

PERFIL IPE

ALTURA	ALA	ESPEJOR		KG/MT	ALTURA	ALA	ESPEJOR		KG/MT
		ALMA	ALA				ALMA	ALA	
120	64	4.4	6.3	10.4	300	150	7.1	10.7	42.2
140	73	4.7	6.9	12.9	330	160	7.5	11.5	49.1
160	82	5.0	7.4	15.8	360	170	8.0	12.7	57.1
180	91	5.3	8.0	18.8	400	180	8.6	13.5	66.3
200	100	5.6	8.5	22.4	450	190	9.4	14.6	77.6
220	110	5.9	9.2	26.2	500	200	10.2	16.0	90.7
240	120	6.2	9.8	30.7	550	210	11.1	17.2	106
270	135	6.6	10.2	36.1	600	220	12.0	19.0	122



PERFIL IPN

ALTURA	ALA	ESPEJOR		KG/MT
		ALMA	ALA	
80	42	3.9	5.9	5.95
100	50	4.5	6.8	8.32
120	58	5.1	7.7	11.15
140	66	5.7	8.6	14.37
160	74	6.3	9.5	17.90
180	82	6.9	10.4	21.90
200	90	7.5	11.3	26.30
220	98	8.1	12.2	31.09
240	106	8.7	13.1	36.19
260	113	9.4	14.1	41.92
280	119	10.1	15.2	47.96
300	125	10.8	16.2	54.20
320	131	11.5	17.3	61.10
340	137	12.2	18.3	68.10
360	143	13.0	19.5	76.20
380	149	13.7	20.5	84.00
400	155	14.4	21.6	92.68
450	170	16.2	24.3	115.4
500	185	18.0	27.0	141.3
550	200	19.0	30.0	167.2
600	215	21.6	32.4	199.0

PERFIL UPN

ALTURA	ALA	ESPEJOR		KG/MT
		ALMA	ALA	
40	20	5	5	2.84
50	25	5	6	3.80
50	38	5	7	5.59
60	30	6	6	5.30
65	42	5.5	7.5	7.09
80	45	6	8	8.64
100	50	6	8.5	10.6
120	55	7	9	13.4
140	60	7	10	16.0
160	65	7.5	10.5	18.8
180	70	8	11	22.0
200	75	8.5	11.5	25.3
220	80	9	12.5	29.4
240	85	9.5	13	33.2
260	90	10	14	37.9
280	95	10	15	41.8
300	100	10	16	46.2
320	100	14	17.5	59.5
350	100	14	16	60.6
380	102	13.5	16	63.1
400	110	14	18	71.8

PERFIL HEB

ALTURA	ALA	ESPEJOR		KG/MT
		ALMA	ALA	
100	100	6	10	20.4
120	120	6.5	11	26.7
140	140	7	12	33.7
160	160	8	13	42.6
180	180	8.5	14	51.2
200	200	9	15	61.3
220	220	9.5	16	71.5
240	240	10	17	83.2
260	260	10	17.5	93.0
280	280	10.5	18	103
300	300	11	19	117
320	300	11.5	20.5	127
340	300	12	21.5	134
360	300	12.5	22.5	142
400	300	13.5	24	155
450	300	14	26	171
500	300	14.5	28	187
550	300	15	29	199
600	300	15.5	30	212

PERFIL HEA

PERFIL	H mm	B mm	KG/MT
100	96	100	16,7
120	114	120	19,9
140	133	140	24,7
160	152	160	30,4
180	171	180	35,5
200	190	200	42,3
220	210	220	50,5
240	230	240	60,3
260	250	260	68,2
280	270	280	76,40
300	290	300	88,3
320	310	300	97,6
340	330	300	105
360	350	300	112
400	390	300	125
450	440	300	140
500	490	300	155
550	540	300	166
600	590	300	178

