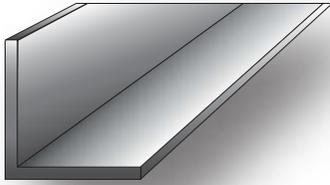


## Angulos de Fierro

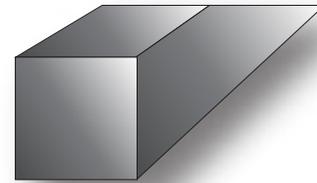


Medida		Peso	
Pulgadas	Milímetros	Kg/m	Kg/6m
1/8 x 3/4	3.2 x 19.1	0.880	5.28
1/8 x 1"	3.2 x 25.4	1.190	7.14
1/8 x 1 1/4	3.2 x 31.7	1.500	9.00
1/8 x 1 1/2	3.2 x 38.1	1.830	10.98
1/8 x 2"	3.2 x 50.8	2.460	14.76
3/16 x 1 "	4.8 x 25.4	1.730	10.38
3/16 x 1 1/4	4.8 x 31.7	2.200	13.20
3/16 x 1 1/2	4.8 x 38.1	2.680	16.08
3/16 x 2"	4.8 x 50.8	3.630	21.78
3/16 x 2 1/2	4.8 x 63.5	4.600	27.60
3/16 x 3"	4.8 x 76.2	5.970	35.82
1/4 x 1 "	6.3 x 25.4	2.220	13.32
1/4 x 1 1/4	6.3 x 31.7	2.860	17.16
1/4 x 1 1/2	6.3 x 38.1	3.490	20.94
1/4 x 2"	6.3 x 50.8	4.750	28.50
1/4 x 2 1/2	6.3 x 63.5	6.100	36.60
1/4 x 3"	6.3 x 76.2	7.290	43.74
1/4 x 3 1/2"	6.3 x 88.9	8.630	51.78
1/4 x 4"	6.3 x 101.6	9.820	58.92
5/16 x 2"	7.9 x 50.8	5.840	35.04
5/16 x 2 1/2"	7.9 x 63.5	7.440	44.64
5/16 x 3"	7.9 x 76.2	9.080	54.48
5/16 x 4"	7.9 x 101.6	12.200	73.20
3/8 x 2"	9.5 x 50.8	6.990	41.94
3/8 x 2 1/2	9.5 x 63.5	8.790	52.74
3/8 x 3"	9.5 x 76.2	10.720	64.32
3/8 x 4"	9.5 x 101.6	14.600	87.60
3/8 x 6"	9.5 x 152.4	22.170	133.02
1/2" x 3"	12.7 x 76.2	13.990	83.94
1/2" x 4"	12.7 x 101.6	19.000	114.00
1/2" x 6"	12.7 x 152.4	29.170	175.02
5/8 x 6"	15.9 x 152.4	36.010	216.06
3/4 x 6"	19.1 x 152.4	42.710	256.26

## Angulos Desiguales

Medida		Peso	
Pulgadas	Milímetros	Kg/m	Kg/6m
4 x 6	101.6 x 152.4		
3/8	9.5	18.300	109.80
1/2	12.7	24.110	144.66
5/8	15.9	29.760	178.56
3/4	19.1	35.120	211.00

## Cuadrados de Fierro y Caramelo



Medida		Peso	
Pulgadas	Milímetros	Kg/m	Kg/6m
3/8	9.5	0.712	4.27
1/2	12.7	1.266	7.60
5/8	15.9	1.978	11.87
3/4	19.1	2.849	17.09
1	25.4	5.065	30.39
1 1/4	31.7	7.913	47.48
1 1/2	38.1	11.395	68.37
2	50.8	20.258	121.55
2 1/2	63.5	31.653	189.92

## Zeta

1/8 x 5/8 x 1	3.2 x 25.4	1.210	7.26
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## Tee

1/8 x 3/4	3.2 x 19.1	0.910	5.46
1/8 x 1	3.2 x 25.4	1.320	7.92

# Soleras de Fierro

Medida		Pesos	
Pulgadas	Milímetros	Kg/m	Kg/6m
1/8 x 1/2	3.2 x 12.7	0.317	1.90
1/8 x 5/8	3.2 x 15.9	0.396	2.38
1/8 x 3/4	3.2 x 19.1	0.474	2.84
1/8 x 1"	3.2 x 25.4	0.633	3.80
1/8 x 1 1/4	3.2 x 31.7	0.791	4.75
1/8 x 1 1/2	3.2 x 38.1	0.950	5.70
1/8 x 2"	3.2 x 50.8	1.266	7.60
1/8 x 2 1/2	3.2 x 63.5	1.600	9.6
1/8 x 3"	3.2 x 76.2	1.900	11.40
3/16 x 1/2	4.8 x 12.7	0.474	2.84
3/16 x 5/8	4.8 x 15.9	0.593	3.56
3/16 x 3/4	4.8 x 19.1	0.712	4.27
3/16 x 1 "	4.8 x 25.4	0.950	5.70
3/16 x 1 1/4	4.8 x 31.7	1.187	7.00
3/16 x 1 1/2	4.8 x 38.1	1.424	8.54
3/16 x 2"	4.8 x 50.8	1.899	11.39
3/16 x 2 1/2	4.8 x 63.5	2.374	14.24
3/16 x 3"	4.8 x 76.2	2.849	17.09
1/4 x 1/2	6.3 x 12.7	0.633	3.80
1/4 x 5/8	6.3 x 15.9	0.791	4.75
1/4 x 3/4	6.3 x 19.1	0.950	5.70
1/4 x 1 "	6.3 x 25.4	1.266	7.60
1/4 x 1 1/4	6.3 x 31.7	1.583	9.50
1/4 x 1 1/2	6.3 x 38.1	1.899	11.39
1/4 x 2"	6.3 x 50.8	2.532	15.19
1/4 x 2 1/2	6.3 x 63.5	3.165	18.99
1/4 x 3"	6.3 x 76.2	3.798	22.79
1/4 x 4"	6.3 x 101.6	5.064	30.38
1/4 x 5"	6.3 x 127.0	6.330	37.98
1/4 x 6"	6.3 x 152.4	7.596	46.00
1/4 x 8"	6.3 x 203.2	10.128	61.00
5/16 x 1	7.9 x 25.4	1.583	9.50
5/16 x 1 1/4	7.9 x 31.7	1.978	11.87
5/16 x 1 1/2	7.9 x 38.1	2.374	14.24
5/16 x 2"	7.9 x 50.8	3.165	19.00
5/16 x 2 1/2"	7.9 x 63.5	3.957	23.74
5/16 x 3"	7.9 x 76.2	4.748	28.49
5/16 x 4"	7.9 x 101.6	6.331	37.99
5/16 x 5"	7.9 x 127.0	7.914	47.48
5/16 x 6"	7.9 x 152.4	9.496	56.98
3/8 x 1"	9.5 x 25.4	1.899	11.39
3/8 x 1 1/4	9.5 x 31.7	2.374	14.24
3/8 x 1 1/2	9.5 x 38.1	2.849	17.09
3/8 x 2"	9.5 x 50.8	3.798	22.79
3/8 x 2 1/2	9.5 x 63.5	4.748	28.49
3/8 x 3"	9.5 x 76.2	5.698	34.19
3/8 x 4"	9.5 x 101.6	7.597	45.58
3/8 x 5"	9.5 x 127.0	9.496	56.98
3/8 x 6"	9.5 x 152.4	11.396	68.38
3/8 x 8"	9.5 x 203.2	15.280	92.00

Medida		Pesos	
Pulgadas	Milímetros	Kg/m	Kg/6m
1/2 x 1"	12.7 x 25.4	2.532	15.19
1/2 x 1 1/4	12.7 x 31.7	3.165	18.99
1/2 x 1 1/2	12.7 x 38.1	3.798	22.79
1/2 x 2"	12.7 x 50.8	5.064	30.38
1/2 x 2 1/2	12.7 x 63.5	6.331	37.99
1/2 x 3"	12.7 x 76.2	7.597	45.58
1/2 x 4"	12.7 x 101.6	10.129	60.77
1/2 x 5"	12.7 x 127.0	12.662	75.97
1/2 x 6"	12.7 x 152.4	15.194	91.16
1/2 x 8"	12.7 x 203.2	20.260	121.56
5/8 x 1	15.9 x 25.4	3.165	18.99
5/8 x 1 1/4	15.9 x 31.7	3.957	23.74
5/8 x 1 1/2	15.9 x 38.1	4.748	28.49
5/8 x 2"	15.9 x 50.8	6.331	37.99
5/8 x 2 1/2	15.9 x 63.5	7.913	47.48
5/8 x 3"	15.9 x 76.2	9.496	56.98
5/8 x 4"	15.9 x 101.6	12.661	75.97
5/8 x 5"	15.9 x 127.0	15.826	94.96
5/8 x 6"	15.9 x 152.4	18.992	113.95
3/4 x 1 1/2	19.1 x 38.1	5.698	34.19
3/4 x 2"	19.1 x 50.8	7.597	45.58
3/4 x 2 1/2	19.1 x 63.5	9.496	56.98
3/4 x 3"	19.1 x 76.2	11.395	68.37
3/4 x 4"	19.1 x 101.6	15.194	91.16
3/4 x 5"	19.1 x 127.0	18.992	113.95
3/4 x 6"	19.1 x 152.4	22.790	136.74
3/4 x 8"	19.1 x 203.2	30.388	182.33
1 " x 2"	25.4 x 50.8	10.129	60.77
1 " x 2 1/2	25.4 x 63.5	12.661	75.97
1" x 3"	25.4 x 76.2	15.194	91.16
1" x 4"	25.4 x 101.6	20.258	121.55
1" x 5"	25.4 x 127.0	25.322	151.93
1" x 6"	25.4 x 152.4	30.388	182.33
1" x 8"	25.4 x 203.2	40.516	243.10

## Solera Pasamano

Kg. x mts.	Kg. x 6 mts.
1.900	11.40

## Redondos de Fierro

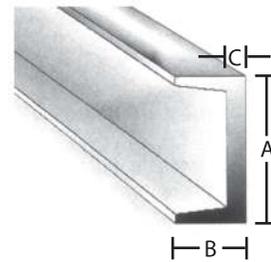


Medida		Pesos	
Pulgadas	Milímetros	Kg/m	Kg x 6/m
3/8	9.5	0.559	3.35
1/2	12.7	0.994	5.96
5/8	15.9	1.552	9.31
3/4	19.1	2.235	13.41
7/8	22.2	3.045	18.27
1	25.4	3.973	23.84
1 1/8	28.6	5.022	30.13
1 1/4	31.7	6.208	37.25
1 3/8	34.9	7.514	45.08
1 1/2	38.1	9.000	54.00
1 5/8	41.3	10.490	62.94
1 3/4	44.4	12.170	73.02
2	50.8	15.890	95.34
2 1/4	57.1	20.110	120.66
2 1/2	63.5	24.830	148.98
3	76.2	35.766	214.60

## Semiflecha Redondo Pulido

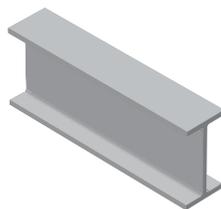
Diámetro General		Peso	
mm.	Pulg.	Kg./m	kg./pza.
12.7	1/2	0.994	5.960
11.1	7/16	0.770	4.600
9.5	3/8	0.599	3.590
7.9	5/16	0.388	2.330
6.3	1/4	0.249	1.490
4.7	3/16	0.146	0.880

## Canal U CPS



La Canal "U" viene en tramos de 6.10 y 12.20 mts.

