

PLACA PLANCHÓN

ESPESOR		PESO TEÓRICO			PESO APROXIMADO POR HOJA				
PULGADAS	mm.	kg/m2	kg/pie2	5' x 20'	6' x 20'	7' x 20'	8' x 20'	10' x 20'	
3/16"	0.188	4.78	37.84	3.52	352	422	492	562	703
1/4"	0.250	6.35	50.38	4.68	468	562	655	749	936
5/16"	0.313	7.95	62.93	5.85	585	702	818	935	1,169
3/8"	0.375	9.53	75.57	7.02	702	842	983	1,123	1,404
7/16"	0.438	11.13	88.10	8.18	818	982	1,146	1,310	1,637
1/2"	0.500	12.70	100.77	9.36	936	1,123	1,311	1,498	1,872
9/16"	0.563	14.30	113.27	10.52	1,052	1,263	1,473	1,684	2,105
5/8"	0.625	15.88	125.96	11.70	1,170	1,404	1,638	1,872	2,340
11/16	0.688	17.48	138.44	12.86	1,286	1,543	1,801	2,058	2,572
3/4"	0.750	19.05	151.15	14.04	1,404	1,685	1,966	2,247	2,808
7/8"	0.875	22.23	176.34	16.38	1,638	1,966	2,294	2,621	3,276
1"	1.000	25.40	201.53	18.72	1,872	2,247	2,621	2,996	3,745
1 1/8"	1.125	28.58	226.72	21.06	2,106	2,528	2,949	3,370	4,213
1 1/4"	1.250	31.75	251.92	23.40	2,340	2,808	3,277	3,745	4,681
1 3/8"	1.375	34.93	277.11	25.74	2,574	3,089	3,604	4,119	5,149
1 1/2"	1.500	38.10	302.30	28.08	2,808	3,370	3,932	4,493	5,617
1 5/8"	1.625	41.28	327.49	30.42	3,042	3,651	4,259	4,868	6,085
1 3/4"	1.750	44.45	352.68	32.76	3,276	3,932	4,587	5,242	6,553
2"	2.000	50.80	403.07	37.45	3,745	4,494	5,242	5,991	7,489
2 1/4"	2.250	57.15	453.45	42.13	4,213	5,055	5,898	6,740	8,425
2 1/2"	2.500	63.50	503.83	46.81	4,681	5,617	6,553	7,489	9,361
3"	3.000	76.20	604.60	56.17	5,617	6,740	7,864	8,987	11,234

PLACA COMERCIAL A-36

PESO DE PLACA (KG.)

PULG.	MIL.	MM.	3'X6'	3'X8'	3'X10'	4' X 8'	4' X10'	5'X10'	5'X15'	5'X20'	6' X10'	6'X20'	KG./M2
3/16	.188	4.8	62 kg.	83 kg.	104 kg.	111 kg.	139 kg.	173 kg.	260 kg.	347 kg.	208 kg.	416 kg.	37,35 kg.
1/4	.250	6.4	83 kg.	111 kg.	139 kg.	148 kg.	185 kg.	231 kg.	347 kg.	463 kg.	278 kg.	555 kg.	49,79 kg.
5/16	.313	7.9	104 kg.	139 kg.	173 kg.	186 kg.	231 kg.	289 kg.	434 kg.	579 kg.	347 kg.	694 kg.	62,24 kg.
3/8	.375	9.5	125 kg.	167 kg.	208 kg.	222 kg.	278 kg.	347 kg.	520 kg.	694 kg.	416 kg.	833 kg.	74,89 kg.
7/16	.438	11.1	146 kg.	194 kg.	243 kg.	259 kg.	324 kg.	405 kg.	607 kg.	810 kg.	486 kg.	971 kg.	87,14 kg.
1/2	.500	12.7	167 kg.	222 kg.	278 kg.	269 kg.	375 kg.	370 kg.	694 kg.	925 kg.	555 kg.	1.110 kg.	99,59 kg.
5/8	.625	15.9	208 kg.	278 kg.	347 kg.	370 kg.	463 kg.	578 kg.	867 kg.	1,157 kg.	694 kg.	1.388 kg.	124,48 kg.
3/4	.750	19.1	250 kg.	333 kg.	416 kg.	444 kg.	555 kg.	694 kg.	1.041 kg.	1.388 kg.	833 kg.	1.665 kg.	19,38 kg.
7/8	.875	22.2	291 kg.	389 kg.	486 kg.	518 kg.	648 kg.	810 kg.	1.214 kg.	1.619 kg.	971 kg.	1.943 kg.	174,28 kg.
1	1.000	25.4	333 kg.	444 kg.	555 kg.	592 kg.	740 kg.	925 kg.	1.388 kg.	1.850 kg.	1.110 kg.	2.220 kg.	199,18 kg.

PESO POR HOJA DE LAMINA NEGRA

ROLADA EN CALIENTE

CAL.	PULG.	MM.	3'X6'	3'X8'	3'X10'	4'X8'	4'X'10'	KG./M.2
3	0.239	6.07	6.07	106.22	132.78	141.63	177.04	47.61
4	0.224	5.69	5.69	99.55	124.44	132.74	165.92	44.62
5	0.209	5.31	5.31	92.89	116.11	123.85	154.81	41.63
6	0.194	4.93	4.93	86.22	107.78	114.96	143.70	38.65
7	0.179	4.55	4.55	79.56	99.44	106.07	132.59	35.66
8	0.164	4.18	4.18	73.07	91.33	97.42	121.78	32.75
9	0.150	3.80	3.80	66.44	83.06	88.59	110.74	29.78
10	0.135	3.42	3.42	59.78	74.72	79.70	99.63	26.79
1/8	0.125	3.18	3.18	55.56	69.44	74.70	92.59	24.90
11	0.120	3.04	3.04	53.16	66.44	70.87	88.59	23.82
12	0.105	2.66	2.66	46.49	58.11	61.98	77.48	20.84
13	0.090	2.28	2.28	39.87	49.83	53.16	66.44	17.87
14	0.075	1.90	1.90	33.20	41.50	44.27	55.33	14.88
15	0.067	1.71	1.71	29.91	37.39	39.88	49.85	13.41
16	0.060	1.52	1.52	26.58	33.22	35.44	44.30	11.91
17	0.054	1.37	1.37	23.91	29.89	31.88	39.85	10.72
18	0.048	1.21	1.21	21.24	26.56	28.33	35.41	9.52

