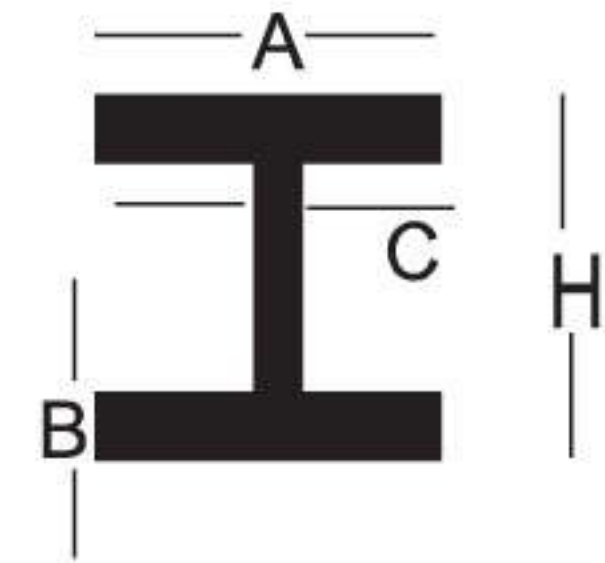


VIGA (PERFIL " IPR ")

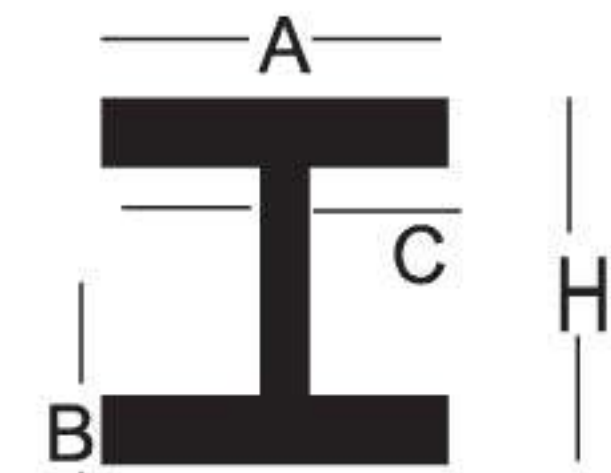
H - Peralte
A - Patin
B - Espesor de Patin
C - Espesor del Alma



PULGADAS			PERALTE	PATIN		ESPESOR	KGS/PZA
MILIMETROS	LBS/FT	KGS/MTO	MM	ANCHO (MM)	ESPESOR (MM)	ALMA MM	(12.20 MTS)
H X A			H	A	B	C	
33" x 11 1/2" 840 x 295	118	176	835	292.00	18.80	14.00	2147.20
	130	193	840	292.00	21.70	14.70	2354.60
	141	210	846	293.00	24.40	15.40	2562.00
	152	226	851	294.00	26.80	16.10	2757.20
	169	251	859	292.00	31.00	17.00	3062.20
36" x 12" 920 x 310	135	201	903	304.00	20.10	15.20	2452.20
	150	223	911	304.00	23.90	15.90	2720.60
	160	238	915	305.00	25.90	16.50	2903.60
	170	253	919	306.00	27.90	17.30	3086.60
	182	271	923	307.00	30.00	18.40	3306.20
	194	289	927	308.00	32.00	19.40	3525.80
	210	313	932	309.00	34.50	21.10	3818.60
36" x 16 1/2" 920 x 420	230	342	912	418.00	32.00	19.30	4172.40
	245	365	916	419.00	34.60	20.30	4453.00
	260	387	921	420.00	36.60	21.63	4721.40
	280	417	928	422.00	39.90	22.50	5087.40
	300	446	933	423.00	42.70	24.00	5441.20
	328	488	942	422.00	47.00	25.90	5953.60
	359	534	950	425.00	51.10	28.40	6514.80
	393	585	960	427.00	55.90	31.00	7137.00
	439	653	972	431.00	62.00	34.05	7966.60
	527	784	996	437.00	73.90	40.90	9564.80
	650	967	1028	446.00	89.90	50.00	11797.40
40" x 12" 1000 x 300	149	222	970	300.00	21.10	16.00	2708.40
	167	249	980	300.00	26.00	16.50	3037.80
	183	272	990	300.00	31.00	16.50	3318.40
	211	314	1000	300.00	35.90	19.10	3830.80
	235	350	1008	302.00	40.00	21.10	4270.00
	264	393	1016	303.00	43.90	24.40	4794.60
	279	415	1020	301.00	46.00	26.00	5063.00
	294	438	1026	305.00	49.00	27.00	5343.60
	332	494	1036	309.00	54.00	31.00	6026.80
	392	584	1056	314.00	64.00	36.00	7124.80