## Viga IPS Tipo americano



PERALTE d		PESO	AREA	PESO Kg.
mm	pulg.	Kg/m	cm <sup>2</sup>	6.10m.
76.2	3	8.48	10.52	51.73
101.6	4	11.72	14.26	71.50
127.0	5	15.08	18.52	92.00
152.4	6	18.60	23.29	113.46
203.2	8	27.38	34.39	167.02

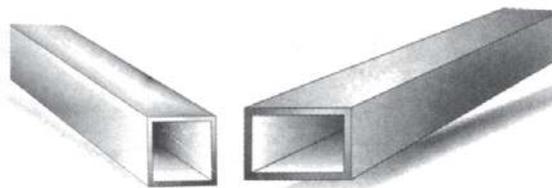
## PROPIEDADES DE CANAL "U"

PERALTE		PATIN		ALMA	PESO	
mm. (A)	Pulg. (A)	Ancho mm. (B)	Espesor mm. (B)		mm. (C)	Kg/m.
76.2	3	35.8	7	4	6.10	37.21
101.6	4	40.1	8	5	8.04	49.04
152.4	6	48.8	9	5	12.20	74.42
152.4	6	52.0	9	8	15.63	95.34
152.4	6	55.0	9	11	19.35	118.04
203.2	8	57.9	10	6	17.11	104.37
203.2	8	60.0	10	8	20.46	124.81
203.2	8	64.0	10	12	27.90	170.19
254.0	10	66.0	11	6	22.80	139.08
254.0	10	70.0	11	10	29.80	181.78
254.0	10	73.0	11	13	37.20	226.92
254.0	10	73.0	11	17	44.70	272.67
304.8	12	75.0	13	7	30.80	187.88
304.8	12	77.0	13	10	37.20	226.92
304.8	12	81.0	13	13	44.64	272.30

Dimensiones		Peso		Peralte		Ancho del patín		Espesor del patín		Espesor del alma	
Pulg.	mm.	Kg/mt	Lbs/ft	Pulg.	mm.	Pulg.	mm.	Pulg.	mm.	Pulg.	mm.
6" x 4"	152.4 x 101.6	12.7	8.5	5.83	148	3.94	100	0.19	4.9	0.17	4.3
		13.4	9	5.90	150	3.94	100	0.22	5.5	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	10.3	0.26	6.6
6" x 6"	152.4 x 152.4	22.5	15	5.99	152	5.99	152	0.26	6.6	0.23	5.8
		29.7	20	6.20	157	6.02	153	0.37	9.3	0.26	6.6
		37.1	25	6.38	162	6.08	154	0.46	11.6	0.32	8.1
8" x 4"	203.2 x 101.6	14.9	10	7.89	200	3.94	100	0.21	5.2	0.17	4.3
		19.4	13	7.99	203	4.00	102	0.26	6.5	0.23	5.8
		22.5	15	8.11	206	4.02	102	0.32	8.0	0.25	6.2
8" x 5 1/4"	203.2 x 133.4	26.9	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	6.4
8" x 6 1/2"	203.2 x 165.1	35.9	24	7.93	201	6.50	165	0.40	10.2	0.25	6.4
		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	11.0	0.29	7.4
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
		22.4	15	9.99	254	4.00	102	0.27	6.9	0.23	5.8
		25.5	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	10.0	0.25	6.4
10" x 5 3/4"	254.0 x 146.0	32.8	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
		44.7	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	11.0	0.29	7.4
		58.0	39	9.92	252	7.96	203	0.53	13.5	0.32	8.0
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
12" x 4"	304.8 x 101.6	20.9	14	11.91	303	3.97	101	0.23	5.7	0.20	5.1
		23.8	16	11.99	305	3.99	101	0.27	6.9	0.22	5.1
		28.3	19	12.16	309	4.01	102	0.35	8.9	0.24	6.0
		32.8	22	12.31	313	4.03	102	0.43	10.8	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
		44.7	30	12.34	313	6.52	166	0.44	11.2	0.26	6.6
		52.2	35	12.50	317	6.56	167	0.52	13.2	0.30	7.6
12" x 8"	304.8 x 203.2	59.6	40	11.94	303	8.01	203	0.52	13.1	0.30	7.6
		67.1	45	12.06	306	8.05	204	0.58	14.6	0.34	8.5
		74.5	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	14.6	0.35	8.8
		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	15.4	0.39	9.9
14" x 5"	355.6 x 127	32.7	22	13.74	349	5.00	127	0.34	8.5	0.23	5.8
		38.7	26	13.91	353	5.03	128	0.42	10.7	0.26	6.5
14" x 6 3/4"	355.6 x 171.4	44.7	30	13.84	352	6.73	171	0.39	9.8	0.27	6.9
		50.7	34	13.98	355	6.75	171	0.46	11.6	0.29	7.2
		56.6	38	14.10	358	6.77	172	0.52	13.1	0.31	7.9
14" x 8"	355.6 x 203.2	64.1	43	13.66	347	8.00	203	0.53	13.5	0.31	7.7
		71.5	48	13.79	350	8.03	204	0.60	15.1	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	91.0	61	13.89	353	10.00	254	0.65	16.4	0.38	9.5
		101.2	68	14.04	357	10.04	255	0.72	18.3	0.42	10.5
		110.1	74	14.17	360	10.07	256	0.79	19.9	0.45	11.4
		122.0	82	14.31	363	10.13	257	0.86	21.7	0.51	13.0

Dimensiones		Peso		Peralte		Ancho del patín		Espesor del patín		Espesor del alma	
Pulg.	mm.	Kg/mt	Lbs/ft	Pulg.	mm.	Pulg.	mm.	Pulg.	mm.	Pulg.	mm.
14" x 14 1/2"	355.6 x 355.6	133.9	90	14.02	356	14.52	369	0.71	18.0	0.44	11.2
		147.0	99	14.16	360	14.57	370	0.78	19.8	0.49	12.3
		162.0	109	14.32	364	14.61	371	0.86	21.8	0.53	13.3
		178.5	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	16.4
14" x 16"	355.6 x 406.4	215.8	145	14.78	375	15.50	394	1.09	27.2	0.68	17.3
16" x 5 1/2"	406.4 x 140	38.7	26	15.69	399	5.50	140	0.35	8.8	0.25	6.4
		46.1	31	15.88	403	5.53	140	0.44	11.2	0.28	7.0
16" x 7"	406.4x 177.8	53.6	36	15.86	403	6.99	177	0.43	10.9	0.30	7.5
		59.6	40	16.01	407	7.00	178	0.51	12.8	0.31	7.7
		67.1	45	16.13	410	7.04	179	0.57	14.4	0.35	8.8
		74.5	50	16.26	413	7.07	180	0.63	16.0	0.38	9.7
16" x 10 1/4	406.4x 254.0	99.7	67	16.33	415	10.24	260	0.67	16.9	0.40	10.0
18" x 6"	457.2 x 152	52.1	35	17.70	450	6.00	152	0.43	10.9	0.30	7.6
		59.0	40	18.00	457	6.00	152	0.53	13.3	0.32	8.0
		68.4	46	18.06	459	6.06	154	0.61	15.4	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	9.0
		81.8	55	18.11	460	7.53	191	0.63	16.0	0.39	9.9
		89.1	60	18.24	463	7.56	192	0.70	17.7	0.42	10.5
		96.9	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	12.6
18" x 11"	457.2 x 279.4	113.2	76	18.21	463	11.04	280	0.68	17.3	0.43	10.8
		128.1	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	13.6
		157.7	106	18.73	476	11.20	284	0.94	23.9	0.59	15.0
		177.3	119	18.97	482	11.27	286	1.06	26.9	0.66	16.6
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	15.6	0.40	10.2
		101.2	68	21.13	537	8.27	210	0.69	17.4	0.43	10.9
24 x 7	609.6 x 177.8	81.8	55	23.57	599	7.01	178	0.51	12.8	0.40	10.2
		92.0	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	14.9	0.42	10.5
		113.0	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	22.2	0.52	13.1
24" x 12 3/4"	609.6 x 324	155.0	104	24.06	611	12.57	324	0.75	19.0	0.50	12.7
		174.0	117	24.26	616	12.80	325	0.85	21.6	0.55	14.0
		195.0	131	24.48	622	12.86	327	0.96	24.4	0.61	15.4
		217.0	146	24.74	628	12.90	328	1.09	27.7	0.65	16.5
27" x 10'	685.8 x 254	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	18.9	0.49	12.4
		152.0	102	27.09	688	10.02	254	0.83	21.1	0.52	13.1
		170.0	114	27.29	693	10.07	256	0.93	23.6	0.57	14.5
27" x 14"	658.8 x 355.6	217.3	146	27.38	695	13.97	355	0.98	24.8	0.61	15.4
		239.6	161	27.59	701	14.02	356	1.08	27.4	0.66	16.8
30" x 10 1/2"	762 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
33' x 11 1/2"	838.2 x 292.1	176.0	118	32.86	835	11.48	292	0.74	18.8	0.55	14.0
		193.0	130	33.09	840	11.51	292	0.86	21.7	0.58	14.7
36" x 12"	914.4x304.8	200.9	135	35.55	903	11.95	304	0.79	20.1	0.60	15.2
		223.0	150	38.85	987	11.98	304	0.94	23.9	0.63	15.9
40" x 12"	1016 x 304.8	221.7	149	38.20	970	11.81	300	1.83	46.5	0.63	16.0

# Perfil *PTR* Estructural



DIMENSIONES EXTERIORES	ESPESOR			COLOR IDENTIFICACION	PESO KG / M	PESO POR PIEZA KG. 6 M.
	PULGADA MM.	CAL.	PULG. M.M.			
3/4 x 3/4 19 x 19	14	0.0747	1.89	AZUL	1.02	6.22
1 x 1 25 x 25	14	0.0747	1.89	AZUL	1.44	8.65
	12	0.1046	2.66	VERDE	1.87	11.22
	10	0.1345	3.42	ROJO	2.27	13.62
1 1/4 x 1 1/4 32 x 32	14	0.0750	1.89	AZUL	1.90	11.40
	12	0.0750	1.90	BLANCO	2.58	15.48
	10	0.0900	2.30	ROJO	2.83	16.98
1 1/2 x 1 1/2 38 x 38	14	0.0747	1.89	AZUL	2.18	13.10
	12	0.1046	2.66	BLANCO	2.96	17.76
	11	0.1196	3.04	VERDE	3.33	19.98
	9	0.1496	3.08	ROJO	4.02	24.12
2 x 2 51 x 51	14	0.0747	1.89	AZUL	2.95	17.70
	12	0.1046	2.80	BLANCO	4.17	24.60
	11	0.1196	3.04	VERDE	4.55	27.30
	9	0.1496	3.08	ROJO	5.56	33.36
2 1/2 x 2 1/2 64 x 64	14	0.0747	1.89	AZUL	3.69	22.19
	11	0.1196	3.04	BLANCO	5.82	34.92
	9	0.1495	3.80	VERDE	7.13	42.78
	7	0.1793	4.55	ROJO	8.37	50.22
3 x 3 76 x 76	14	0.0747	1.89	AZUL	4.59	27.59
	11	0.1196	3.04	BLANCO	7.09	42.54
	9	0.1495	3.50	VERDE	8.72	52.32
	7	0.1793	4.55	ROJO	10.28	61.68
3 1/2 x 3 1/2 89 x 89	14	0.0747	1.89	AZUL	5.27	31.65
	11	0.1169	3.04	BLANCO	8.34	50.04
	9	0.1495	3.80	VERDE	10.28	61.68
	7	0.1793	4.55	ROJO	12.16	72.96
3 x 2 76 x 51	14	0.0747	1.89	AZUL	3.69	22.14
	11	0.1196	3.04	BLANCO	5.82	34.92
	9	0.1495	3.80	VERDE	7.12	42.78
	7	0.1793	4.55	ROJO	8.37	50.22
4 x 2 102 x 51	14	0.0747	1.89	AZUL	3.69	22.14
	11	0.1196	3.04	BLANCO	7.09	42.54
	9	0.1495	3.80	VERDE	8.72	52.32
	7	0.1793	4.55	ROJO	10.28	61.68
4 x 3 102 x 76	14	0.075	1.89	AZUL	5.27	31.65
	11	0.1196	3.04	BLANCO	8.34	50.04
	9	0.1495	3.80	VERDE	10.28	61.68
	7	0.1793	4.55	ROJO	12.16	72.98
4 x 4 102 x 102	14	0.0747	1.89	AZUL	6.03	36.20
	11	0.120	3.00	BLANCO	9.60	57.60
	9	0.135	4.00	VERDE	12.03	72.18
	7	0.150	4.50	ROJO	14.30	85.80

# Polín Estructural Mon-ten



NOMENCLATURA		LARGO DE TRAMO MTS.	KILOS X METRO	KILOS X TRAMO	PATIN
PERALTE Pulg.	CALIBRE				
<b>A</b>	<b>B</b>				<b>C</b>
3	MT 12	6.00	3.60	21.60	1 1/2"
3	MT 14	6.00	2.50	15.00	1 1/2"
4	MT 10	6.00	6.00	36.00	2"
4	MT 12	6.00	4.73	28.73	2"
4	MT 14	4.00	3.44	13.76	2"
4	MT 14	6.00	3.44	20.64	2"
4	MT 14	8.00	3.44	27.52	2"
5	MT 10	6.00	6.70	40.20	2"
5	MT 12	6.00	5.27	31.62	2"
5	MT 14	5.00	3.82	19.10	2"
5	MT 14	6.00	3.82	22.92	2"
6	MT 10	6.00	7.38	44.28	2"
6	MT 10	6.00	7.80	47.00	2" 1/2
6	MT 12	6.00	5.82	34.92	2"
6	MT 12	6.00	6.00	36.00	2" 1/2
6	MT 14	6.00	4.21	25.26	2"
6	MT 14	6.00	4.50	27.00	2" 1/2
7	MT 10	7.00	9.12	63.84	2" 3/4
7	MT 12	7.00	7.17	50.19	2" 3/4
7	MT 14	7.00	5.18	36.26	2" 3/4
8	MT 10	8.00	9.90	79.20	2" 3/4
8	MT 12	8.00	7.80	62.50	2" 3/4
8	MT 14	8.00	5.60	44.80	2" 3/4
10	MT 10	10.00	11.22	112.00	2" 3/4
10	MT 12	10.00	8.80	88.00	2" 3/4
10	MT 14	10.00	6.34	63.40	2" 3/4
12	MT 10	12.00	14.40	172.80	3" 1/2
12	MT 12	12.00	11.10	133.20	3" 1/2
12	MT 14	12.00	8.00	96.00	3" 1/2