PESO POR HOJA DE LÁMINA Y PLACA ANTIDERRAPANTE TIPO DIAMANTE

CAL.	PULG.	MM.	3'X6'	3'X8'	3'X10'	4'X8'	4'X'10'
1/4	0,250	6,35	91 kg.	122 kg.	153 kg.	163 kg.	204 kg.
3/16	0,187	4,75	71 kg.	94 kg.	118 kg.	126 kg.	158 kg.
10	0,134	3,40	55 kg.	74 kg.	92 kg.	98 kg.	123 kg.
1/8	0,125	3,18	50 kg.	67 kg.	83 kg.	89 kg.	111 kg.
11	0,119	3,02	48 kg.	64 kg.	80 kg.	86 kg.	107 kg.
12	0,104	2,64	42 kg.	57 kg.	71 kg.	76 kg.	95 kg.
13	0,089	2,26	36 kg.	48 kg.	61 kg.	65 kg.	81 kg.
14	0,074	1,88	30 kg.	40 kg.	51 kg.	54 kg.	68 kg.

PESO POR HOJA DE LAMINA NEGRA ROLADA EN CALIENTE

CAL.	PULG.	MM.	3'X6'	3'X8'	3'X10'	4'X8'	4'X'10'	KG./M.2
3	0.239	6.07	6.07	106.22	132.78	141.63	177.04	47.61
4	0.224	5.69	5.69	99.55	124.44	132.74	165.92	44.62
5	0.209	5.31	5.31	92.89	116.11	123.85	154.81	41.63
6	0.194	4.93	4.93	86.22	107.78	114.96	143.70	38.65
7	0.179	4.55	4.55	79.56	99.44	106.07	132.59	35.66
8	0.164	4.18	4.18	73.07	91.33	97.42	121.78	32.75
9	0.150	3.80	3.80	66.44	83.06	88.59	110.74	29.78
10	0.135	3.42	3.42	59.78	74.72	79.70	99.63	26.79
1/8	0.125	3.18	3.18	55.56	69.44	74.70	92.59	24.90
11	0.120	3.04	3.04	53.16	66.44	70.87	88.59	23.82
12	0.105	2.66	2.66	46.49	58.11	61.98	77.48	20.84
13	0.090	2.28	2.28	39.87	49.83	53.16	66.44	17.87
14	0.075	1.90	1.90	33.20	41.50	44.27	55.33	14.88
15	0.067	1.71	1.71	29.91	37.39	39.88	49.85	13.41
16	0.060	1.52	1.52	26.58	33.22	35.44	44.30	11.91
17	0.054	1.37	1.37	23.91	29.89	31.88	39.85	10.72
18	0.048	1.21	1.21	21.24	26.56	28.33	35.41	9.52

PESO POR HOJA DE LÁMINA NEGRA ROLADA EN FRÍO

CAL.	PULG.	MM.	3'X6'	3'X8'	3'X10'	4'X8'	4'X'10'	KG./M.2
10	0,135	3,42	44,83	59,78	74,72	79,70	99,63	26,79
1/8	0,125	3,18	41,67	55,56	69,44	74,07	92,59	24,90
11	0,120	3,04	39,87	53,16	66,44	70,87	88,59	23,82
12	0,105	2,66	34,87	46,49	58,11	61,98	77,48	20,84
13	0,090	2,28	29,90	39,87	49,83	53,16	66,44	17,87
14	0,075	1,90	24,90	33,20	41,50	44,27	55,33	14,88
15	0,067	1,71	22,43	29,91	37,39	39,88	49,85	13,41
16	0,060	1,52	19,93	26,58	33,22	35,44	44,30	11,91
17	0,054	1,37	17,93	23,91	29,89	31,88	39,85	10,72
18	0,048	1,21	15,93	21,24	26,56	28,33	35,41	9,52
19	0,042	1,06	13,93	18,58	23,22	24,77	30,96	8,33
20	0,036	0,91	11,97	15,96	19,94	21,27	26,59	7,15
21	0,033	0,84	10,97	14,62	18,28	19,50	24,37	6,55
22	0,030	0,76	9,97	13,29	16,61	17,72	22,15	5,96
23	0,027	0,68	8,97	11,96	14,94	15,94	19,93	5,36
24	0,024	0,61	7,97	10,62	13,28	14,16	19,93	4,76
25	0,021	0,53	6,97	9,20	11,61	12,39	15,48	4,16
26	0,018	0,45	5,97	7,96	9,94	10,61	13,26	3,57
27	0,016	0,42	5,47	7,29	9,11	9,72	12,15	3,27
28	0,015	0,38	4,97	6,62	8,28	8,83	11,04	2,97
29	0,014	0,34	4,50	6,00	7,50	8,00	10,00	2,69
30	0,012	0,30	4,00	5,33	6,67	7,11	8,89	2,39
31	0,011	0,27	3,50	4,67	5,83	6,22	7,78	2,00
32	0,0097	0,25	3,23	4,31	5,39	5,75	7,19	1,93
33	0,0090	0,23	3,00	4,00	5,00	5,33	6,67	1,79
34	0,0082	0,21	2,73	3,64	4,56	4,86	6,07	1,63

VIGA IPS

EN LARGOS DE 6.10 Y 12.20 METROS EN ACERO DUAL A572 °50/A-36

PERALTE		PESO		ANCHO DEL PATIN		ESPELOR DEL ALMA	
PULGADA	mm.	kg./m	lb./ft	PULGADA	mm.	PULGADA	mm.
3	76.2	8.48	5.7	2.33	59	0.17	4
4	101.6	11.46	7.7	2.66	68	0.19	5
5	127.0	14.88	10.0	3.00	76	0.21	5
6	152.4	18.60	12.5	3.33	85	0.23	6
8	203.2	27.38	18.4	4.00	102	0.27	7

