

METÁLICOS MEDELLÍN

EN ACERO, SURTIDO, PRECIO Y SERVICIO...EL MEJOR

HOJA TÉCNICA DE PRODUCTO

IPR RECTANGULAR

I.P.R. PERFIL RECTANGULAR

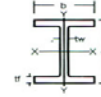
PROPIEDADES PARA DISEÑO

$$F_b = \frac{843.700}{L \left(\frac{d}{Af} \right)}$$

Form. (5)

$$F_b = \left(1 - \frac{(L/r)^2}{2C_c^2 C_b} \right) 0.6 F_y$$

Form. (4)



pulgadas mm d x b	peso kg/m.	área cm ²	peralte mm	PATIN		espesor del alma	EJE X-X			EJE Y-Y			d Af Cm-1
				ancho mm	espesor mm		l Cm4	s Cm3	r Cm	l Cm4	s Cm3	r Cm	
6" x 4" 152.4 x 101.6	13.47	17.29	149.86	100.07	5.46	4.31	682.61	91.11	6.27	91.57	18.18	2.29	2.726
	17.90	22.77	152.00	102	7.10	5.80	903.00	119.00	6.30	120.20	23.00	2.30	2.099
	23.80	30.45	159.00	102	10.30	6.20	1319.00	165.00	6.58	179.80	35.00	2.43	1.153
8" x 4" 203.2 x 101.6	14.90	19.03	201.00	100	5.20	4.30	1282.00	127.00	8.20	82.80	16.00	2.08	3.865
	19.40	24.71	203.00	102	6.50	5.80	1644.00	162.00	8.15	109.00	21.00	2.10	6.062
	22.40	28.58	206.00	102	8.00	6.20	1998.00	193.00	8.35	137.30	27.00	2.19	2.525
8" x 5-1/4" 203.2 x 133.4	26.90	33.93	206.75	133.35	8.38	5.84	2576.47	249.08	8.71	331.73	49.81	3.12	1.850
	32.80	39.74	210.31	133.85	10.16	6.35	3134.22	298.24	8.86	405.65	60.79	3.20	1.646
10" x 4" 254.0 x 106.6	17.90	21.87	251.00	100	5.20	4.60	2160.00	172.00	9.96	83.60	17.00	1.95	4.827
	22.40	28.38	254.00	102	6.80	5.80	2864.00	226.00	10.03	116.10	23.00	2.02	3.662
	25.30	32.23	257.00	102	8.40	6.10	3405.00	265.00	10.28	143.60	28.00	2.11	3.600
	28.30	36.19	260.00	102	10.00	6.40	4004.00	308.00	10.52	174.40	34.00	2.19	2.549
10" x 5-3/4" 254.0 x 101.6	32.80	51.87	258.31	146.05	9.14	6.09	4911.53	380.18	10.84	474.50	66.50	3.37	1.935
	38.70	49.09	262.38	146.55	11.17	6.50	5993.73	457.20	11.04	586.88	80.13	3.45	1.603
	44.70	47.03	265.93	147.57	12.95	7.62	7075.93	530.94	11.12	695.10	94.22	3.47	1.392
12" x 4" 304.80 x 101.6	20.90	26.71	302.00	100	5.70	5.10	3671.00	243.00	11.71	93.60	18.00	1.87	5.298
	23.80	30.38	304.54	101.34	5.58	5.58	4287.18	280.22	11.86	117.37	23.10	1.98	4.455
	28.30	36.25	309.00	102	5.10	6.10	5415.00	350.00	12.22	152.70	30.00	2.05	3.400
	32.80	41.75	313.00	102	6.60	6.60	6481.00	414.00	12.47	189.30	37.00	2.13	2.811
12" x 6-1/2" 304.8 x 165.1	38.70	49.35	310.38	165	9.65	5.84	8491	547	13.13	720	88	3.83	1.951
	44.70	56.70	313.43	166	11.17	6.60	9906	633	13.23	845	102	3.86	1.694
	52.20	66.45	317.50	167	13.20	7.62	11862.6	747	13.33	1020	122	3.91	1.444
12" x 8" 304.8 x 203.2	59.60	75.94	303.00	203	13.10	7.50	12907	850	13.03	1835	180	4.92	1.139
	67.10	85.42	306.00	204	14.60	8.50	14600	953	13.08	2081	203	4.92	1.017
	74.50	94.90	309.00	205	16.30	9.40	10420	1060	13.15	2347	229	4.97	0.925
14" x 6-3/4" 406.4 x 177.8	44.70	56.84	352.00	171	9.70	6.90	12053	685	14.50	728	85	3.58	2.122
	50.70	64.52	356.00	171	11.50	7.30	14117	795	14.80	806	103	3.70	1.810
	56.60	72.06	359.00	172	13.00	7.90	16030	895	14.90	1023	120	3.78	1.606
14" x 8" 406.4 x 177.8	64.10	81.61	347.00	203	13.40	7.80	17856	1027	14.78	1877	185	4.80	1.276
	71.50	91.03	351.00	204	15.10	8.60	21457	1150	14.88	2135	209	4.85	1.139
	79.10	100.58	354.00	205	16.70	9.40	24279	1275	14.98	2303	234	4.87	1.034
16" x 7" 406.4 x 177.8	53.60	68.32	403.00	177	10.90	7.60	18576	923	16.48	920	103	3.68	2.089
	59.60	75.94	406.00	178	12.70	7.80	21457	1055	16.81	1103	125	3.61	1.796
	67.10	85.42	409.00	179	14.30	8.80	24279	1186	16.87	1270	143	3.86	1.593
	74.50	98.84	413.00	180	15.90	9.60	27280	1322	16.97	1448	161	3.91	1.443
18" x 7-1/2" 457.2 x 190.5	74.40	94.84	457.00	190	14.50	9.00	33299	1457	18.75	1669	175	4.19	
	81.84	104.52	460.00	191	16.00	9.90	37045	1611	18.82	1869	195	4.24	
	89.28	113.55	463.00	192	17.70	10.50	40957	1770	18.97	2085	218	4.29	
	96.72	123.23	466.09	193	19.50	11.43	44537	1917	19.02	2281	236	4.29	1.240
	105.65	134.19	469.13	194	20.57	12.57	48699	2081	19.05	2510	259	4.31	1.176
18" x 11" 457.2 x 279.4	113.20	143.87	462.53	280	17.27	10.79	55359	2393	19.53	6327	452	6.62	1.956
	128.10	163.22	467.10	282	19.55	12.19	63683	2720	19.73	7284	518	6.68	0.848
	144.30	183.87	472.18	283	22.09	13.58	72841	3081	19.86	8366	592	6.73	0.755
	157.70	200.64	475.74	284	23.87	14.98	79500	3343	19.91	9157	646	6.75	1.701
	177.30	226.45	481.83	286	26.92	16.63	91155	3785	20.06	10531	736	6.83	1.626

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