PERFIL W

MM X KG/M	INCH X LB/FT	ALTO	ALA	ESPEJOR	
				ALMA	ALA
W 150 X 13	W 6 X 8.5	148	100	4.3	4.9
W 150 X 13.5	W 6 X 9	150	100	4.3	5.5
W 150 X 18	W 6 X 12	153	102	5.8	7.1
W 150 X 22.5 H	W 6 X 15	152	152	5.8	6.6
W 150 X 24	W 6 X 16	160	102	6.6	10.3
W 150 X 29.8 H	W 6 X 20	157	153	6.6	9.3
W 150 X 37.1 H	W 6 X 25	162	154	8.1	11.6
W 200 X 15	W 8 X 10	200	100	4.3	5.2
W 200 X 19.3	W 8 X 13	203	102	5.8	6.5
W 200 X 22.5	W 8 X 15	206	102	6.2	8
W 200 X 26.6	W 8 X 18	207	133	5.8	8.4
W 200 X 31.3	W 8 X 21	210	134	6.4	10.2
W 200 X 35.9	W 8 X 24	201	165	6.2	10.2
W 200 X 41.7	W 8 X 28	205	166	7.2	11.8
W 200 X 46.1	W 8 X 31	203	203	7.2	11.0
W 200 X 52	W 8 X 35	206	204	7.9	12.6
HP 200 X 53	H 8 X 36	204	207	11.3	11.3
W 200 X 59	W 8 X 40	210	205	9.1	14.2
W 200 X 71	W 8 X 48	216	206	10.2	17.4
W 200 X 86	W 8 X 58	222	209	13.0	20.6
W 200 X 100	W 8 X 67	229	210	14.5	23.7
W 250 X 17.9	W 10 X 12	251	101	4.8	5.3
W 250 X 22.3	W 10 X 15	254	102	5.8	6.9
W 250 X 25.3	W 10 X 17	257	102	6.1	8.4
W 250 X 28.4	W 10 X 19	260	102	6.4	10.0
W 250 X 32.7	W 10 X 22	258	146	6.1	9.1
W 250 X 38.5	W 10 X 26	262	147	6.6	11.2
W 250 X 44.8	W 10 X 30	266	148	7.6	13.0
HP 250 X 62	HP 10 X 42	240	256	10.5	10.7
W 250 X 73	W 10 X 49	253	254	8.6	14.2
W 250 X 80	W 10 X 54	256	255	9.4	15.6
HP 250 X 85	HP 10 X 57	254	260	14.4	14.4
W 250 X 89	W 10 X 60	260	256	10.7	17.3
W 250 X 101	W 10 X 68	264	257	11.9	19.6
W 250 X 115	W 10 X 77	269	259	13.5	22.1
W 250 X 131	W 10 X 88	275	261	15.4	25.1
W 250 X 149	W 10 X 100	282	263	17.3	28.4
W 250 X 167	W 10 X 112	289	265	19.2	31.8
W 310 X 21.0	W 12 X 14	303	101	5.1	5.7