VIGA - IPR

EN LARGOS DE 12.20 METROS DE LONGITUD EN ACERO GRADO A-992 , A-36 Y A572º50

DIMENSIONES		PESO		PERALTE		ANCHO DEL PATIN		ESPESOR DEL PATIN		ESPESOR DEL ALMA	
PULGADA	mm.	kg./m	lb./ft	PULGADA	mm.	PULGADA	mm.	PULGADA	mm.	PULGADA	mm.
4" x 4"	101.6 x 101.6	19.3	13	4.16	106	4.06	103	0.35	8.9	0.28	7.1
6" x 4"	152.4 x 101.6	12.7	8.5	5.83	148	3.94	100	0.19	4.8	0.17	4.3
		13.4	9	5.90	150	3.94	100	0.22	5.6	0.17	4.3
		17.9	12	6.03	153	4.00	102	0.28	7.1	0.23	5.8
		23.8	16	6.28	160	4.03	102	0.41	10.4	0.26	6.6
6" x 6"	152.4 x 152.4	22.3	15	5.99	152	5.99	152	0.26	6.6	0.23	5.8
		29.8	20	6.20	157	6.02	153	0.37	9.4	0.26	6.6
		37.2	25	6.38	162	6.08	154	0.46	11.7	0.32	8.1
8" x 4"	203.2 x 101.6	14.9	10	7.89	200	3.94	100	0.21	5.3	0.17	4.3
		19.3	13	7.99	203	4.00	102	0.26	6.6	0.23	5.8
		22.3	15	8.11	206	4.02	102	0.32	8.1	0.25	6.3
8" x 5 1/4"	203.2 x 133.3	26.8	18	8.14	207	5.25	133	0.33	8.4	0.23	5.8
		31.3	21	8.28	210	5.27	134	0.40	10.2	0.25	6.3
8" x 6 1/2"	203.2 x 165.1	35.7	24	7.93	201	6.50	165	0.40	10.2	0.25	6.3
		41.7	28	8.06	205	6.54	166	0.47	11.9	0.29	7.4
8" x 8"	203.2 x 203.2	46.1	31	8.00	203	8.00	203	0.44	11.2	0.29	7.4
		52.1	35	8.12	206	8.02	204	0.50	12.7	0.31	7.9
		59.5	40	8.25	210	8.07	205	0.56	14.2	0.36	9.1
		71.4	48	8.50	216	8.11	206	0.69	17.5	0.40	10.2
10" x 4"	254.0 x 101.6	17.9	12	9.87	251	3.96	101	0.21	5.3	0.19	4.8
		22.3	15	9.99	254	4.00	102	0.27	6.9	0.23	5.8
		25.3	17	10.11	257	4.01	102	0.33	8.4	0.24	6.1
		28.3	19	10.24	260	4.02	102	0.40	10.2	0.25	6.3
10" x 5 3/4"	254.0 x 146.0	32.7	22	10.17	258	5.75	146	0.36	9.1	0.24	6.1
		38.7	26	10.33	262	5.77	147	0.44	11.2	0.26	6.6
		44.6	30	10.47	266	5.81	148	0.51	13.0	0.30	7.6
10" x 8"	254.0 x 203.2	49.1	33	9.73	247	7.96	202	0.44	11.2	0.29	7.4
		58.0	39	9.92	252	7.99	203	0.53	13.5	0.32	8.1
		67.0	45	10.10	257	8.02	204	0.62	15.7	0.35	8.9
10" x 10"	254.0 x 254.0	72.9	49	9.98	253	10.00	254	0.56	14.2	0.34	8.6
		80.4	54	10.09	256	10.03	255	0.62	15.7	0.37	9.4
		101.2	68	10.40	264	10.13	257	0.77	19.6	0.47	11.9
12" x 4"	304.8 x 101.6	20.8	14	11.91	303	3.97	101	0.23	5.8	0.20	5.1
		23.8	16	11.99	305	3.99	101	0.27	6.9	0.22	5.6
		28.3	19	12.16	309	4.01	102	0.35	8.9	0.24	6.1
		32.7	22	12.31	313	4.03	102	0.43	10.9	0.26	6.6
12" x 6 1/2"	304.8 x 165.1	38.7	26	12.22	310	6.49	165	0.38	9.7	0.23	5.8
		44.6	30	12.34	313	6.52	166	0.44	11.2	0.26	6.6
		52.1	35	12.50	317	6.56	167	0.52	13.2	0.30	7.6
12" x 8"	304.8 x 203.2	59.5	40	11.94	303	8.01	203	0.52	13.2	0.30	7.6
		67.0	45	12.06	306	8.05	204	0.58	14.7	0.34	8.6
		74.4	50	12.19	310	8.08	205	0.64	16.3	0.37	9.4
12" x 10"	304.8 x 254.0	78.9	53	12.06	306	10.00	254	0.58	14.7	0.35	8.9
		86.3	58	12.19	310	10.01	254	0.64	16.3	0.36	9.1
12" x 12"	304.8 x 304.8	96.7	65	12.12	308	12.00	305	0.61	15.5	0.39	9.9
		107.1	72	12.25	311	12.04	306	0.67	17.0	0.43	10.9
		117.6	79	12.38	314	12.08	307	0.74	18.8	0.47	11.9
		142.9	96	12.71	323	12.16	309	0.90	22.9	0.55	14.0
14" x 5"	355.6 x 127.0	32.7	22	13.74	349	5.00	127	0.34	8.6	0.23	5.8
		38.7	26	13.91	353	5.03	128	0.42	10.7	0.26	6.6
14" x 6 3/4"	355.6 x 171.4	44.6	30	13.84	352	6.73	171	0.39	9.9	0.27	6.9
		50.6	34	13.98	355	6.75	171	0.46	11.7	0.29	7.4
		56.5	38	14.10	358	6.77	172	0.52	13.2	0.31	7.9
14" x 8"	355.6 x 203.2	64.0	43	13.66	347	8.00	203	0.53	13.5	0.31	7.9
		71.4	48	13.79	350	8.03	204	0.60	15.2	0.34	8.6
		78.9	53	13.92	354	8.06	205	0.66	16.8	0.37	9.4
14" x 10"	355.6 x 254.0	90.8	61	13.89	353	10.00	254	0.65	16.5	0.38	9.7
		101.2	68	14.04	357	10.04	255	0.72	18.3	0.42	10.7
		110.1	74	14.17	360	10.07	256	0.79	20.1	0.45	11.4
		122.0	82	14.31	363	10.13	257	0.86	21.8	0.51	13.0