VIGA (PERFIL " IPR ")

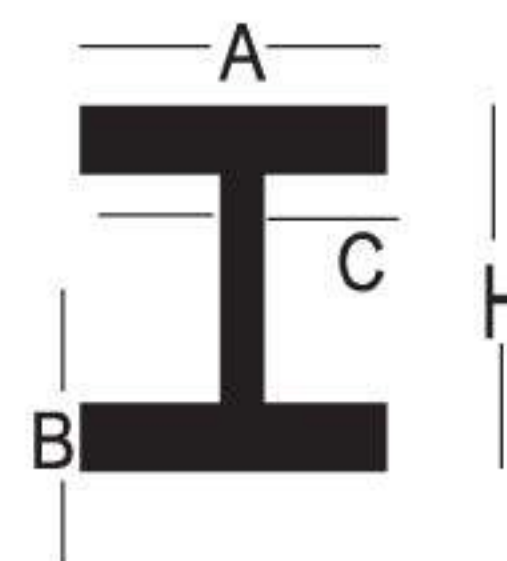
H - Peralte
A - Patin
B - Espesor de Patin
C - Espesor del Alma



PULGADAS				PERALTE	PATIN		ESPESOR	KGS/PZA (12.20 MTS)
MILIMETROS	LBS/FT	KGS/MTO	MM	ANCHO (MM)	ESPESOR (MM)	ALMA MM		
H X A			H	A	B	C		
6" x 4" 152.4 x 101.6	9	13.4	149.86	100.07	5.46	4.31	164	
	12	17.9	152.00	102.00	7.10	5.80	219	
	16	23.8	159.00	102.00	10.30	6.60	291	
8" x 4" 203.2 x 101.6	10	14.9	201.00	100.00	5.20	4.30	182	
	13	19.4	203.00	102.00	6.50	5.80	237	
	15	22.4	206.00	102.00	8.00	6.20	274	
8" x 5 1/4 203.2 x 133.4	18	26.9	206.75	133.35	8.38	5.84	329	
	21	31.3	210.31	133.35	10.16	6.35	382	
10" x 4" 254.0 x 101.6	12	17.9	251.00	100.00	5.20	4.60	219	
	15	22.4	254.00	102.00	6.80	5.80	274	
	17	25.5	257.00	102.00	8.40	6.10	312	
	19	28.3	260.00	102.00	10.00	6.40	346	
10" x 5 3/4 254.0 x 146.0	22	32.8	258.31	146.05	9.14	6.09	401	
	26	38.7	262.38	146.55	11.17	6.60	473	
	30	44.7	265.93	147.57	12.95	7.67	546	
10" x 5 3/4" 250 x 145	16	24	253.00	145.00	6.40	5.00	292.80	
10" x 8" 250 x 200	33	49.1	247.00	202.00	11.00	7.40	599.02	
	39	58	252.00	203.00	13.50	8.00	707.60	
	45	67	257.00	204.00	15.70	8.90	817.40	
12" x 4" 304.8 x 101.6	14	20.9	302.00	100.00	5.70	5.10	255	
	16	23.8	304.54	101.34	6.73	5.58	291	
	19	28.3	309.00	102.00	8.90	6.10	346	
	22	32.8	313.00	102.00	10.80	6.60	401	
12" x 6 1/2 304.8 x 165.1	21	31.0	306.00	164.00	7.40	5.00	378	
	26	38.7	310.38	164.84	9.65	5.84	473	
	30	44.7	313.43	165.60	11.17	6.60	546	
	35	52.2	317.50	166.62	13.20	7.62	637	
12" x 8" 304.8 x 203.2	40	59.6	303.00	203.00	13.10	7.50	728	
	45	67.1	306.00	204.00	14.60	8.50	819	
	50	74.5	309.00	205.00	16.30	9.40	909	
12" x 10" 310 x 250	53	79	306.00	254.00	14.60	8.80	963.80	
	58	86	310.00	254.00	16.30	9.10	1049.20	
14" x 5" 360 x 130	22	32.7	349.00	127.00	8.50	5.80	399	
	26	39.0	358.00	128.00	10.70	6.50	475.80	
14" x 6 3/4 355.6 x 171.4	30	44.7	352.00	100.00	10.00	6.90	546	
	34	50.7	356.00	171.00	11.00	7.30	619	
	38	56.6	359.00	171.00	13.00	7.90	691	
14" x 8" 355.6 x 203.2	43	64.1	347.00	203.00	13.40	7.80	783	
	48	71.1	351.00	204.00	15.10	8.60	868	
	53	79.0	354.00	205.00	16.70	9.40	964	
14" x 10" 360 x 250	61	91.0	353.00	254.00	16.40	9.50	1110.20	
	68	101.0	357.00	255.00	18.30	10.50	1232.20	
	74	110.0	360.00	256.00	19.90	11.40	1342.00	
	82	122.0	363.00	257.00	21.70	13.00	1488.40	
14" x 14 1/2" 360 x 370	90	134.0	356.00	369.00	18.00	11.20	1634.80	
	99	147.0	360.00	370.00	19.80	12.30	1793.40	
	109	162.0	364.00	371.00	21.80	13.30	1976.40	
	120	179.0	368.00	373.00	23.90	15.00	2183.80	
	132	196.0	372.00	374.00	26.20	16.40	2391.20	