# Perfil Estructural *H.S.S*

Pulgadas		Peso en kg/m					
Cuadrado	Rectangular	1/8 "	3/16"	1/4"	5/16"	3/8"	1 /2"
4" x 4"		9.61	14.02	18.17	22.07	25.70	32.19
	5" x 3"	9.61	14.02	18.17	22.07	25.70	32.19
	6" x 2"	9.61	14.02	18.17	22.07	25.70	32.19
4 1/2" x 4 1/2"		10.86	15.92	20.70	25.24	29.50	37.25
	5" x 4"	10.86	15.92	20.70	25.24	29.50	37.25
	6" x 3"	10.86	15.92	20.70	25.24	29.50	37.25
	7" x 2"	10.86	15.92	20.70	25.24	29.50	37.25
5" x 5"		12.13	17.81	23.25	28.39	33.29	42.31
	6" x 4"	12.13	17.81	23.25	28.39	33.29	42.31
	7" x 3"	12.13	17.81	23.25	28.39	33.29	42.31
	8" x 2"	12.13	17.81	23.25	28.39	33.29	42.31
5 1/2" x 5 1/2"			19.72	25.77	31.56	37.10	
	6" x 5"		19.72	25.77	31.56	37.10	
	7" x 4"		19.72	25.77	31.56	37.10	
	8" x 3"		19.72	25.77	31.56	37.10	
6" x 6"			21.62	28.30	34.73	40.89	52.44
	7" x 5"		21.62	28.30	34.73	40.89	52.44
	8" x 4"		21.62	28.30	34.73	40.89	52.44
	9" x 3"		21.62	28.30	34.73	40.89	52.44
	10"x 2"		21.62	28.30	34.73	40.89	52.44
7"x 7"			25.42	33.36	41.06	48.48	62.58
	8" x 6"		25.42	33.36	41.06	48.48	62.58
	9" x 5"		25.42	33.36	41.06	48.48	62.58
	10"x 4"		25.42	33.36	41.06	48.48	62.58
	12"x 2"		25.42	33.36	41.06	48.48	62.58
7 1/2" x 7 1/2"			27.31	35.89	44.23	52.28	67.64
	8" x 7"		27.31	35.89	44.23	52.28	67.64
	9" x 6"		27.31	35.89	44.23	52.28	67.64
	10"x 5"		27.31	35.89	44.23	52.28	67.64
	12"x 3"		27.31	35.89	44.23	52.28	67.64

# Perfil Estructural *H.S.S*

Pulgadas		Peso en kg/m					
Cuadrado	Rectangular	1/8 "	3/16"	1/4"	5/16"	3/8"	1 /2"
8" x 8"			29.21	38.42	47.38	56.09	72.70
	9" x 7"		29.21	38.42	47.38	56.09	72.70
	10" x 6"		29.21	38.42	47.38	56.09	72.70
	12" x 4"		29.21	38.42	47.38	56.09	72.70
9" x 9"			33.01	43.50	53.72	63.68	82.83
	10" x 8"		33.01	43.50	53.72	63.68	82.83
	12" x 6"		33.01	43.50	53.72	63.68	82.83
	14" x 4"		33.01	43.50	53.72	63.68	82.83
10" x 10"			36.80	48.56	60.05	71.28	92.95
	12" x 8"		36.80	48.56	60.05	71.28	92.95
	14" x 6"		36.80	48.56	60.05	71.28	92.95
	16" x 4"		36.80	48.56	60.05	71.28	92.95
12" x 12"			44.41	58.68	72.71	86.46	113.20
	14" x 10"		44.41	58.68	72.71	86.46	113.20
	16" x 8"		44.41	58.68	72.71	86.46	113.20
	18" x 6"		44.41	58.68	72.71	86.46	113.20
	20" x 4"		44.41	58.68	72.71	86.46	113.20
14" x 14"					85.36	101.66	133.46
	16" x 12"				85.36	101.66	133.46
	20" x 8"				85.36	101.66	133.46
16" x 16"					98.03	116.85	153.73
	20" x 12"				98.03	116.85	153.73

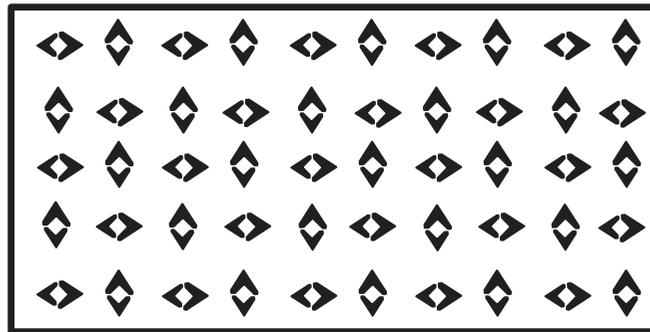
# Placa de Acero

MEDIDAS		2"	1 1/2"	1 1/4"	1"	7/8"	3/4"	5/8"	1/2"	7/16"	3/8"	5/16"	1/4"	3/16"
PIES	METROS	50.8 m.m.	38.1 m.m.	31.8 m.m.	25.4 m.m.	22.2 m.m.	19.1 m.m.	15.9 m.m.	12.7 m.m.	11.1 m.m.	9.5 m.m.	7.9 m.m.	6.4 m.m.	4.8 m.m.
3 x 8	0.914 x 2.44	889	667	556	444	389	333	278	222	194	171	139	113	86
3 x 10	0.914 x 3.05	1112	834	695	565	486	432	355	281	243	213	173	140	108
4 x 8	1.22 x 2.44	1186	889	741	593	519	444	370	296	259	222	185	151	112
4 x 10	1.22 x 3.05	1483	1112	927	754	648	568	482	385	324	285	237	191	142
5 x 20	1.52 x 6.10	3707	2780	2317	1852	1620	1389	1157	926	810	694	579	463	347
6 x 20	1.83 x 6.10	4448	3336	2780	2222	1944	1699	1418	1157	972	859	750	570	425
8x20	2.44x6.10	5990	4490	3750	2990	2610	2250	1875	1500	1300	1120	924	750	558
Kilos por metro <sup>2</sup>		398.35	299.00	249.00	199.33	174.41	149.35	124.58	99.66	87.14	74.75	62.29	49.83	37.37
Kilos por pie <sup>2</sup>		37.01	27.76	23.13	18.52	16.2	13.89	11.57	9.26	8.1	6.94	5.79	4.63	3.47

# Lámina y Placa Antiderrapante

CALIBRE	ESPESOR	PESOS TEORICOS (KG)			
		3" X 8"	3" X 10"	4" X 8"	4" X 10"
1/4	.250	125.00	156.50	167.00	209.00
3 / 16	.187	97.00	121.00	129.00	161.00
10	.134	74.137	90.180	96.192	120.24
1/8	.125	72.40	85.50	91.00	114.00
11	.119	54.40	68.00	72.00	90.72
12	.104	52.80	66.00	67.00	87.00
13	.089	41.00	51.032	54.43	68.04
14	.074	35.99	51.02	52.00	65.00
16	.0598		40.82		54.43

# Lámina Antiderrapante *Zarpa*



CALIBRE	ESPESOR		MEDIDAS ESTANDAR				kg/m <sup>2</sup>	kg/hoja 3 x 10
			ANCHO		LARGO			
	m.m.	pulg.	mts.	pies	mts.	pies		
20	0.91	0.0359	.915	3'	3.050	10'	7.326	20.412
18	1.21	0.0478	.915	3'	3.050	10'	9.768	27.216
16	1.52	0.0598	.915	3'	3.050	10'	12.210	34.020
14	1.90	0.0747	.915	3'	3.050	10'	15.262	42.525

# Lámina Lisa *Negra*

Calibre mm.	Espesor mm	Peso kg/m <sup>2</sup>	0.91x1.82 (3' x 6') Kg./ hoja	0.91x2.44 (3' x 8') Kg./ hoja	0.91x3.05 (3' x 10') Kg./ hoja	1.22x2.44 (4' x 8') Kg./ hoja	1.22x3.05 (4' x 10') Kg./ hoja
10	3.42	27.471	45.925	61.230	77.610	81.600	102.000
12	2.66	21.007	35.721	47.630	60.600	63.500	79.400
14	1.90	15.262	25.515	34.020	43.590	45.400	56.700
16	1.52	12.210	20.412	28.070	35.080	36.300	45.400
18	1.21	9.768	16.330	24.620	28.280	29.000	36.300
20	0.91	7.326	12.247	16.330	20.412	21.700	27.200
22	0.76	6.105	10.206	14.460	18.070	18.200	22.700
24	0.61	4.884	8.165	10.886	13.608	14.500	18.200
26	0.45	3.663	6.124	8.165	10.206	10.900	13.700
28	0.38	3.052	5.103	6.804	8.505	10.210	11.356
30	0.30	2.442	4.082	5.443	6.804	7.299	9.087

# Lámina Lisa y Acanalada

## Galvanizada y pintada

Tabla de pesos por hoja en kilos y por metro lineal  
030 / R-72 / R-10

\* Fabricación especial a medida

Calibre	Espesor en mm	1.83 mt 3" x 6"	2.44 mt 3" x 8"	3.05 mt 3" x 10"	3.66 mt 3" x 12"	2.44 mt 4" x 8"	3.05 mt 4" x 10"	3.66 mt 4" x 12"	6.10 mt 4" x 20"	91.5 mt 3" ancho	122 mt 4" ancho
10	3.470	45.92	62.08	77.6 1		82.78	103.47		206.94	25.46	33.95
12	2.710	35.72	48.48	60.60		64.64	80.80		161.80	19.88	26.51
14	1.950	25.51	34.87	43.59		46.49	58.11		116.22	14.30	19.07
16	1.570	20.41	28.07	35.08		37.42	46.78		93.56	11.51	15.35
18	1.270	16.33	22.62	28.28		30.16	37.70		75.40	9.28	12.37
20	0.970	12.25	17.18	21.47		22.91	28.63		57.26	7.05	9.39
22	0.813	10.84	14.46	18.07	21.68	19.28	24.10		48.20	5.93	7.91
24	0.584	7.78	10.37	12.97	15.56	13.83	17.29	20.75	34.58	4.25	5.67
26	0.508	6.76	9.01	11.27	13.52	12.02	15.02	18.04	30.07	3.70	4.93
28	0.432	5.74	7.65	9.57	11.48	10.21	12.76			3.14	4.19
30	0.358	4.72	6.29	7.86	9.44					2.58	3.03
32	0.240	3.36	4.49	5.61	6.73					1.89	

### Tipo O -30



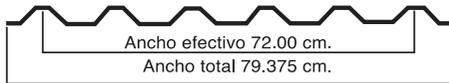
Calibre	Lámina O-30 Kg. por hoja			
	1.80	2.44	3.05	3.66
24	8.200	11.000	13.800	17.000
26	6.300	8.300	10.500	13.000
28	5.300	7.000	8.600	11.000
30	4.300	5.600	7.000	8.500

Ancho total: 0.80 m  
Poder cubriente: 0.71 m

\* Fabricación especial a medida

# Lámina Acanalada Galvanizada, Pintada y Zintroalum

## Tipo R -72



2.46 cm.

Calibre	Tipo R -72 kg por hoja								
	1.83	2.44	3.05	3.66	4.27	4.88	5.50	6.10	7.32
24	8.200	11.000	13.800	17.000	19.83	22.000	25.000	27.600	34.000
26	7.090	9.460	10.500	13.000	15.17	16.600	19.000	21.000	26.000
28	6.020	8.030	8.600	11.000					
30	4.950	6.600	7.000	8.500					
32	3.740	4.990	6.240	7.490					

Ancho total: 0.80 m

Poder cubriente: 0.72 m

*\* Fabricación especial a medida*

## Tipo R -90



11.97 cm.

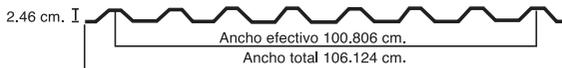
Calibre	Lámina R-90 Kg. por hoja			
	4.88	5.50	6.10	7.32
24	30.00	34.00	38.00	45.00
26	24.50	27.50	30.00	35.00

Ancho total: 0.96 m

Poder cubriente: 0.90 m

*\* Fabricación especial a medida*

## Tipo R -101



2.46 cm. I

Calibre	Tipo R -101 kg por hoja								
	1.83	2.44	3.05	3.66	4.27	4.88	5.50	6.10	7.32
24	11.25	15.000	19.000	22.500	26.25	30.000	34.000	38.000	45.000
26	8.50	10.900	14.000	17.000	19.84	22.500	25.500	30.000	35.000
28	7.50	9.100	12.000	15.000					

Ancho total: 1.07 m

Poder cubriente: 1.01 m

*\* Fabricación especial a medida*

# Lámina Acanalada *Galvanizada, Pintada y Zintroalum*

## Tipo P-104



Calibre	Tipo P-104								
	kg por hoja								
	1.83	2.44	3.05	3.66	4.27	4.88	5.50	6.10	7.32
24	11.25	15.000	19.000	22.500	26.25	30.000	34.000	38.000	45.000
26	8.50	10.900	14.000	17.000	19.84	22.500	25.500	30.000	35.000
28	7.50	9.100	12.000	15.000					

Poder cubriente: 1.04 m

*\* Fabricación especial a medida*

## Lámina en Rollo 2'

*Calibre 24 y 26 Pintada y Zintroalum*



## Lámina en Rollo 3' y 4'

*Calibre 18 al 32 Galvanizada, Pintada y Zintroalum*

## Lámina Acanalada *Poliacrílica y Acrílica*



### Tipo Asbesto

TIPO ASBESTO (6 ondas)

Medidas

1 x 1.83

1 x 2.15

1 x 2.44

1 x 2.60

1 x 3.05

1 x 3.15

1 x 3.66

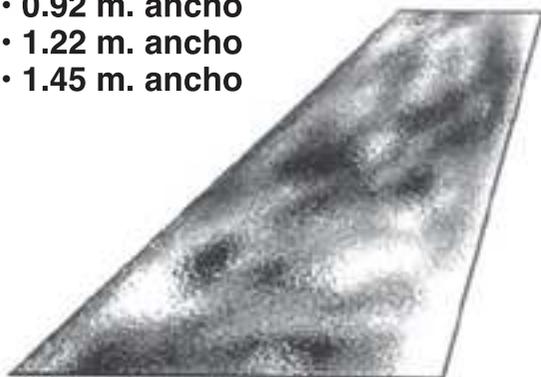
Ancho total: 1.00 m

Poder cubriente: 0.84 m

## Lámina Lisa *Poliéster y Acrílico*

Rollos de 25 m. de largo:

- 0.92 m. ancho
- 1.22 m. ancho
- 1.45 m. ancho



Se fabrica en los siguientes colores: (lisa y acanalada)

Existencia en: Pintro  
En una extensa gama de colores.