VIGA - IPR

EN LARGOS DE 12.20 METROS DE LONGITUD EN ACERO GRADO A-992 , A-36 Y A572°50

DIMENSIONES		PESO		PERALTE		ANCHO DEL PATIN		ESPESOR DEL PATIN		ESPESOR DEL ALMA	
PULGADA	mm.	kg./m	lb./ft	PULGADA	mm.	PULGADA	mm.	PULGADA	mm.	PULGADA	mm.
14" x 14 1/2"	355.6 x 368.3	133.9	90	14.02	356	14.52	369	0.71	18.0	0.44	11.2
		147.3	99	14.16	360	14.57	370	0.78	19.8	0.49	12.4
		162.2	109	14.32	364	14.61	371	0.86	21.8	0.53	13.5
		178.6	120	14.48	368	14.67	373	0.94	23.9	0.59	15.0
		196.4	132	14.66	372	14.73	374	1.03	26.2	0.65	16.5
14" x 16"	355.6 x 406.4	215.8	145	14.78	375	15.50	394	1.09	27.7	0.68	17.3
		236.6	159	14.98	380	15.57	395	1.19	30.2	0.75	19.0
		261.9	176	15.22	387	15.65	398	1.31	33.3	0.83	21.1
		287.2	193	15.48	393	15.71	399	1.44	36.6	0.89	22.6
16" x 5 1/2"	406.4 x 139.7	38.7	26	15.69	399	5.50	140	0.35	8.9	0.25	6.3
		46.1	31	15.88	403	5.53	140	0.44	11.2	0.28	7.1
16" x 7"	406.4 x 177.8	53.6	36	15.86	403	6.99	178	0.43	10.9	0.30	7.6
		59.5	40	16.01	407	7.00	178	0.51	13.0	0.31	7.9
		67.0	45	16.13	410	7.04	179	0.57	14.5	0.35	8.9
		74.4	50	16.26	413	7.07	180	0.63	16.0	0.38	9.7
		84.8	57	16.43	417	7.12	181	0.72	18.3	0.43	10.9
16" x 10 1/4"	406.4 x 260.3	99.7	67	16.33	415	10.24	260	0.67	17.0	0.40	10.2
		114.6	77	16.52	420	10.30	262	0.76	19.3	0.46	11.7
18" x 6"	457.2 x 152.4	52.1	35	17.70	450	6.00	152	0.43	10.9	0.30	7.6
		59.5	40	17.90	455	6.02	153	0.53	13.5	0.32	8.1
		68.4	46	18.06	459	6.06	154	0.61	15.5	0.36	9.1
18" x 7 1/2"	457.2 x 190.5	74.4	50	17.99	457	7.50	190	0.57	14.5	0.36	9.1
		81.8	55	18.11	460	7.53	191	0.63	16.0	0.39	9.9
		89.3	60	18.24	463	7.56	192	0.70	17.8	0.42	10.7
		96.7	65	18.35	466	7.59	193	0.75	19.0	0.45	11.4
		105.6	71	18.47	469	7.64	194	0.81	20.6	0.50	12.7
18" x 11"	457.2 x 279.4	113.1	76	18.21	463	11.04	280	0.68	17.3	0.43	10.9
		128.0	86	18.39	467	11.09	282	0.77	19.6	0.48	12.2
		144.3	97	18.59	472	11.15	283	0.87	22.1	0.54	13.7
		157.7	106	18.73	476	11.20	284	0.94	23.9	0.59	15.0
		177.1	119	18.97	482	11.27	286	1.06	26.9	0.66	16.8
21" x 6 1/2"	533.4 x 165.1	65.5	44	20.66	525	6.50	165	0.45	11.4	0.35	8.9
		74.4	50	20.83	529	6.53	166	0.54	13.7	0.38	9.7
21" x 8 1/4"	533.4 x 209.5	92.3	62	20.99	533	8.24	209	0.62	15.7	0.40	10.2
		101.2	68	21.13	537	8.27	210	0.69	17.5	0.43	10.9
		123.5	83	21.43	544	8.36	212	0.84	21.3	0.52	13.2
21" x 12 1/4"	533.4 x 311.1	150.3	101	21.36	543	12.29	312	0.80	20.3	0.50	12.7
		165.2	111	21.51	546	12.34	313	0.88	22.4	0.55	14.0
		181.5	122	21.68	551	12.39	315	0.96	24.4	0.60	15.2
24" x 7"	609.6 x 177.8	81.8	55	23.57	599	7.01	178	0.51	13.0	0.40	10.2
		92.3	62	23.74	603	7.04	179	0.59	15.0	0.43	10.9
24" x 9"	609.6 x 228.6	101.2	68	23.73	603	8.97	228	0.59	15.0	0.42	10.7
		113.1	76	23.92	608	8.99	228	0.68	17.3	0.44	11.2
		125.0	84	24.10	612	9.02	229	0.77	19.6	0.47	11.9
		139.9	94	24.31	617	9.07	230	0.88	22.4	0.52	13.2
24" x 12 3/4"	609.6 x 323.8	154.8	104	24.06	611	12.75	324	0.75	19.0	0.50	12.7
		174.1	117	24.26	616	12.80	325	0.85	21.6	0.55	14.0
		194.9	131	24.48	622	12.86	327	0.96	24.4	0.61	15.5
		217.3	146	24.74	628	12.90	328	1.09	27.7	0.65	16.5
27" x 10"	685.8 x 254.0	125.0	84	26.71	678	9.96	253	0.64	16.3	0.46	11.7
		139.9	94	26.92	684	9.99	254	0.75	19.0	0.49	12.4
		151.8	102	27.09	688	10.02	255	0.83	21.1	0.52	13.2
27" x 14"	685.8 x 355.6	217.3	146	27.38	695	13.97	355	0.98	24.9	0.61	15.5
		239.6	161	27.59	701	14.02	356	1.08	27.4	0.66	16.8
30" x 10 1/2"	762.0 x 266.7	133.9	90	29.53	750	10.40	264	0.61	15.5	0.47	11.9
		147.3	99	29.65	753	10.45	265	0.67	17.0	0.52	13.2
		160.7	108	29.83	758	10.48	266	0.76	19.3	0.55	14.0
33" x 11 1/2"	838.2 x 292.1	175.6	118	32.86	835	11.48	292	0.74	18.8	0.55	14.0
		193.4	130	33.09	840	11.51	292	0.86	21.8	0.58	14.7