VIGA (PERFIL " IPR ")

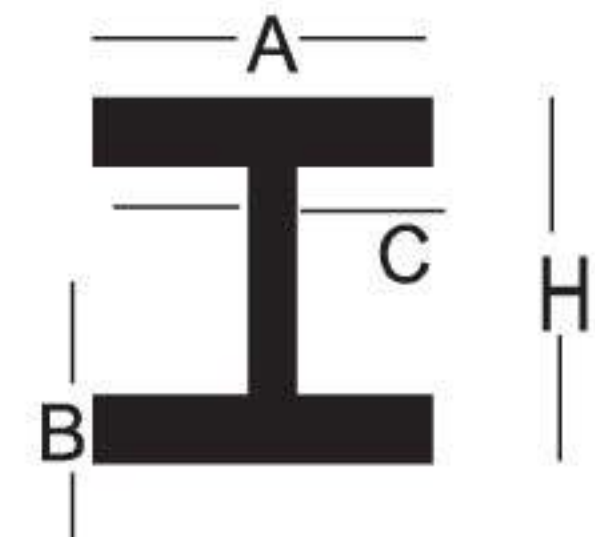
H - Peralte
A - Patin
B - Espesor de Patin
C - Espesor del Alma



PULGADAS MILIMETROS			PERALTE MM	PATIN		ESPESOR ALMA MM	KGS/PZA (12.20 MTS)
	LBS/FT	KGS/MTO		ANCHO (MM)	ESPESOR (MM)		
H X A			H	A	B	C	
14" x 16" 360 x 410	145	216	375.00	394.00	27.70	17.30	2635.20
	159	237	380.00	395.00	30.20	18.90	2891.40
	176	262	387.00	398.00	33.30	21.10	3196.40
	193	287	393.00	399.00	36.60	22.60	3501.40
	211	314	399.00	401.00	39.60	24.90	3830.80
	233	347	407.00	404.00	43.70	27.20	4233.40
14" x 16" 360 x 410	257	382	416.00	406.00	48.00	29.80	4660.40
	283	421	425.00	409.00	52.60	32.80	5136.20
	311	463	435.00	412.00	57.40	35.80	5648.60
	342	509	446.00	416.00	62.70	39.10	6209.80
	370	551	455.00	418.00	67.60	42.00	6722.20
	398	592	465.00	421.00	72.30	45.00	7222.40
	426	634	474.00	424.00	77.10	47.60	7734.80
	455	677	483.00	428.00	81.50	51.20	8259.40
14" x 16" 360 x 410	500	744	498.00	432.00	88.90	55.60	9076.80
	550	818	514.00	437.00	97.00	60.50	9979.60
	605	900	531.00	442.00	106.00	65.90	10980.00
	665	990	550.00	448.00	115.00	71.90	12078.00
	730	1086	569.00	454.00	125.00	78.00	13249.20
16" x 5 1/2" 406.4 x 140	26	38.7	399.00	140.00	8.80	6.40	472
	31	46.1	403.00	140.00	11.20	7.00	562
16" x 7" 406.4 x 177.8	36	53.6	403.00	177.00	10.90	7.60	654
	40	59.6	406.00	178.00	12.70	7.80	728
	45	67.1	409.00	179.00	14.30	8.80	819
	50	74.5	413.00	180.00	15.90	9.60	910
	57	85.0	417.00	180.80	18.20	10.90	1,040
16" x 10 1/4" 410 x 260	67	100	415.00	260.00	16.90	10.00	1220.00
	77	114	420.00	261.00	19.32	11.65	1390.80
	89	132	425.00	263.00	22.20	13.30	1610.40
	100	149	431.00	265.00	25.00	14.90	1817.80
18" x 6" 460 x 150	35	52	450.00	152.00	10.80	7.60	634
	40	60	455.00	153.00	13.30	8.00	732
	46	68	458.00	154.00	15.37	9.14	837