MM X KG/M	INCH X LB/FT	ALTO	ALA	ESPEJOR	
				ALMA	ALA
W 310 X 23.8	W 12 X 16	305	101	5.6	6.7
W 310 X 28.3	W 12 X 19	309	102	6.0	8.9
W 310 X 32.7	W 12 X 22	313	102	6.6	10.8
W 310 X 38.7	W 12 X 26	310	165	5.8	9.7
W 310 X 44.5	W 12 X 30	313	166	6.6	11.2
W 310 X 52.0	W 12 X 35	317	167	7.6	13.2
W 310 X 60	W 12 X 40	303	203	7.5	13.1
W 310 X 67	W 12 X 45	306	204	8.5	14.6
W 310 X 74	W 12 X 40	310	205	9.4	16.3
HP 310 X 79	HP 12 X 53	299	306	11	11
HP 310 X 93	HP 12 X 63	303	308	13.1	13.1
W 310 X 97	W 12 X 65	308	305	9.9	15.4
W 310 X 107	W 12 X 72	311	306	10.9	17.0
W 310 X 110	W 12 X 74	308	310	15.4	15.5
W 310 X 117	W 12 X 73	314	307	11.9	18.7
HP 310 X 125	W 12 X 79	312	312	17.4	17.4
W 310 X 129	W 12 X 80	318	308	13.1	20.6
HP 310 X 132	W 12 X 81	314	313	18.3	18.3
W 310 X 143	W 12 X 82	323	309	14	22.9
W 310 X 158	W 12 X 83	327	310	15.5	25.1
W 310 X 179	W 12 X 84	333	313	18	28.1
W 310 X 202	W 12 X 85	341	315	20.1	31.8
W 360 X 32.9	W 14 X 22	349	127	5.8	8.5
W 360 X 39.0	W 14 X 26	353	128	6.5	10.7
W 360 X 44.0	W 14 X 30	352	171	6.9	9.8
W 360 X 51.0	W 14 X 34	355	171	7.2	11.6
W 360 X 57.8	W 14 X 38	358	172	7.9	13.1
W 360 X 64.0	W 14 X 43	347	203	7.7	13.5
W 360 X 72.0	W 14 X 48	350	204	8.6	15.1
W 360 X 79.0	W 14 X 53	354	205	9.4	16.8
W 360 X 91	W 14 X 61	353	254	9.5	16.4
W 360 X 101	W 14 X 68	357	255	10.5	18.3
W 360 X 110	W 14 X 74	360	256	11.4	19.9
W 360 X 122	W 14 X 82	363	257	13.0	21.7
W 410 X 38.8	W 16 X 26	399	140	6.4	8.8
W 410 X 46.1	W 16 X 31	403	140	7.0	11.2
W 410 X 53.0	W 16 X 36	403	177	7.5	10.9
W 410 X 60.0	W 16 X 40	407	178	7.7	12.8
W 410 X 67.0	W 16 X 45	410	179	8.8	14.4

MM X KG/M	INCH X LB/FT	ALTO	ALA	ESPEJOR	
				ALMA	ALA
W 410 X 75.0	W 16 X 50	413	180	9.7	16.0
W 410 X 85.0	W 16 X 57	417	181	10.9	18.2
W 460 X 52.0	W 18 X 35	450	152	7.6	10.8
W 460 X 60.0	W 18 X 40	455	153	8.0	13.3
W 460 X 68.0	W 18 X 46	459	154	9.1	15.4
W 460 X 74.0	W 18 X 50	457	190	9.0	14.5
W 460 X 82.0	W 18 X 55	460	191	9.9	16.0
W 460 X 89.0	W 18 X 60	463	192	10.5	17.7
W 460 X 97.0	W 18 X 65	466	193	11.4	19.0
W 460 X 106	W 18 X 71	469	194	12.6	20.6
W 530 X 66.0	W 21 X 44	525	165	8.9	11.4
W 530 X 72.0	W 21 X 48	524	207	9.0	10.9
W 530 X 74.0	W 21 X 50	529	166	9.7	13.6
W 530 X 82.0	W 21 X 55	528	209	9.5	13.3
W 530 X 85.0	W 21 X 57	535	166	10.3	16.5
W 530 X 92.0	W 21 X 62	533	209	10.2	15.6
W 530 X 101	W 21 X 68	537	210	10.9	17.4
W 530 X 109	W 21 X 73	539	211	11.6	18.8
W 530 X 123	W 21 X 83	544	211	13.1	21.2
W 530 X 138	W 21 X 93	549	212	14.7	23.8
W 610 X 82	W 24 X 55	599	178	10	12.8
W 610 X 92	W 24 X 62	603	179	10.9	15.
W 610 X 101	W 24 X 68	603	228	10.5	14.9
W 610 X 113	W 24 X 76	608	228	11.2	17.3
W 610 X 125	W 24 X 84	612			