CANALES

EN LARGOS DE 6.10 Y 12.20 METROS EN ACERO DUAL A572 °50/A-36

PERFIL		PESO		ANCHO DEL PATIN		ESPESOR DEL PATIN		ESPESOR DEL ALMA	
PULGADA	mm.	kg/m	lb./ft	PULGADA	mm.	PULGADA	mm.	PULGADA	mm.
3	76.2	5.20	3.50	1.41	36	0.254	6.5	0.125	3.2
		6.10	4.10	1.41	36	0.273	6.9	0.170	4.3
4	101.6	6.70	4.50	1.58	40	0.220	5.6	0.174	4.4
		8.04	5.40	1.58	40	0.296	7.5	0.184	4.7
5	127.0	9.97	6.70	1.75	44	0.320	8.1	0.190	4.8
6	152.4	12.20	8.20	1.92	49	0.343	8.7	0.200	5.1
		15.63	10.50	2.03	52	0.343	8.7	0.314	8.0
		19.35	13.00	2.16	55	0.343	8.7	0.437	11.1
8	203.2	17.11	11.50	2.26	57	0.390	9.9	0.220	5.6
		20.46	13.75	2.34	60	0.390	9.9	0.303	7.7
		27.90	18.75	2.53	64	0.390	9.9	0.487	12.4
10	254.0	22.76	15.30	2.60	66	0.436	11.1	0.240	6.1
		29.76	20.00	2.74	70	0.436	11.1	0.379	9.6
		37.20	25.00	2.89	73	0.436	11.1	0.526	13.4
		44.64	30.00	3.03	77	0.436	11.1	0.673	17.1
12	304.8	30.80	20.70	2.94	75	0.501	12.7	0.282	7.2
		37.20	25.00	3.05	77	0.501	12.7	0.387	9.8
		44.64	30.00	3.17	81	0.501	12.7	0.510	13.0
15	381.0	50.40	33.90	3.40	86	0.650	16.5	0.400	10.2
		59.53	40.00	3.52	89	0.650	16.5	0.520	13.2

ÁNGULOS DE LADOS DESIGUALES

ÁNGULOS A 6.10 mts. (20 pies) EN ACERO A-529 °50

ÁNGULOS A 12.20 mts. (40 pies) EN ACERO A-529 °50

ESPESOR		ANCHO		PESO	ESPESOR		ANCHO		PESO
PULGADAS	MILIMETROS	PULGADAS	MILIMETROS	Kg./m	PULGADAS	MILIMETROS	PULGADAS	MILIMETROS	Kg./m
3/16	4.8	3 x 2	76.2 X 50.8	4.57	1/4	6.3	4 x 3	101.6 x 76.2	8.63
1/4	6.3	3 x 2	76.2 X 50.8	6.10	3/8	9.5	4 x 3	101.6 x 76.2	12.65
3/8	9.5	6 x 4	152.4 x 101.6	18.30			6 x 4	152.4 x 101.6	36.60
1/2	12.7	6 x 4	152.4 x 101.6	24.11	1/2	12.7	6 x 4	152.4 x 101.6	48.22

ANGULOS DE LADOS IGUALES

ÁNGULOS A 6.10 mts. (20 pies) EN ACERO A-36 ó A-529 °50

ÁNGULOS A 12.20 mts. (40 pies) EN ACERO A-572 ó A-529 °50

ESPEJOR		ANCHO		PESO		ESPEJOR		ANCHO		PESO			
PULGADAS	MILIMETROS	PULGADAS	MILIMETROS	Kg./m	Kgs/Pz.	PULGADAS	MILIMETROS	PULGADAS	MILIMETROS	Kg./m	Kgs/Pz.		
0.109	2.8	1	25.4	1.05	6.41	0.109	2.8	1	25.4	1.05	12.81		
		1 1/4	31.7	1.33	8.11			1 1/4	31.7	1.33	16.23		
		1 1/2	38.1	1.61	9.82			1 1/2	38.1	1.61	19.64		
1/8	3.2	3/4	19.0	0.88	5.37	1/8	3.2	1 1/2	38.1	1.83	22.33		
		1	25.4	1.19	7.26			2	50.8	2.46	30.01		
		1 1/4	31.7	1.50	9.15	3/16	4.8	1 3/4	44.4	3.15	38.43		
		1 1/2	38.1	1.83	11.16			2	50.8	3.63	44.29		
		2	50.8	2.46	15.01			2 1/2	63.5	4.57	55.75		
3/16	4.8	1	25.4	1.73	10.55	3/16	4.8	3	76.2	5.52	67.34		
		1 1/4	31.7	2.20	13.42			2	50.8	4.75	57.95		
		1 1/2	38.1	2.68	16.35	1/4	6.3	2 1/2	63.5	6.10	74.42		
		1 3/4	44.4	3.15	19.22			3	76.2	7.29	88.94		
		2	50.8	3.63	22.14			3 1/2	88.9	8.63	105.29		
		2 1/2	63.5	4.57	27.88			4	101.6	9.82	119.80		
		3	76.2	5.52	33.67			5/16	7.9	3	76.2	9.08	110.78
1	25.4	2.22	13.54	3 1/2	88.9	10.71	130.66						
1/4	6.3	1 1/4	31.7	2.86	17.45	1/4	6.3	4	101.6	12.20	148.84		
		1 1/2	38.1	3.48	21.23			5	127.0	15.32	186.90		
		2	50.8	4.75	28.98			3/8	9.5	3	76.2	10.71	130.66
		2 1/2	63.5	6.10	37.21	3 1/2	88.9			12.64	154.20		
		3	76.2	7.29	44.47	4	101.6			14.58	177.88		
		4	101.6	9.82	59.90	5	127.0			18.30	223.26		
		5/16	7.9	3	76.2	9.08	55.39	5/16	7.9	6	152.4	22.17	270.47
4	101.6			12.20	74.42	1/2	12.7			3	76.2	13.99	170.68
3/8	9.5	2	50.8	6.99	42.64			3/8	9.5	4	101.6	19.05	232.41
		2 1/2	63.5	8.78	53.56	5	127.0			24.11	294.14		
		3	76.2	10.71	65.33	6	152.4			29.16	355.75		
		4	101.6	14.58	88.94	8	203.2			39.28	479.22		
		5	127.0	18.30	111.63	5/8	15.9			4	101.6	23.36	284.99
		6	152.4	22.17	135.24					6	152.4	36.01	439.32
1/2	12.7	3	76.2	13.99	85.34	1/2	12.7	8	203.2	48.66	593.65		
		4	101.6	19.05	116.21			3/4	19.0	6	152.4	42.71	521.06
		6	152.4	29.16	177.88					8	203.2	57.88	706.14
						7/8	22.2	8	203.2	66.96	816.91		
						1	25.4	6	152.4	55.65	678.93		
								8	203.2	75.89	925.86		
						1 1/8	28.6	8	203.2	84.67	1032.97		