### Poliéster y Acrílico

- Blanco cristal
- Blanco lechoso
- Amarillo
- Verde bandera

Esta lámina **no es de plástico.**

Se fabrica de fibra de vidrio con resina de poliéster.

También se fabrica con resina de acrílico sobre pedido.

## Lámina para techar *Acrílica y Poliéster*

### Modelo

R -72

R -90

R -101



### Tipo Asbesto

#### Modelo

P - 4

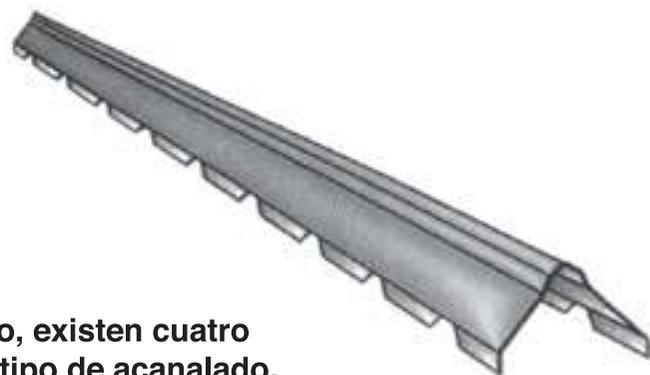
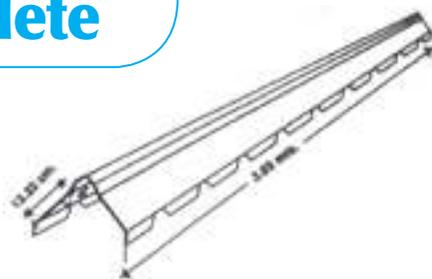
P - 7

O -30

O -100

## Accesorios Galvanizados *para techos*

### Caballete

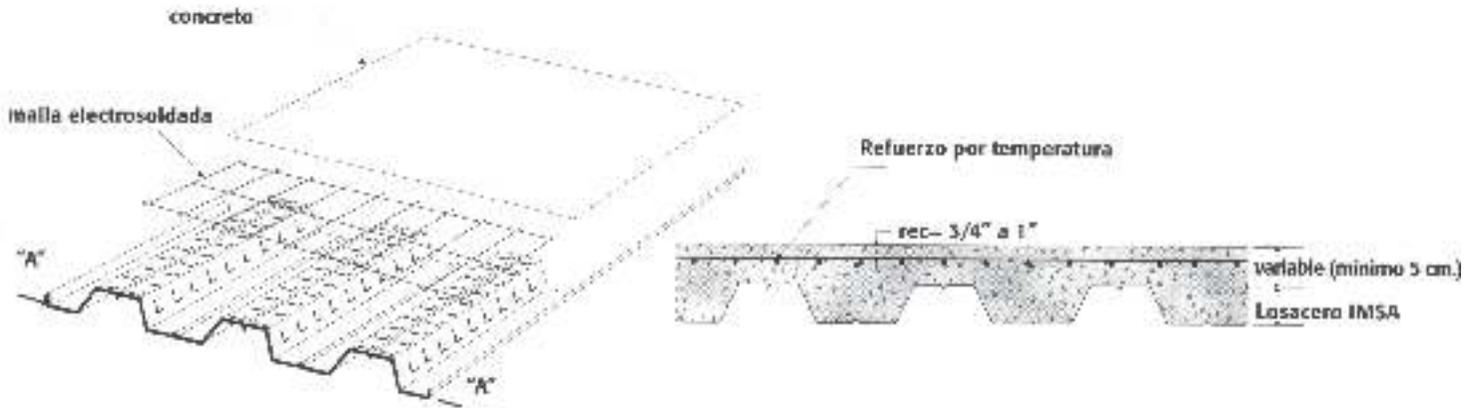


Para cubrir el parteaguas de un edificio, existen cuatro tipos de caballetes de acuerdo a cada tipo de acanalado.

TIPO DE ACANALADO	MEDIDAS DE LAM. LISA			LARGO EFECTIVO
	CAL.	ANCHO(MTS.)	LARGO (MTS.)	
R-72 Y R-101	26	0.45	3.05	2.88
R-90	26	0.61	2.44	2.35

# Sistema Losacero

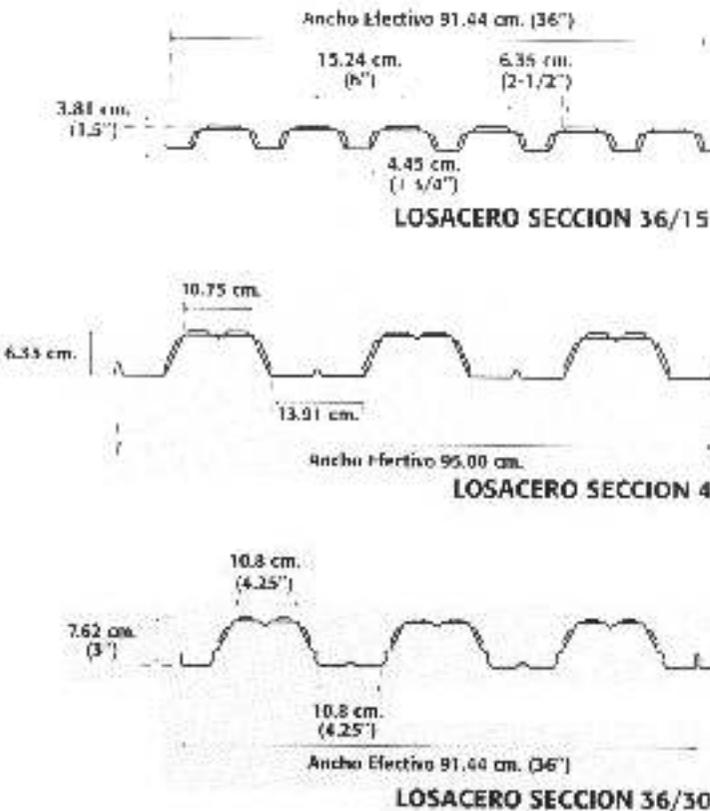
Acción compuesta: La Losacero fue diseñada para usarse como losa compuesta, los elementos principales que la conforman son: perfil acanalado metálico, concreto y malla electrosoldada.



(Losacero, el perfil mostrado corresponde a la Sección 4)

CORTE A-A

El término "Losacero" se define como un sistema en el cual se logra la interacción del perfil metálico (Sección 36/15, Sección 4 y Sección 36/30) con el concreto, por medio de protuberancias (embozado) que trae consigo el perfil. Parte del espesor de concreto se convierte en el patín de compresión, mientras que el acero resiste los esfuerzos de tensión, y la malla electrosoldada para resistir los esfuerzos ocasionados por los cambios de temperatura en el concreto.



En Losacero se tienen dos tablas de capacidad de carga (Para concreto endurecido).

Una con conectores de cortante (mayor capacidad de carga), que deben de ir colocados en todos los valles - - sobre las vigas de apoyo, los cuales deben tener una 6.35 cm. fuerza cortante resistente última de 9,528 kg. para que - - l puedan ser válidos los valores de la tabla.

Y la otra sin conectores (menor capacidad de carga), no es necesaria la colocación de pernos de cortante pero sí la perfecta fijación a la estructura de soporte con tornillos autotaladrantes, clavo disparado o puntos de soldadura en todos los valles y con sus respectivas molduras de borde.

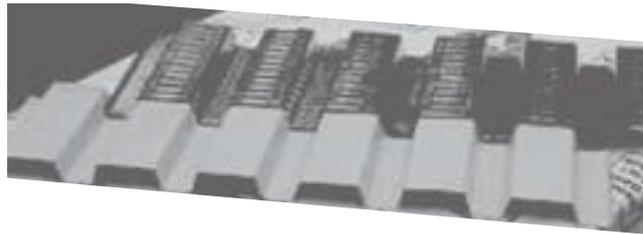
**\* Fabricación especial a medida**

**Para estos productos es necesario checar apuntalamientos y seguir la norma de instalación.**

# Lámina Losacero Sistema de Entrepisos Metálicos

## Losacero 15

Calibre	Pesos kg Teóricos (ml)
20	8.98
22	7.50
24	6.01



Aplicaciones
Para losas de entrepiso y para el mercado de vivienda.
Lámina base en losas de concreto (trabaja como acero de refuerzo).
Funciona como cimbra (plataforma de trabajo).

Atributos	Losacero 15
Poder cubriente	914.4 mm
Peralte	38.1 mm
Calibres	18*, 20, 22 y 24

\* Calibres bajo consulta

*\* Fabricación especial a medida*

## Losacero 25

Calibre	Pesos kg Teóricos (ml)
20	8.98
22	7.50
24	6.01



Aplicaciones
▪ Lámina base en losas de concreto.
▪ Trabaja como acero de refuerzo.
▪ Funciona como cimbra y plataforma de trabajo.

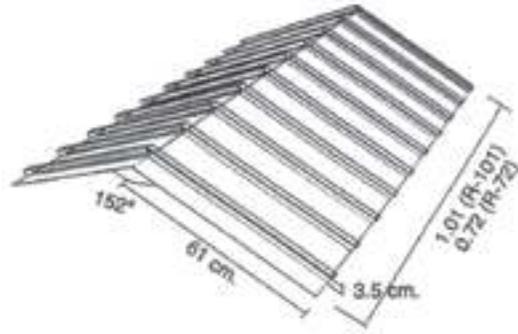
Atributos	TERNIUM Losacero 25
Poder cubriente	914.4 mm
Peralte	63 mm
Calibres	18*, 20, 22 y 24

\* Calibres bajo consulta

*\* Fabricación especial a medida*

Para estos productos es necesario checar apuntalamientos y seguir la norma de instalación.

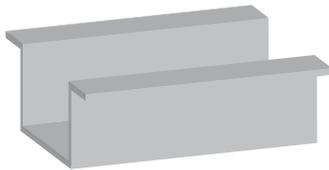
# Cumbrera



Para un mejor sellado y para lograr continuidad de la lámina en el parteaguas

ESPECIFICACIONES PARA CABALLETE ESTANDAR				
TIPO DE ACANALADO	MEDIDAS DE LAM. LISA			LARGO EFECTIVO
	CAL.	ANCHO(MTS.)	LARGO (MTS.)	
R-72	26	0.915	1.20	0.72
R-101	26	1.220	1.20	1.01

# Fabricación de Canales para agua



*Galvanizado, Pintado y Zintroalum*

# Tablero Negro y galvanizado

## Ondulado



### Lámina de tablero (CALIBRE 20)

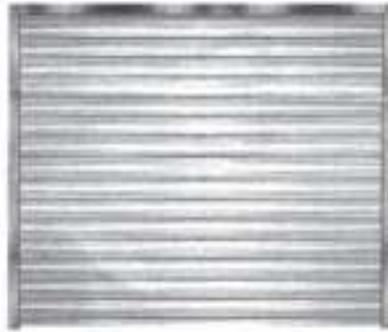
Medida m	Pies	Kg /Hoja
0.73 X 0.92	3 x 3	6.122
0.73 X 1.22	3 x 4	8.207
0.73 X 1.82	3 x 6	12.311
0.73 X 2.00	3 x 6 1/2	13.270
0.73 X 2.10	3 x 7	14.350
0.73 X 2.44	3 x 8	16.414
0.73 X 3.05	3 x 10	20.518
1.00 X 0.92	4 x 3	8.207
1.00 X 1.22	4 x 4	11.000
1.00 X 1.82	4 x 6	16.500
1.00 X 2.00	4 x 6 1/2	17.790
1.00 X 2.10	4 x 7	20.000
1.00 X 2.44	4 x 8	22.500
1.00 X 3.05	4 x 10	27.500

### Duela de tablero (CALIBRE 20)

Medida m.	Pies	Kg / Hoja
0.12 X 1.80	- X 6	1.900
0.12 X 2.44	- X 8	2.600
0.12 X 3.05	- X 10	3.300
0.25 X 1.80	- X 6	3.800
0.25 X 2.44	- X 8	5.200
0.25 X 3.05	- X 10	6.500

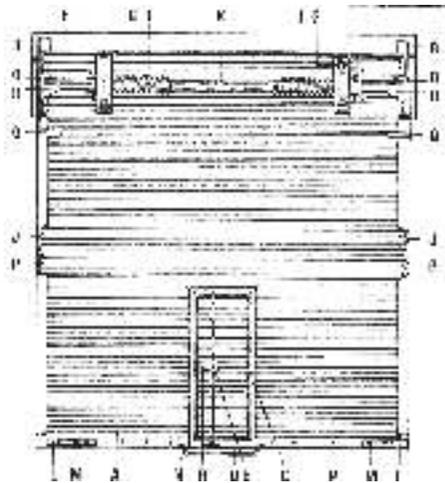
# Cortina Metálica para accesorias

Tira de Cortina NEGRA Y GALVANIZADA	
Largo de la tira m.	Kg. por tira
2.05	1.700
2.55	1.913
3.05	2.600



Tira de Cortina NEGRA Y GALVANIZADA	
Largo de la tira m.	Kg. por tira
3.55	3.000
3.66	3.100
4.05	3.300
4.55	3.600
5.05	4.000
5.55	4.300
6.10	5.000

## Accesorios para cortina



- A) Tira
- B) Guía
- C) G. P. C. -1
- D) B. P. C. -1
- E) Base Chapa
- F) Antepecho
- G) Bombo
- H) Chumacera
- I) Resorte
- J) Pieza lateral
- K) Tubo
- L) Pasador
- M) Armella
- N) Puente
- O) Bandera
- P) Remache
- Q) Tope
- R) Chapa

### Guía



Lámina negra  
Calibre 16,14 y 12  
Profundidad: 50,60 y 70 mm.  
Largo: 3.05 y 6.10 mts.

