	27.0	36.0	9.5
101.6	11.5	68.0	7.4	4.8	3.0	70.0	16.0	50.0	13.0	32.0	38.0	12.7
127.0	14.9	76.0	8.3	5.3	3.0	89.0	19.0	64.0	13.0	35.0	40.0	12.7
152.4	18.6	85.0	9.1	5.8	3.0	114.0	19.0	72.0	13.0	40.0	44.0	15.8
203.2	27.4	102.0	10.8	6.9	4.0	159.0	22.0	76.0	14.0	48.0	56.0	19.0