SOLERAS

SOLERAS A 6.10 mts. (20 pies) EN ACERO A-36

SOLERAS A 6.10 mts. (20 pies) EN ACERO A-36

SOLERAS A 12.20 mts. (40 pies) EN ACERO A-529 °55

SOLERAS A 6.10 mts. (20 pies) EN ACERO A-36				SOLERAS A 6.10 mts. (20 pies) EN ACERO A-36				SOLERAS A 12.20 mts. (40 pies) EN ACERO A-529 °55				
DIMENSIONES		PESO		DIMENSIONES		PESO		DIMENSIONES		PESO		
PULGADAS	MILIMETROS	Kg./m		PULGADAS	MILIMETROS	Kg./m		PULGADAS	MILIMETROS	Kg./m		
1/8	1/2	12.7	0.32	1/2	1	25.4	2.53	3/8	6	9.5	152.4	152.4
	3/4	19.0	0.47		1 1/2	38.1	3.79		8	12.7	203.2	203.2
	1	25.4	0.63		2	50.8	5.06		10	12.7	254.0	254.0
	1 1/4	31.7	0.79		2 1/2	63.5	6.32	12	12.7	304.8	304.8	
	1 1/2	38.1	0.95		3	76.2	7.59	1/2	6	12.7	152.4	152.4
	2	50.8	1.27		4	101.6	10.13		8	12.7	203.2	203.2
3/16	1/2	12.7	0.47	5	127.0	12.66	10		12.7	254.0	254.0	
	3/4	19.0	0.71	6	152.4	15.18	12	12.7	304.8	304.8		
	1	25.4	0.95	8	203.2	20.27	5/8	6	15.9	152.4	152.4	
	1 1/4	31.7	1.19	10	254.0	25.33		8	15.9	203.2	203.2	
	1 1/2	38.1	1.42	12	304.8	30.36		10	15.9	254.0	254.0	
	2	50.8	1.90	5/8	3	76.2	9.49	3/4	12	19.0	304.8	304.8
1/4	1	25.4	1.27		4	101.6	12.66		8	19.0	203.2	203.2
	1 1/4	31.7	1.58		5	127.0	15.83		10	19.0	254.0	254.0
	1 1/2	38.1	1.90		6	152.4	18.99	12	19.0	304.8	304.8	
	2	50.8	2.53		8	203.2	25.33	1	8	25.4	203.2	203.2
	2 1/2	63.5	3.17		10	254.0	31.66		10	25.4	254.0	254.0
	3	76.2	3.79	12	304.8	37.97	12		25.4	304.8	304.8	
4	101.6	5.06	3/4	2	50.8	7.59	3/8	9.5	1	25.4	304.8	22.80
5	127.0	6.32		2 1/2	63.5	9.49						
6	152.4	7.59		3	76.2	11.40						
8	203.2	10.13		4	101.6	15.18						
10	254.0	12.66		5	127.0	18.99						
12	304.8	15.18		6	152.4	22.80						
3/8	1	25.4	1.90	8	203.2	30.36	1	25.4	1	25.4	304.8	22.80
	1 1/4	31.7	2.38	10	254.0	37.97						
	1 1/2	38.1	2.84	12	304.8	45.59						
	2	50.8	3.79	2	50.8	10.13						
	2 1/2	63.5	4.75	3	76.2	15.18						
	3	76.2	5.70	4	101.6	20.27						
4	101.6	7.59	6	152.4	30.36							
5	127.0	9.49	8	203.2	40.53							
6	152.4	11.40	10	254.0	50.65							
8	203.2	15.18	12	304.8	60.71							

CUADRADO

SE MANEJA EN ACERO A-36

PULGADA	mm.	Kg./m	Kg/Pza.
3/8	9.5	.71	4.3
.47	12	1.20	7.3
1/2	12.7	1.27	7.7
5/8	15.9	1.98	12.1
3/4	19	2.85	17.4
1	25.4	5.06	30.9
1 1/2	38.1	11.39	69.5
2	50.8	20.25	123.5

REDONDO

SE MANEJA EN ACERO A-36

PULGADA	mm.	Kg./m	Kg/Pza.
3/8	9.53	0.56	3.4
1/2	12.70	0.99	6.0
5/8	15.88	1.55	9.5
3/4	19.05	2.24	13.7
7/8	22.23	3.04	18.5
1	25.40	3.97	24.3
1 1/8	28.58	5.03	30.7
1 1/4	31.75	6.21	37.9
1 1/2	38.10	8.94	54.6
1 3/4	44.45	12.19	74.3
2	50.80	15.92	97.1
2 1/2	63.50	24.87	151.6

PERFIL (HSS) ESTRUCTURAL

EN LARGOS DE 6.10 y 12.2 METROS A-500°B LIMITE ELASTICO 46,000 PSI (lb/in2)