### Chumacera



Fierro colado ranura cerrada  
venas de soporte para tubo  
de 3/4", 1", 1 1/4" y 1 1/2"

### Bombo estandar



Fierro colado máquina  
del centro para tubo de  
3/4", 1", 1 1/4" y 1 1/2"

### Bombo embalado



Fierro colado montado en  
balero maquinado para tubo  
de 3/4", 1", 1 1/4" y 1 1/2"

### Antepecho integral



Lámina negra y galvanizada  
Calibre 18 largo: 3.05 mts.

### Roseta y tarugo



Para flecha de mecanismo

### Tira tipo europea



Lámina negra, pintakort,  
galvanizada zintro y pintro  
Calibre 26,24 y 22  
Medidas standard y especiales.

### Pasador y armellas



(Pasador) En 1 ó 2 ranuras 6 cm.  
de carrera en solera de 1/4 x 1"

(Armellas) En solera de 1/4, x 1"

### Pieza lateral europea



En lámina negra y galvanizada  
Calibre 16 y 14

### Tira tipo duela americana



Lámina negra, galvanizada y pintro  
Calibre 24 y 22  
Medidas standard y especiales.

### Puente para cortina de postigo



En solera de 1/4, 5/16 y 3/8 x 1"

### Resortes



Alambre nacional e importado diámetro chico  
de (2" interior) grande de (2 3/4 interior) largos  
0.30, 0.35, 0.40 y 1.20 mts. Para calibre de 3/16,  
7/32 y 1/4; 1.05 y 1.20 mts. Para calibre de 5/16.

### Mecanismo de cadena



En placa y fierro colado  
doble multiplicación con  
baleros, chico, grande,  
izquierdo y derecho.

### Remache negro



Cabeza plana para pieza lateral núm. 3 y 4,  
Cabeza bola de 3/16 x 1/2, 3/16 x 1", 1/4 x 1/2  
y 5/16 x 1"

### Pieza tubular troquelada



Lámina negra  
y galvanizada  
calibre 16 y 14  
con punto de  
fusión al centro  
puntas abiertas

### Remate tubular troquelada Hembra Macho



Lámina negra y galvanizada  
Calibre 12

### Accesorios para mecanismos de cadena

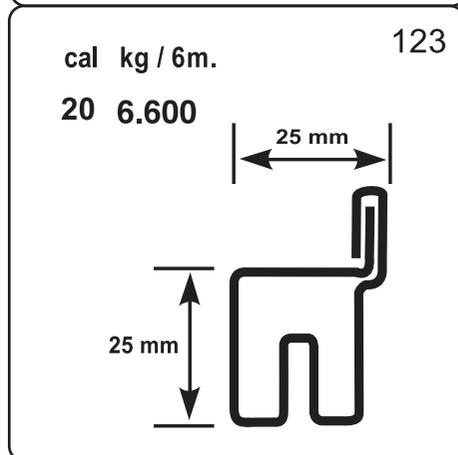
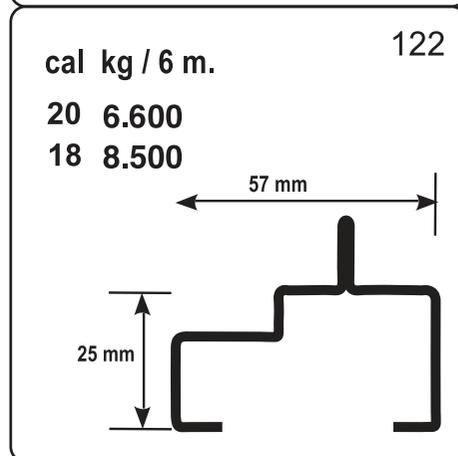
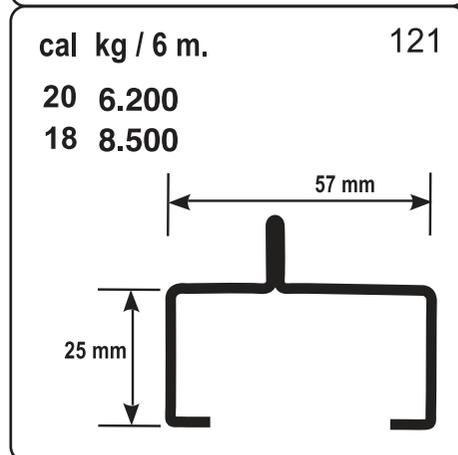
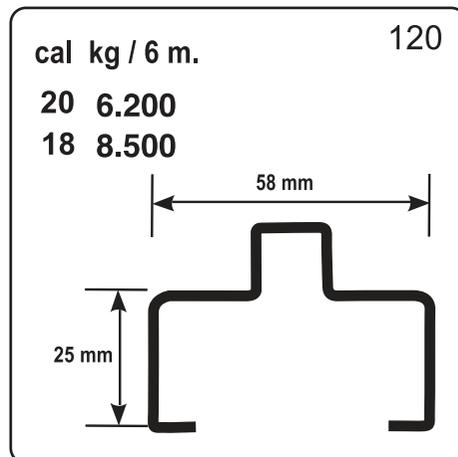
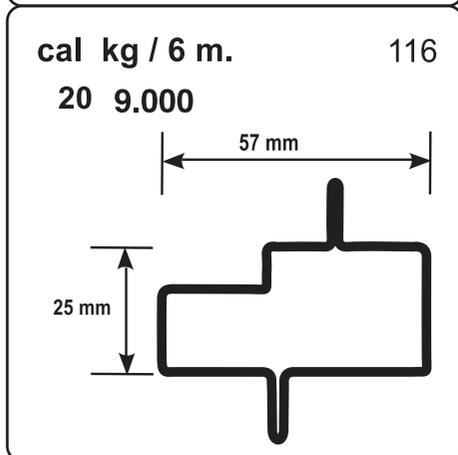
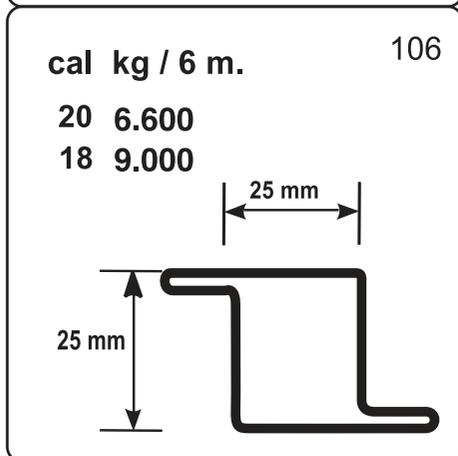
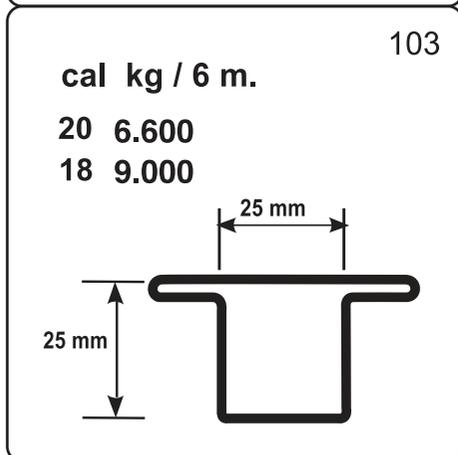
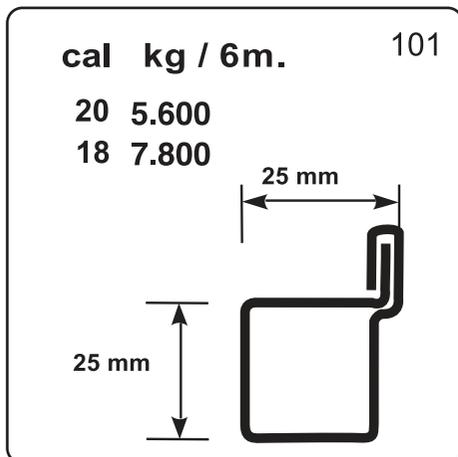


### Bandera Triangular

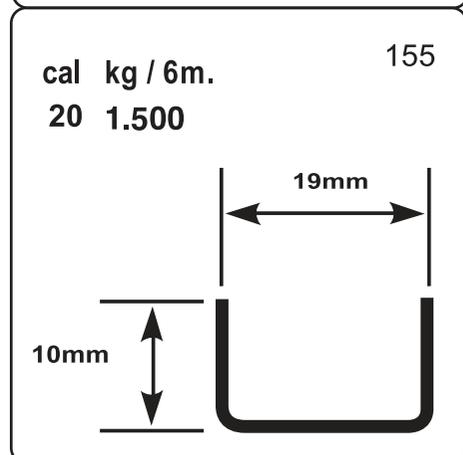
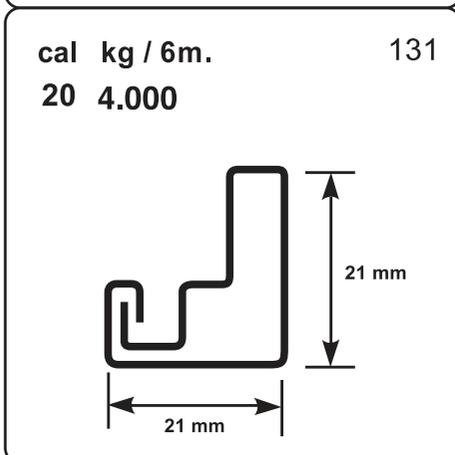
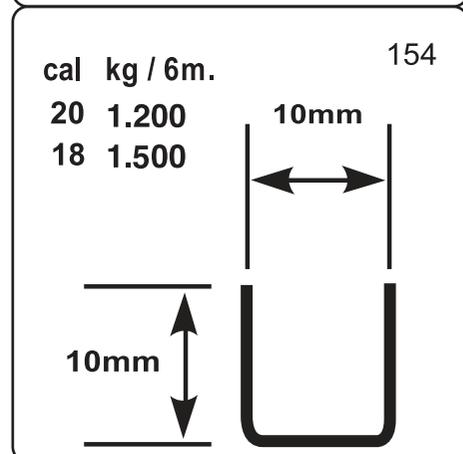
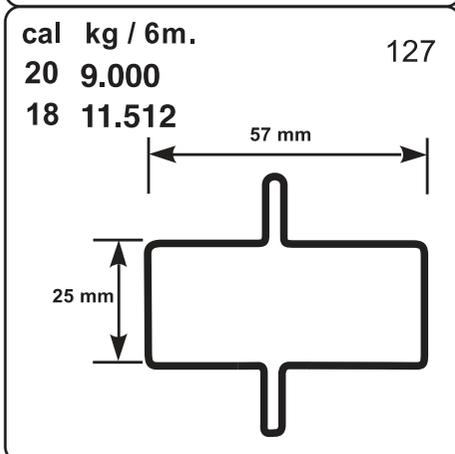
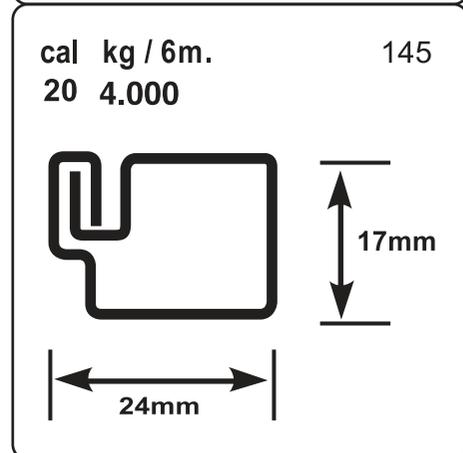
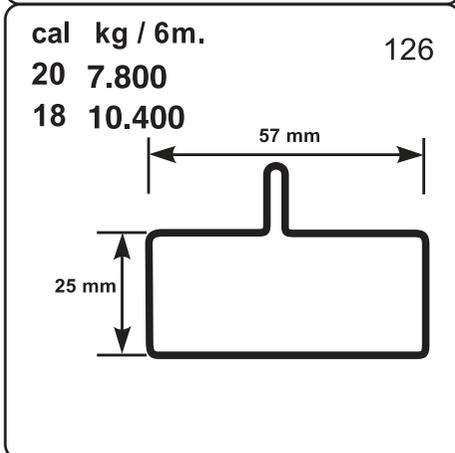
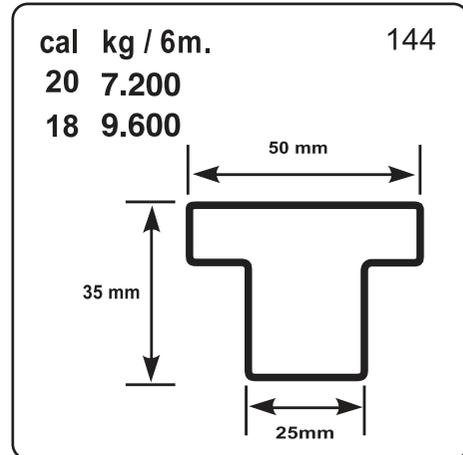
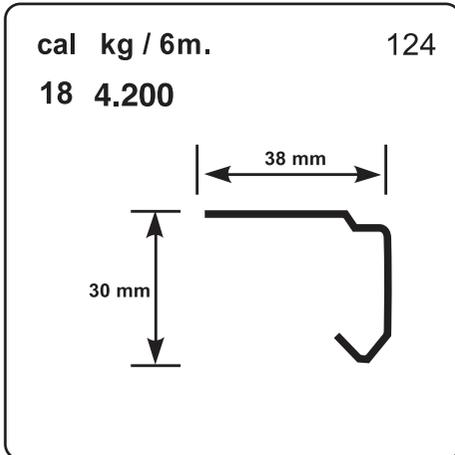


Lámina negra calibre 14 y 12  
Chica de 254 x 184 x 70 mm.  
Grande de 305 x 225 x 80 mm.