VIGA (PERFIL " IPR ")

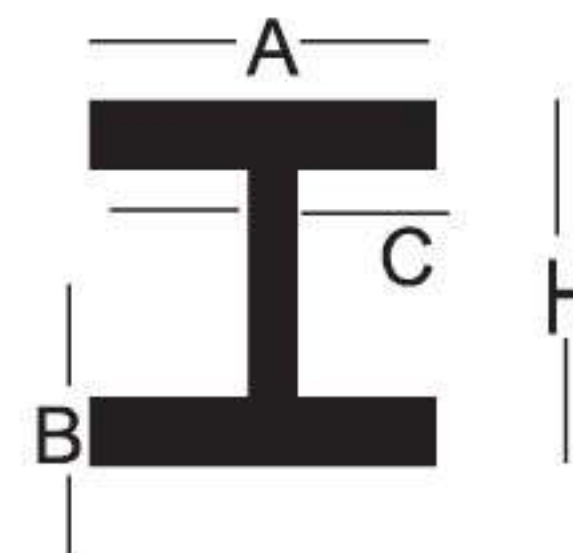
H - Peralte
A - Patin
B - Espesor de Patin
C - Espesor del Alma



PULGADAS			PERALTE	PATIN		ESPESOR	KGS/PZA (12.20 MTS)
MILIMETROS	LBS/FT	KGS/MTO	MM	ANCHO (MM)	ESPESOR (MM)	ALMA MM	
H X A			H	A	B	C	
18" x 7 1/2" 460 x 190	41	61	450.00	189.00	10.80	8.10	744
	45	67	454.00	190.00	12.70	8.50	817
	50	74.5	403.00	190.00	14.50	7.50	909
	55	82.0	460.00	191.00	16.00	9.90	1,010
	60	89.1	463.00	192.00	17.70	10.50	1,099
	65	96.9	466.69	192.78	19.50	11.43	1,183
	71	105.6	469.13	193.92	20.57	12.57	1,289
18" x 11" 460 x 280	76	113	462.53	280.29	17.27	10.79	1,382.00
	86	128	457.10	281.68	19.55	12.19	1,583.00
	97	144	472.18	283.08	22.09	13.58	1,761.00
	106	157	475.40	284.48	23.87	16.00	1,924.00
	119	177	482.00	286.00	26.90	16.60	2159.40
	130	193	489.00	283.00	30.50	17.00	2354.60
	143	213	495.00	285.00	33.50	18.50	2598.60
	191	285	501.00	287.00	36.60	20.60	3477.00
	175	260	509.00	289.00	40.40	22.60	3172.00
21" x 6 1/2" 530 x 165	44	65.5	525	165.00	11.40	8.90	799.00
	50	74.4	529	166.00	13.70	9.70	908.00
	57	85	535	166.00	16.50	10.30	1037.00
21" x 8 1/4" 530 x 210	55	81.8	528	209.00	13.30	9.50	998.00
	62	92.3	533	209.00	15.60	10.20	1126.00
	68	101.2	537	210.00	17.40	10.90	1234.00
	73	109	539	211.00	18.80	11.60	1329.80
	83	123	544	212.00	21.20	13.10	1500.60
	93	138	549	214.00	23.60	14.70	1683.60
21" x 12 1/2" 530 x 315	101	150	543	312.00	20.30	12.70	1830.00
	111	165	546	313.00	22.20	14.00	2013.00
	122	182	551	315.00	24.40	15.20	2220.40
	132	196	554	316.00	26.30	16.50	2391.20
	147	219	560	318.00	29.20	18.30	2671.80
	167	248	571	315.00	34.50	19.00	3025.60
	183	272	577	318.00	37.60	21.10	3318.40
	202	300	585	319.00	41.40	23.10	3660.00

VIGA (PERFIL " IPR ")