DIMENSIONES EXTERIORES		ESPESOR		PESO
PULGADA	mm.	PULGADA	mm.	Kg/m
4" x 4"	102 x 102	.375	9.5	25.74
6" x 6"	152 x 152	.187	4.7	21.72
		.250	6.3	28.30
		.312	7.9	34.75
		.375	9.5	40.98
		.500	12.7	52.46
8" x 4"	203 x 102	.187	4.7	21.64
		.250	6.3	28.36
		.375	9.5	40.98
		.500	12.7	52.45
8" x 6"	203 x 152	.250	6.4	33.44
		.375	9.5	48.52
8" x 8"	203 x 203	.187	4.7	28.18
		.250	6.3	38.52
		.312	7.9	47.38
		.375	9.5	56.07
		.500	12.7	72.79
10" x 10"	254 x 254	.187	4.7	36.89
		.250	6.3	48.52
		.312	7.9	60.16
		.375	9.5	71.31
		.500	12.7	92.95
12" x 6"	305 x 152	.375	9.5	63.77
12" x 8"	305 x 203	.375	9.5	71.31
		.500	12.7	92.95
12" x 12"	305 x 305	.250	6.3	58.69
		.312	7.9	72.79
		.375	9.5	86.56
		.500	12.7	113.28
		.625	15.9	138.80
14" x 14"	356 x 356	.375	9.5	101.64
		.500	12.7	133.44
		.625	15.9	163.77
16" x 16"	406 x 406	.375	9.5	116.89
		.500	12.7	153.77
		.625	15.9	189.50

PERFIL (HSS) ESTRUCTURAL

EN LARGOS DE 6.10 y 12.2 METROS

A-500°B LIMITE ELASTICO 46,000 PSI (lb/in2)

DIMENSIONES EXTERIORES		ESPESOR		PESO
PULGADA	mm.	PULGADA	mm.	Kg/m
4" x 4"	102 x 102	.375	9.5	25.74
6" x 6"	152 x 152	.187	4.7	21.72
		.250	6.3	28.30
		.312	7.9	34.75
		.375	9.5	40.98
		.500	12.7	52.46
8" x 4"	203 x 102	.187	4.7	21.64
		.250	6.3	28.36
		.375	9.5	40.98
		.500	12.7	52.45
8" x 6"	203 x 152	.250	6.4	33.44
		.375	9.5	48.52
8" x 8"	203 x 203	.187	4.7	28.18
		.250	6.3	38.52
		.312	7.9	47.38
		.375	9.5	56.07
		.500	12.7	72.79
10" x 10"	254 x 254	.187	4.7	36.89
		.250	6.3	48.52
		.312	7.9	60.16
		.375	9.5	71.31
		.500	12.7	92.95
12" x 6"	305 x 152	.375	9.5	63.77
12" x 8"	305 x 203	.375	9.5	71.31
		.500	12.7	92.95
12" x 12"	305 x 305	.250	6.3	58.69
		.312	7.9	72.79
		.375	9.5	86.56
		.500	12.7	113.28
		.625	15.9	138.80
14" x 14"	356 x 356	.375	9.5	101.64
		.500	12.7	133.44
		.625	15.9	163.77
16" x 16"	406 x 406	.375	9.5	116.89
		.500	12.7	153.77
		.625	15.9	189.50

PERFIL (PTR) ESTRUCTURAL

EN LARGOS DE 6.10 METROS EN ACERO COMERCIAL

DIMENSIONES EXTERIORES		ESPESOR		COLOR DE IDENTIFICACIÓN	PESO
PULGADA	mm.	PULGADA	mm.		Kg/m
3/4" x 3/4"	19 x 19	0.048	1.2	C18	0.70
1" x 1"	25 x 25	0.048	1.2	C18	0.95
		0.075	1.9	C14	1.33
		0.105	2.7	Verde	1.76
		0.135	3.4	Rojo	2.13
1 1/4" x 1 1/4"	32 x 32	0.048	1.2	C18	1.22
		0.075	1.9	C14	1.71
1 1/2" x 1 1/2"	38 x 38	0.048	1.2	C18	1.47
		0.075	1.9	C14	2.09
		0.105	2.7	Blanco	2.82
		0.120	3.0	Verde	3.17
		0.150	3.8	Rojo	3.81
2" x 1"	51 x 25	0.075	1.9	C14	2.09
2" x 2"	51 x 51	0.048	1.2	C18	1.96
		0.075	1.9	C14	2.85
		0.105	2.7	Blanco	3.89
		0.120	3.0	Verde	4.38
		0.150	3.8	Rojo	5.33
2 1/2" x 2 1/2"	64 x 64	0.120	3.0	Blanco	5.60
		0.135	3.4	Verde	6.23
		0.180	4.6	Rojo	8.00
3" x 1 1/2"	76 x 38	0.075	1.9	C14	3.23
3" x 2"	76 x 51	0.120	3.0	Blanco	5.60
		0.135	3.4	Verde	6.23
		0.180	4.6	Rojo	8.00
		0.250	6.3	1/4	13.11
3" x 3"	76 x 76	0.120	3.0	Blanco	6.81
		0.150	3.8	Verde	8.37
		0.180	4.6	Rojo	9.81
		0.250	6.3	1/4	13.11
3 1/2" x 3 1/2"	89 x 89	0.120	3.0	Blanco	8.03
		0.150	3.8	Verde	9.89
		0.180	4.6	Rojo	11.62
		0.250	6.3	1/4	15.64
4" x 1 1/2"	102 x 38	0.075	1.9	C14	3.99
4" x 2"	102 x 51	0.120	3.0	Blanco	6.81
		0.150	3.8	Verde	8.37
		0.180	4.6	Rojo	9.81
4" x 3"	102 x 76	0.120	3.0	Blanco	8.03
		0.150	3.8	Verde	9.89
		0.180	4.6	Rojo	11.62
		0.250	6.3	1/4	15.64
4" x 4"	102 x 102	0.120	3.0	Blanco	9.24
		0.180	4.6	Rojo	13.44
		0.250	6.3	1/4	18.18
5" x 5"	127 x 127	0.180	4.6	Rojo	17.06
		0.250	6.3	1/4	23.24
6" x 4"	152 x 102	0.120	3.0	Blanco	11.68
		0.180	4.6	Rojo	17.06
		0.250	6.3	1/4	23.24

TUBO ESTRUCTURAL

* LONGITUDES DE 6.00 m. - 6.40 m.