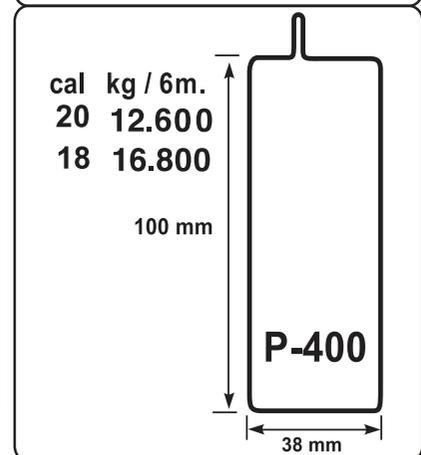
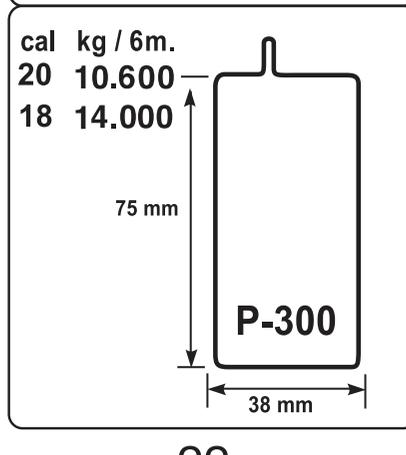
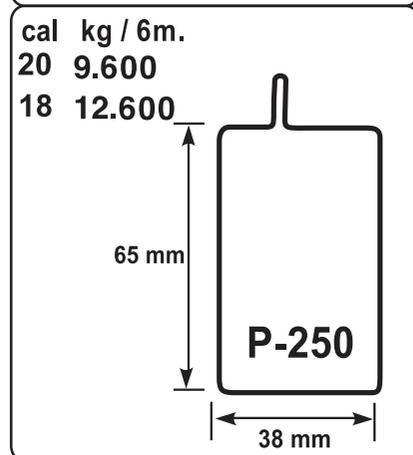
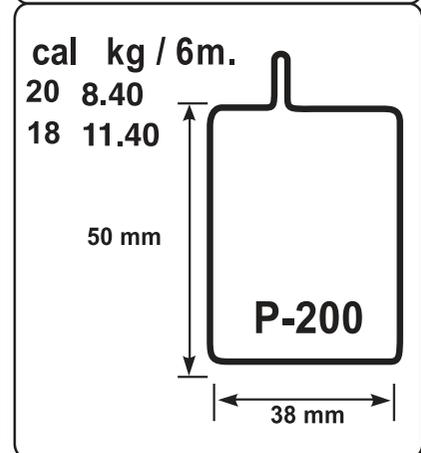
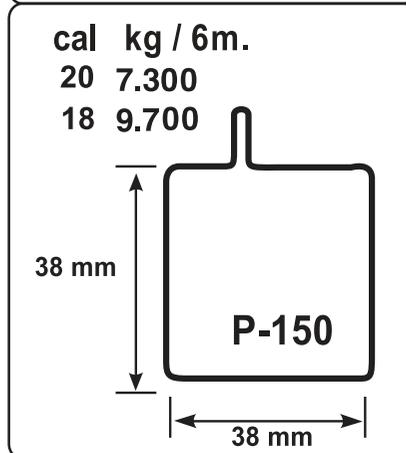
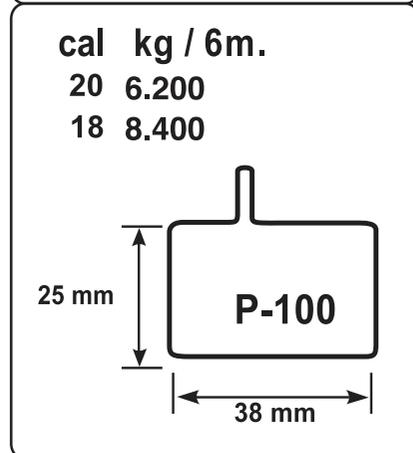
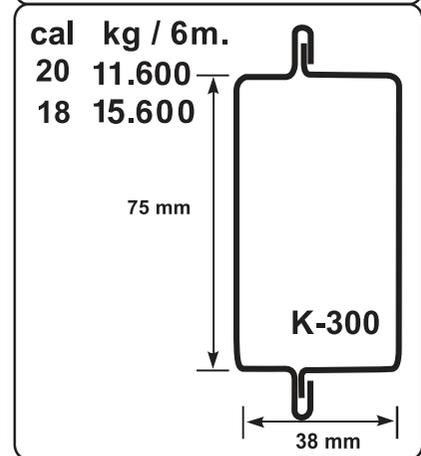
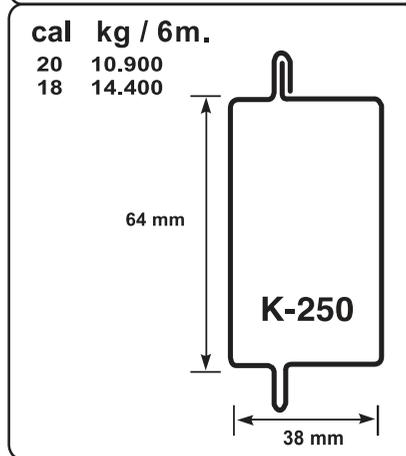
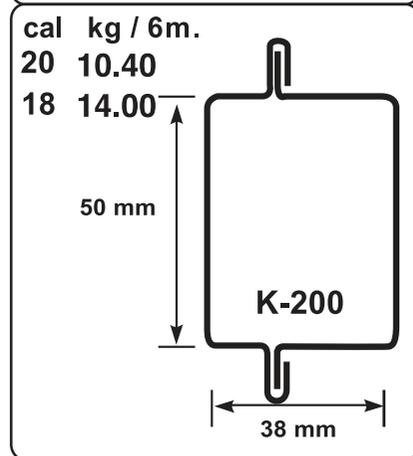
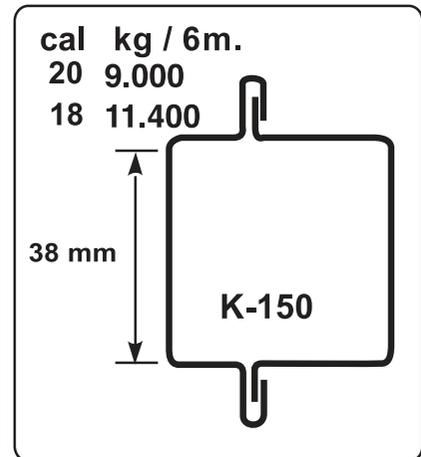
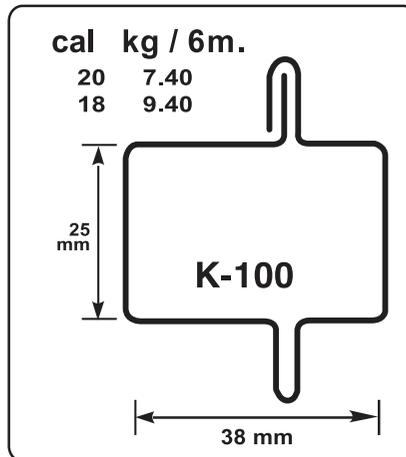
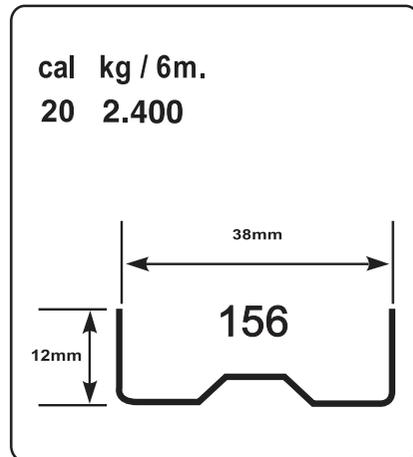
# Perfiles Tubulares



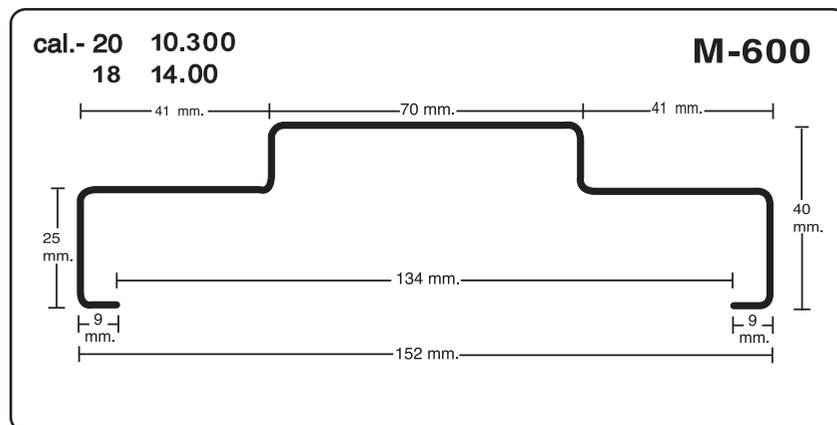
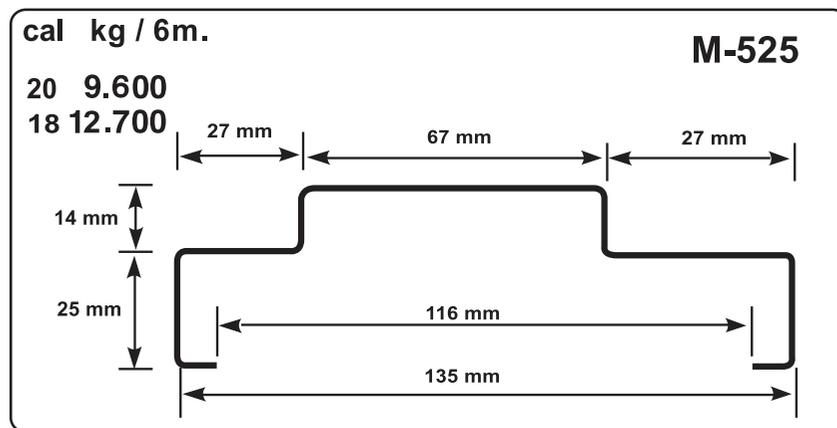
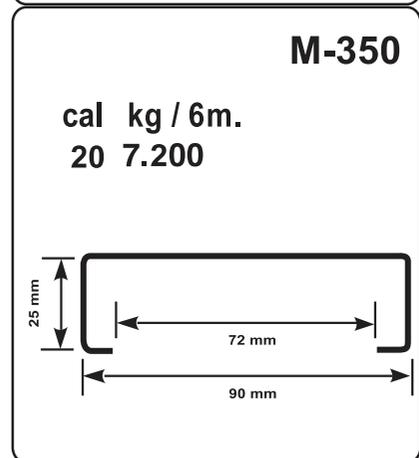
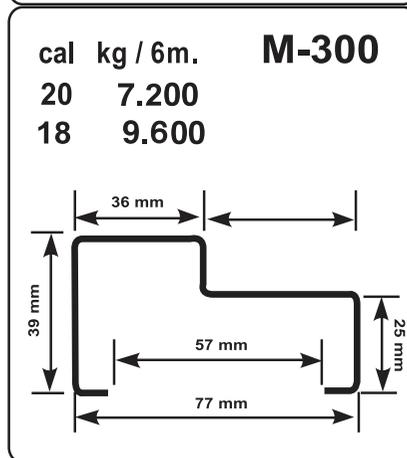
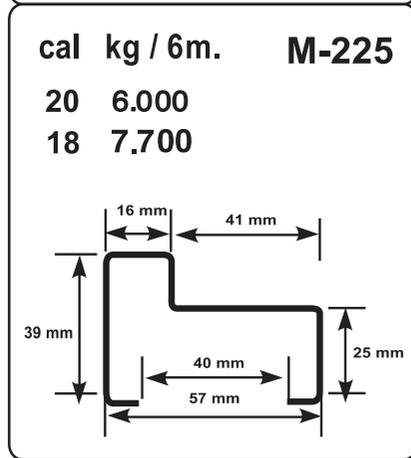
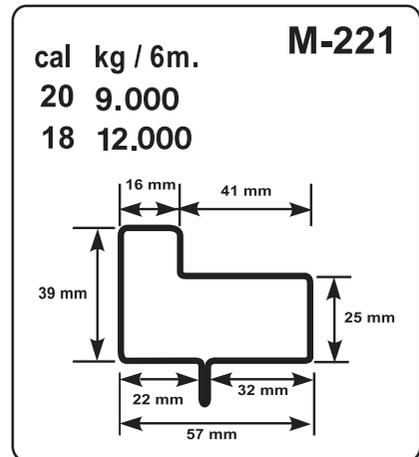
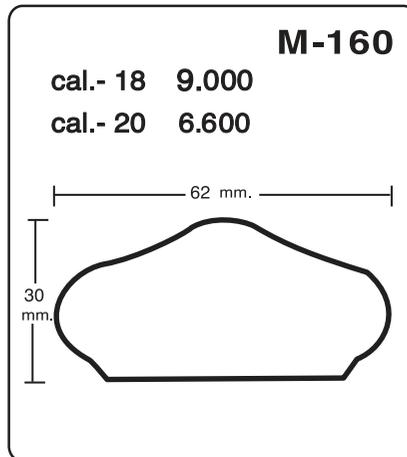
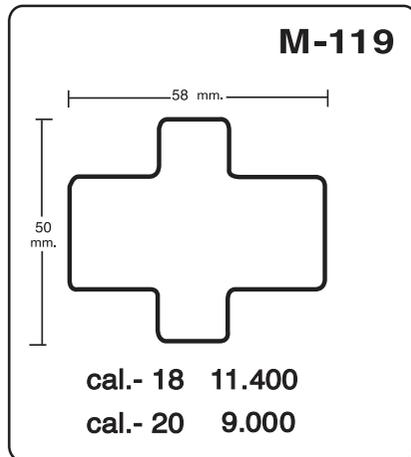
# Perfiles Tubulares