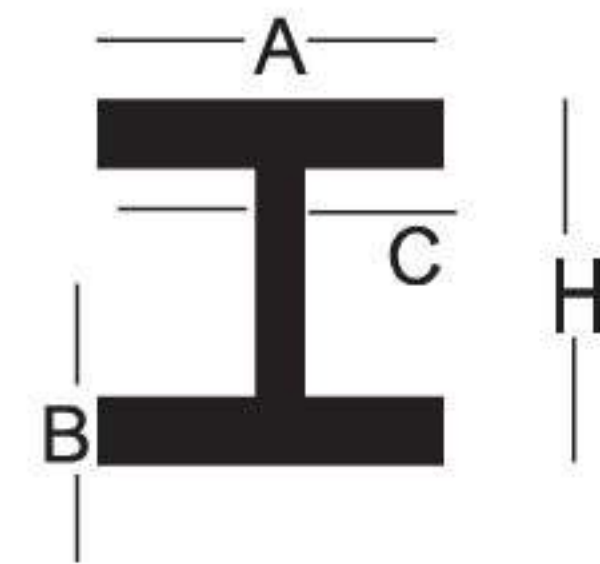
H - Peralte
A - Patin
B - Espesor de Patin
C - Espesor del Alma



PULGADAS MILIMETROS			PERALTE MM	PATIN		ESPESOR ALMA MM	KGS/PZA (12.20 MTS)
	LBS/FT	KGS/MTO		ANCHO (MM)	ESPESOR (MM)		
H X A			H	A	B	C	
24" x 7" 610 x 180	55 62	81.8 92	599 603	178.00 179.00	12.80 15.00	10.00 10.90	998.00 1122.40
24" x 9" 610 x 230	68 76 84 94 103	101 113 125 140 153	603 608 612 617 623	228 228 229 230 229	14.90 17.80 19.60 22.20 24.90	10.50 11.20 11.09 12.10 14.00	1232.2 1378.6 1525.0 1708.0 1866.6
24" x 12 3/4" 610 x 325	104 117 131 146 162 176 191 229 279 306 335 370	155 174 195 217 241 262 285 341 415 455 498 551	611 615 622 628 635 641 647 661 679 689 699 711	324 325 327 328 329 327 329 333 338 340 343 347	19.00 21.60 24.40 27.70 31.00 34.00 37.10 43.90 53.10 57.90 63.00 69.14	12.70 14.00 15.40 16.50 17.10 19.00 20.60 24.40 29.50 32.00 35.10 38.60	1891.0 2122.8 2379.0 2647.4 2940.2 3196.4 3477.0 4160.2 5063.0 5551.0 6075.6 6722.2
27" x 10" 690 x 250	84 94 102 114 129	125 139.9 152 170 192	678.00 684.00 688.00 693.00 702.00	253.00 254.00 254.00 256.00 254.00	16.30 18.90 21.10 23.60 27.90	11.70 12.40 13.10 14.50 15.50	1525.00 1707.00 1854.40 2074.00 2342.40
27" x 14" 658.8 x 355.6	146 161	217 239	695 701	355 356	24.80 27.40	15.40 16.80	217.30 239.60
30" x 10 1/2" 760 x 265	99 108 116 124 132 148	147 161 173 185 196 220	753 758 762 766 770 779	265 266 267 267 268 266	17.00 19.30 21.60 23.60 25.40 30.00	13.20 13.80 14.40 14.90 15.60 16.50	1793.4 1964.2 2110.6 2257.0 2391.2 2684.0

VIGA (PERFIL " IPR ")

H - Peralte
A - Patin
B - Espesor de Patin
C - Espesor del Alma



PULGADAS			PERALTE	PATIN		ESPESOR	KGS/PZA (12.20 MTS)
MILIMETROS	LBS/FT	KGS/MTO	MM	ANCHO (MM)	ESPESOR (MM)	ALMA MM	
H X A			H	A	B	C	
40" x 16" 1000 x 400	199	296	952	400.00	27.10	16.50	3611.20
	216	321	990	400.00	31.00	16.50	3916.20
	249	371	1000	400.00	36.10	19.00	4526.20
	277	412	1008	402.00	40.00	21.10	5026.40
	298	443	1012	402.00	41.90	23.60	5404.60
	325	483	1020	404.00	45.00	25.40	5892.60
	362	539	1030	407.00	51.10	28.40	6575.80
	372	554	1032	408.00	52.00	29.50	6758.80
	397	591	1040	409.00	55.90	31.00	7210.20
	431	642	1048	412.00	60.00	34.00	7832.40
	503	748	1068	417.00	70.00	39.00	9125.60
	593	883	1092	724.00	82.00	45.50	10772.60
44" x 16" 1100 x 400	230	343	1090	400.00	31.00	18.00	4184.60
	262	390	1100	400.00	36.00	20.00	4758.00
	291	433	1109	402.00	40.00	22.00	5282.60
	335	499	1118	405.00	45.00	26.00	6087.80