**LONGITUD DE 12.80 m.

DIÁMETRO NOMINAL		DIÁMETRO EXTERIOR		DIÁMETRO INTERIOR		ESPESOR		PESO
PULGADA	mm.	PULGADA	mm.	PULGADA	mm.	PULGADA	mm.	Kg./m
6*	152.40	6.625	168.28	6.065	154.05	0.250	6.35	25.41
8*	203.20	8.625	219.08	8.125	206.38	0.250	6.35	35.57
8*	203.20	8.625	219.08	7.981	202.72	0.322	8.18	42.55
10**	254.00	10.750	273.05	10.250	260.35	0.250	6.35	41.88
10**	254.00	10.750	273.05	10.000	254.00	0.375	9.53	62.03
12**	304.80	12.750	323.85	12.250	311.15	0.250	6.35	49.84
12**	304.80	12.750	323.85	12.000	304.80	0.375	9.53	73.91
14**	355.60	14.000	355.60	13.250	336.55	0.375	9.53	81.41

TUBO CED. 30

EN ACERO NEGRO COMERCIAL

DIÁMETRO NOMINAL		DIÁMETRO EXTERIOR		DIÁMETRO INTERIOR		ESPESOR		PESO
PULGADA	mm.	PULGADA	mm.	PULGADA	mm.	PULGADA	mm.	Kg./m
3/4	19.05	1.050	26.67	0.900	22.86	0.075	1.91	1.13
1	25.40	1.315	33.40	1.165	29.59	0.075	1.91	1.50
1 1/4	31.75	1.660	42.16	1.480	37.59	0.090	2.29	2.35
1 1/2	38.10	1.900	48.26	1.720	43.69	0.090	2.29	2.70
2	50.80	2.375	60.33	2.165	54.99	0.105	2.67	3.95

TUBO CED. 40

EN ACERO NEGRO COMERCIAL

DIÁMETRO NOMINAL		DIÁMETRO EXTERIOR		DIÁMETRO INTERIOR		ESPESOR		PESO
PULGADA	mm.	PULGADA	mm.	PULGADA	mm.	PULGADA	mm.	Kg./m
1	25.40	1.315	33.40	1.049	26.64	0.133	3.38	2.50
1 1/4	31.75	1.660	42.16	1.380	35.05	0.140	3.56	3.39
1 1/2	38.10	1.900	48.26	1.610	40.89	0.145	3.68	4.05
2	50.80	2.375	60.33	2.067	52.50	0.154	3.91	5.44
2 1/2	63.50	2.875	73.03	2.469	62.71	0.203	5.16	8.63
3	76.20	3.500	88.90	3.068	77.93	0.216	5.49	11.29
4	101.60	4.500	114.30	4.026	102.26	0.237	6.02	16.07

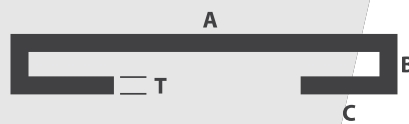


POLÍN

SE MANEJA EN ACERO COMERCIAL

PERFIL	DIMENSIONES	Kg./m	LARGO (m)
3 Cal 14	3" x 1 1/2"	2.40	6
4 Cal 14	4" x 2"	3.18	6
5 Cal 14	5" x 2"	3.55	6
6 Cal 14	6" x 2"	3.92	6
6 Cal 12	6" x 2"	5.58	6
8 Cal 14	8" x 2 3/4"	5.19	8
8 Cal 12	8" x 2 3/4"	7.39	8
8 Cal 10	8" x 2 3/4"	9.46	8
10 Cal 14	10" x 2 3/4"	5.98	10
10 Cal 12	10" x 2 3/4"	8.46	10
10 Cal 10	10" x 2 3/4"	10.83	10
12 Cal 14	12" x 3 1/2"	7.57	12
12 Cal 12	12" x 3 1/2"	10.55	12
12 Cal 10	12" x 3 1/2"	13.50	12

POLIN DE 3" A 15" EN ACERO COMERCIAL Y DE ALTA RESISTENCIA



A = PERALTE
B = PATIN
C = CEJA
T = ESPESOR

PERFIL	ESPEJOR	PERALTE	PATÍN	CEJA	PESO	PZAS. X PAQ.
15MT14	0,075	15"	3.5"	0.875"	8,8 kg.	16
15MT12	0,104	15"	3.5"	0.875"	12,3 kg.	16
15MT10	0,134	15"	3.5"	0.875"	15,8 kg.	16
12MT14	0,075	12"	12"	0.875"	7,4 kg.	24
12MT12	0,104	12"	3.5"	0.875"	10,4 kg.	24
12MT10	0,134	12"	3.5"	0.875"	13,4 kg.	24
10MT14	0,075	10"	3.5"	0.875"	6,6 kg.	24
10MT12	0,104	10"	3.5"	0.875"	9,3 kg.	24
10MT10	0,134	10"	3.5"	0.875"	12 kg.	24
8MT14	0,075	8"	3.5"	0.875"	5,9 kg.	48
8MT12	0,104	8"	3.5"	0.875"	8,2 kg.	48
8MT10	0,134	8"	3.5"	0.875"	10,6 kg.	48
6MT14	0,075	6"	2.5"	0.750"	4,3 kg.	80
6MT12	0,104	6"	2.5"	0.750"	6,1 kg.	80
6MT16	0,059	6"	2.0"	0.750"	3,3 kg.	100
6MT14	0,075	6"	2.0"	0.750"	4,2 kg.	100
6MT12	0,104	6"	2.0"	0.750"	5,7 kg.	100
5MT16	0,059	5"	2.0"	0.750"	3,1 kg.	100
5MT14	0,075	5"	2.0"	0.750"	3,8 kg.	100
5MT12	0,104	5"	2.0"	0.750"	5,2 kg.	100
4MT16	0,059	4"	2.0"	0.750"	2,7 kg.	100
4MT14	0,075	4"	2.0"	0.750"	3,3 kg.	100
4MT12	0,104	4"	2.0"	0.750"	4,5 kg.	100
3MT16	0,059	3"	1.5"	0.750"	2 kg.	100
3MT14	0,075	3"	1.5"	0.750"	2,5 kg.	100
3MT12	0,104	3"	1.5"	0.750"	3,4 kg.	100