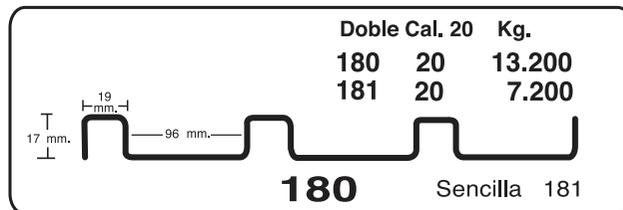
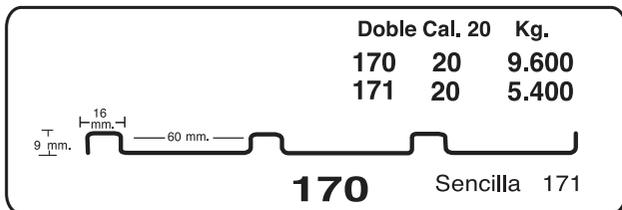
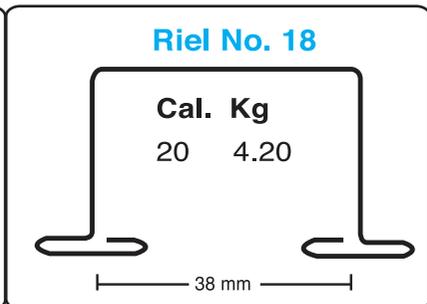
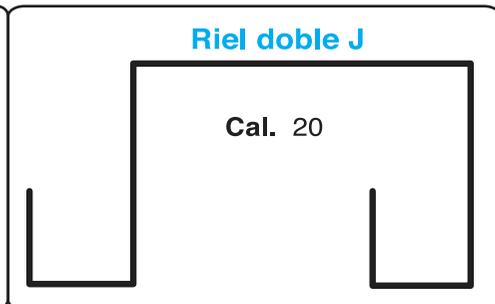
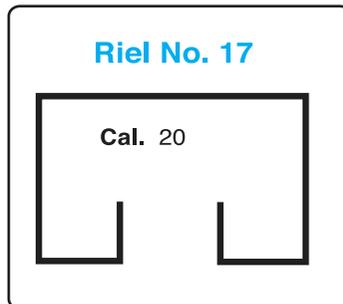
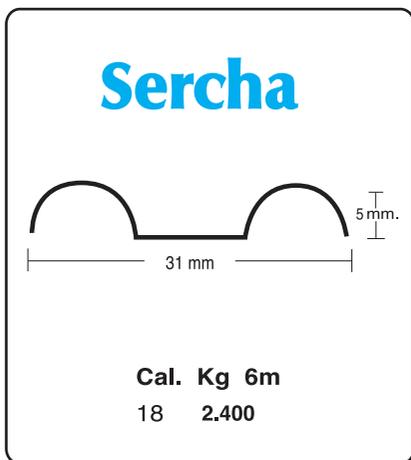
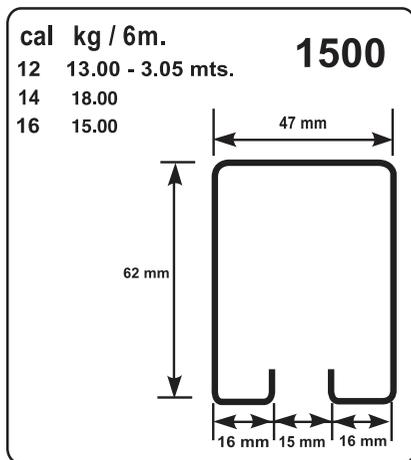
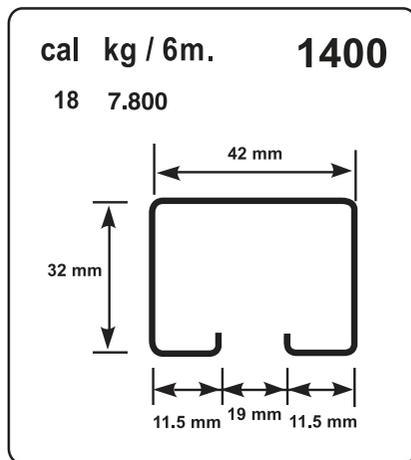
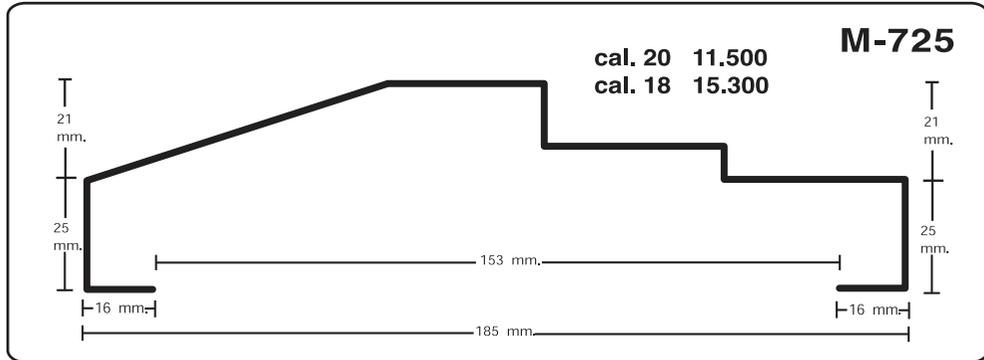
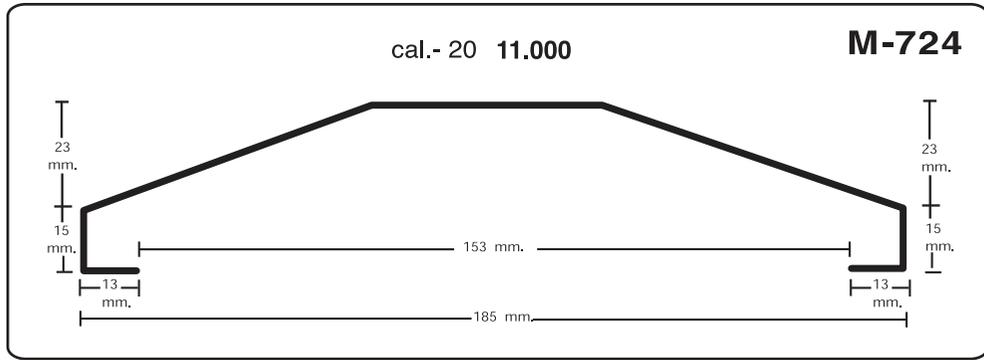
# Perfiles Tubulares



# Perfiles Tubulares



# Perfiles Tubulares



# Perfiles Tubulares

**R-050**

13 mm  
10 mm

Cal Kg / 6m.  
18 2.300

**R-100**

25 mm  
13 mm

Cal Kg / 6m.  
18 4.200

**R-125**

32 mm  
20 mm

Cal Kg / 6m.  
20 4.200  
18 6.000

**Pv-128**

38 mm  
13 mm

Cal Kg / 6m.  
18 6.000

**R-175**

45 mm  
20 mm

Cal Kg / 6m.  
20 5.400  
18 7.200

**R-200**

51 mm  
25 mm

Cal Kg / 6m.  
20 6.600  
18 9.000  
16 10.800  
14 13.800

**R-225**

58 mm  
20 mm

Cal Kg / 6m.  
20 6.600  
18 9.000

**R-249**

65 mm  
32 mm

Cal Kg / 6m.  
20 8.400  
18 10.800  
16 13.600  
14 16.000

**Pv-229**

38 mm  
25 mm

Cal Kg / 6m.  
18 7.200

# Perfiles Tubulares

**R-250**

65 mm

38 mm

Cal	Kg / 6m.
18	12.600
16	15.500
14	18.000

**R-275**

75 mm

32 mm

Cal	Kg / 6m.
18	12.600
16	15.500
14	18.000

**R-300**

75 mm

38 mm

Cal	Kg / 6m.
20	9.600
18	13.200
16	16.200
14	20.400

**R-400**

100 mm

38 mm

Cal	Kg / 6m.
20	12.000
18	16.200
16	19.800
14	24.600

**C-050**

Cal	Kg 6m
20	2.200
18	3.000

1/2  
13 mm

**C-075**

Cal	Kg 6m
20	3.200
18	4.200

3/4  
19 mm

**C-100**

Cal	Kg 6m
20	4.300
18	6.000
16	7.200
14	9.000

1"  
25.4 mm

**C-125**

Cal	Kg 6m
20	5.400
18	7.200
16	9.000
14	11.400

1 1/4  
32.0 mm

**C-150**

Cal	Kg 6m
20	6.600
18	8.000
16	10.800
14	13.800

1 1/2"  
38 mm

**C-200**

Cal	Kg 6m
18	11.700
16	14.400
14	18.000

2"  
51 mm

**C-250**

Cal	Kg 6m
14	22.200

2 1/2"  
65 mm

# Tubo Industrial

Diám. mm.	Ext. Pulg.	Cal.	Peso kg/m	Peso Pza. (6m)
9.0	3/8	16	0.330	2.0
		18	0.250	1.5
		20	0.200	1.2
12.7	1/2	16	0.500	3.0
		18	0.389	2.3
		20	0.292	1.7
15.8	5/8	14	0.762	4.6
		16	0.610	3.7
		18	0.488	2.9
		20	0.366	2.2
19.05	3/4	14	0.913	5.5
		16	0.730	4.4
		18	0.585	3.5
		20	0.438	2.6
20.6	13/16	14	0.989	6.0
		16	0.791	4.8
		18	0.633	3.8
		20	0.475	2.9
22.2	7/8	14	1.064	6.4
		16	0.852	5.1
		18	0.681	4.1
		20	0.500	3.0
23.8	15/16	14	1.140	6.9
		16	0.913	5.5
		18	0.730	4.4
		20	0.548	3.3
25.4	1"	14	1.218	7.3
		16	0.974	5.9
		18	0.779	4.7
		20	0.585	3.5
28.5	1 1/8	14	1.371	8.2
		16	1.097	6.6
		18	0.878	5.3
		20	0.658	4.0
31.7	1 1/4	14	1.520	9.1
		16	1.216	7.3
		18	0.973	5.9
		20	0.730	4.4
33.4	1 3/8	14	1.673	10.0
		16	1.338	8.0
		18	1.071	6.4
		20	0.803	4.8

Diám. mm.	Ext. Pulg.	Cal.	Peso kg/m	Peso Pza. (6m)
38.1	1 1/2	14	1.827	10.1
		16	1.461	8.8
		18	1.169	7.0
		20	0.877	5.3
41.3	1 5/8	14	1.980	11.9
		16	1.584	9.5
		18	1.267	7.6
		20	0.950	5.7
44.4	1 3/4	14	2.129	12.7
		16	1.703	10.2
		18	1.362	8.2
		20	1.022	6.1
47.6	1 7/8	14	2.282	13.7
		16	1.826	11.0
		18	1.461	8.8
		20	1.095	6.6
50.8	2"	14	2.436	14.6
		16	1.949	11.7
		18	1.559	9.4
		20	1.169	7.0
54.0	2 1/8	16	2.250	13.5
		18	1.660	10.0
57.1	2 1/4	14	2.738	16.4
		16	2.190	13.2
		18	1.752	10.5
		20	1.314	7.9
60.4	2 3/8	14	2.864	17.2
		16	2.305	13.8
		18	1.849	11.1
		20	1.383	8.3
63.5	2 1/2	14	3.045	18.3
		16	2.436	14.6
		18	1.949	11.7
		20	1.461	8.8
73.0	2 7/8	14	3.473	20.1
		16	2.798	16.8
		18	2.239	13.5
76.2	3"	14	3.650	21.9
		16	2.920	17.5
		18	2.336	14.0
		20	1.750	10.5
88.9	3 1/2	14	4.200	25.2
		16	3.600	21.6
		18	3.030	18.2
101.4	4"	14	4.680	28.1
		16	3.750	22.5
		18	3.200	19.2

## Tubo Cédula 30 *Mecánico*

Diámetro Nominal		Diámetro Interior	Diámetro Exterior	Espesor de Pared	Peso	Peso Pieza
mm.	Pulg.	mm.	mm.	mm.	Kg/m	6.00 m.
13	1/2	15.9	21.33	1.7094	0.900	5.40
19	3/4	22.4	26.67	1.7094	1.200	7.20
25	1"	31.9	33.40	1.8974	1.500	9.00
32	1 1/4	36.4	42.16	2.2784	2.350	14.10
38	1 1/2	41.3	48.26	2.2784	2.700	16.20
51	2"	54.0	60.32	2.6568	3.950	23.70
64	2 1/2	66.5	73.03	2.6568	4.800	28.80
76	3"	82.5	88.90	3.0378	6.700	40.20
102	4"	108.0	114.30	3.0378	8.600	51.60

## Tubo Cédula 40 *Negro y Galvanizado*

Diámetro Nominal		Diám. Interior	Diám. Exterior	Espesor de Pared	Peso Kg/m	Presión Hidrostática		Peso Pieza
mm.	Pulg.	mm.	mm.	mm.		Kg/cm <sup>2</sup>	Lb/Pulg <sup>2</sup>	6.40 m.
10	3/8	12.50	17.1	2.30	0.85	50	700	5.44
13	1/2	15.80	21.3	2.71	1.27	50	700	8.13
19	3/4	20.93	26.7	2.87	1.68	50	700	10.75
25	1"	26.64	33.4	3.38	2.50	50	700	16.00
32	1 1/4	35.05	42.2	3.56	3.39	70	1000	21.70
38	1 1/2	40.39	48.3	3.68	4.06	70	1000	26.00
50	2"	52.50	60.3	3.91	5.48	70	1000	35.07
64	2 1/2	62.71	73.0	3.16	8.66	70	1000	55.42
76	3"	77.92	88.9	5.49	11.34	70	1000	72.58
102	4"	102.26	114.3	6.02	16.21	85	1200	103.74

### *Negro Norma x 6.40 m.*

Diámetro Nominal		Exterior Real	Espesor Pared	Diámetro Interior	Peso	Presión Hidrostática		Peso Pieza
mm.	Pulg.	mm.	mm.	mm.	Kg/m	Kg/cm <sup>2</sup>	Lb/pulg <sup>2</sup>	6.40 m.
64	2 1/2	73.0	4.06	64.88	6.90	70	1000	44.16
74	3"	88.9	4.32	80.26	9.00	70	1000	57.60
102	4"	114.3	4.66	104.90	12.70	85	1200	81.28

# Tubo Cédula 80 Vapor alta presión

Diámetro Nominal		Diámetro Exterior	Espesor de Pared	Diámetro Interior	Peso Tramo	Presión Hidrostática	
mm.	Pulg.	mm.	mm.	mm.	Kg/m	Kg/cm <sup>2</sup>	Lb/Pulg <sup>2</sup>
10	3/8	17.1	3.21	10.74	1.10	59.5	850
13	1/2	21.3	3.74	13.87	1.61	59.5	850
19	3/4	26.7	3.92	18.85	2.18	59.5	850
25	1"	33.4	4.55	24.31	3.21	59.5	850
32	1 1/4	42.2	4.86	32.46	4.44	112.0	1600
38	1 1/2	48.3	5.09	38.10	5.37	112.0	1600
50	2"	60.0	5.55	49.25	7.45	112.0	1600
65	2 1/2	73.0		50.00	11.46		
76	3"	88.9		73.66	15.25		
88	3 1/2	101.6		85.45	118.62		
101	4"	114.3		97.18	122.29		
125	5"	141.3		122.25	30.93		
151	6"	168.3		146.33	42.52		
201	8"	219.1		193.68	64.57		

## Tubería en diámetros mayores

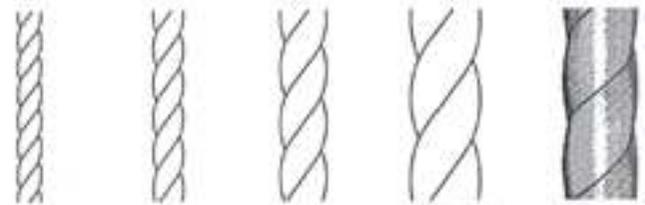
DIAMETRO Nominal	DIAMETRO Exterior		ESPESOR DE PARED			CEDULA	PESO		PRESION DE PRUEBA API 5L GRADO B	
	Pulg.	mm.	Pulg.	Pulg.	mm.		No.	Lb./Pie	kg/m.	Lb./Pulg
6"	6 5/8	168.3	3/16	.188	4.7	40	15.00	17.60	1.420	100
			1/4	.250	6.4		17.02	25.55	1.580	111
			9/32	.280	7.1		18.97	28.22	1.780	125
8"	8 5/8	218.1	3/16	.188	4.7	20 30 40	19.40	29.80	1.040	70
			1/4	.250	6.4		22.36	33.57	1.520	86
			9/32	.280	7.1		25.07	36.61	1.350	95
				.322	8.2		28.55	42.48	1.570	110
10"	10 3/4	273.1	1/4	.250	6.4	20 40	28.04	42.09	980	69
			3/8	.375	9.5		41.59	60.50	1.430	101
12"	12 3/4	323.9	1/4	.250	6.4	20	33.38	50.11	820	58
			3/8	.375	9.5		49.56	73.65	1.240	87
14"	14"	355.6	1/4	.250	6.4	10 20 30	36.71	55.11	750	53
			5/16	.312	7.9		45.61	67.74	940	66
			3/8	.375	9.5		54.57	81.08	1.120	79
16"	16"	406.4	1/4	.250	6.4	10 20 30	42.05	63.13	660	46
			5/16	.312	7.9		52.27	77.63	820	58
			3/8	.375	9.5		62.58	92.98	980	69
18"	18"	457.2	1/4	.250	6.4	10	47.39	71.12	580	41
			3/8	.375	9.5		70.59	104.84	880	62
20"	20"	508.0	1/4	.250	6.4	10 20	52.73	79.16	520	37
			3/8	.375	9.5		78.60	116.96	767	54
24"	24"	609.6	1/4	.250	6.4	10 20	63.41	95.26	440	31
			3/8	.375	9.5		94.62	140.79	639	45
30"	30"	762	1/4	.250	6.4			118.33		
			9/32	.281	7.1			132.91		
			5/16	.312	7.9			147.28		
36"	36"	914.40	9/32	.250	6.4			142.13		
			5/16	.281	7.1			159.97		
			5/16	.312	7.9			176.96		
48"	48"	1219.20		.344			260.85			

## Tubular Martillado *Hierro Ornamental*



No. Catálogo	Medidas	Peso Técnico Kg/pza.
HT-100	2" x 2"	14.43
HT-102	1 1/2 x 1 1/2	10.50
HT-104	1 1/4 x 1 1/4	8.70
HT-106	1" x 1"	7.00
HT-108	3/4 x 3/4	5.25
HT-109	1/2 x 1/2	3.24

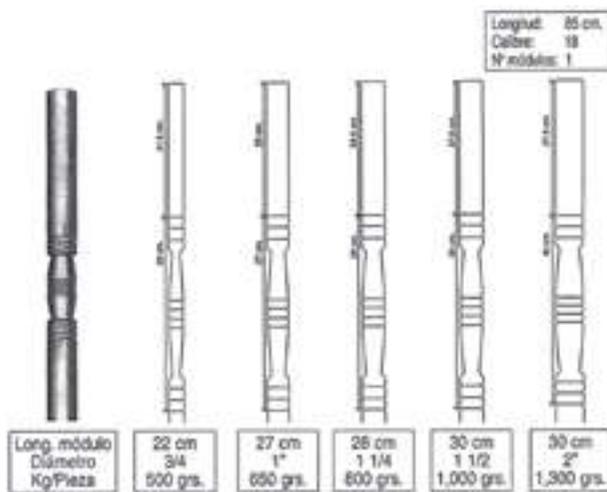
## Tubo Decorado *Trenzado*



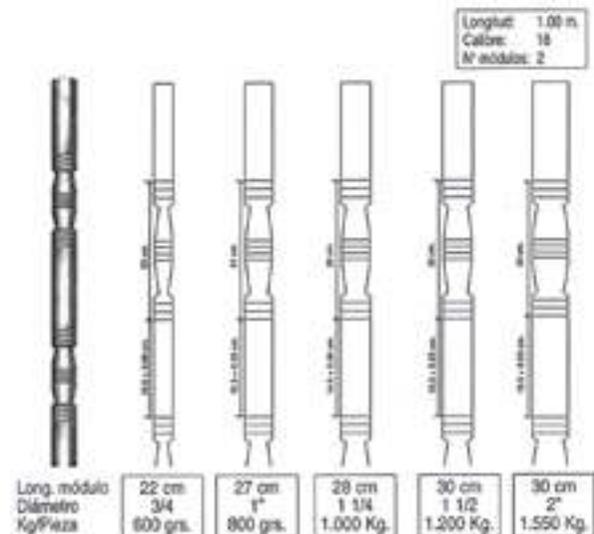
Diámetro 1" Cal. 18 0.760 Kg/m	Diámetro 1 1/4" Cal. 18 0.940 Kg/m	Diámetro 1 1/2" Cal. 18 1.170 Kg/m	Diámetro 2" Cal. 18 1.510 Kg/m
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Longitudes: 85 cm., 1.00 m., 2.00 m., 3.00 m.

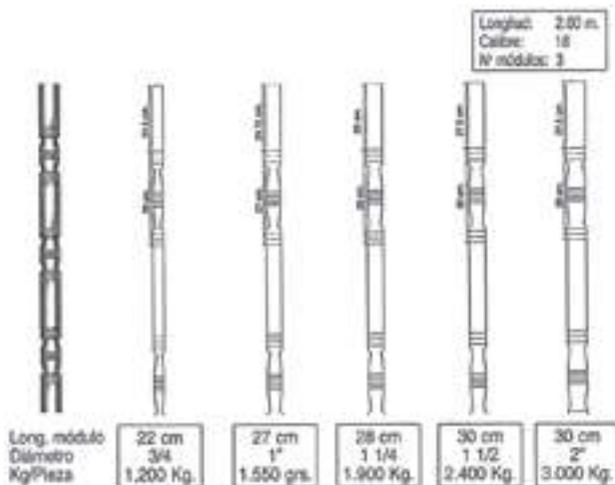
## Tubo Decorado *Modulado 0.85 mts.*



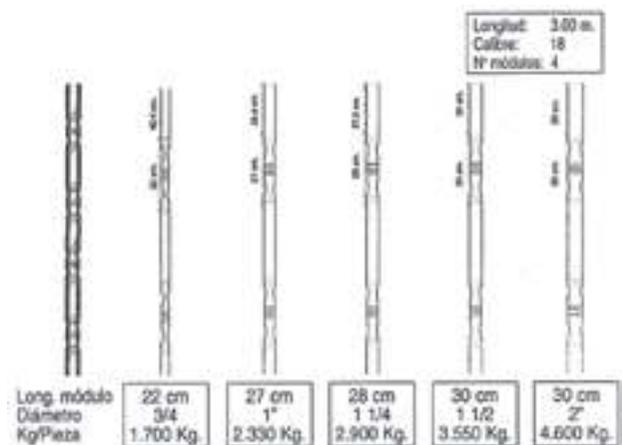
## Tubo Decorado *Modulado 1.00 mts.*



## Tubo Decorado *Modulado 2.00 mts.*



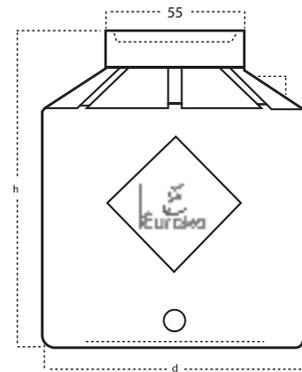
## Tubo Decorado *Modulado 3.00 mts.*



# Depósitos de agua Eureka

## Tinaco de polietileno

CAPACIDAD (lts)	DIAMETRO (m)	ALTURA (m)	PESO (kg)	NO. PERSONAS
450	0.84	1.08	11	3
600	0.94	1.11	13	4
750	0.97	1.31	16	5
1,100	1.07	1.46	19	7
2,500	1.54	1.68	40	16



# Tejas de fibrocemento Eureka

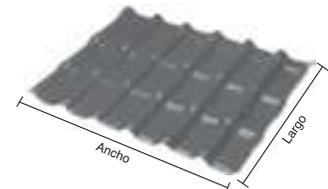
## Teja San Miguel

LARGO (m)	ANCHO (m)	AREA UTIL (m <sup>2</sup> )	ESPESOR (mm)	SEPARACION DE APOYOS (m)	PESO (kg)	COLOR	RENDIMIENTO pza/m <sup>2</sup>
1.26	0.97	1.06	5	1.14	12.81	rojo/arcilla	0.94



## Multiteja III

LARGO (m)	ANCHO (m)	AREA UTIL (m <sup>2</sup> )	ESPESOR (mm)	SEPARACION DE APOYOS (m)	PESO (kg)	COLOR	RENDIMIENTO pza/m <sup>2</sup>
0.85	1.12	0.82	4	0.75	7.83	rojo/arcilla C.I.	1.22



## Tipo Rural (P-4) TIPO RURAL (Económica)

0.60 x 1.27  
0.60 x 2.54  
0.60 x 3.81

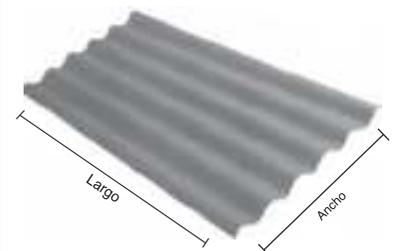
1.20 x 1.27  
1.20 x 2.54  
1.20 x 3.81



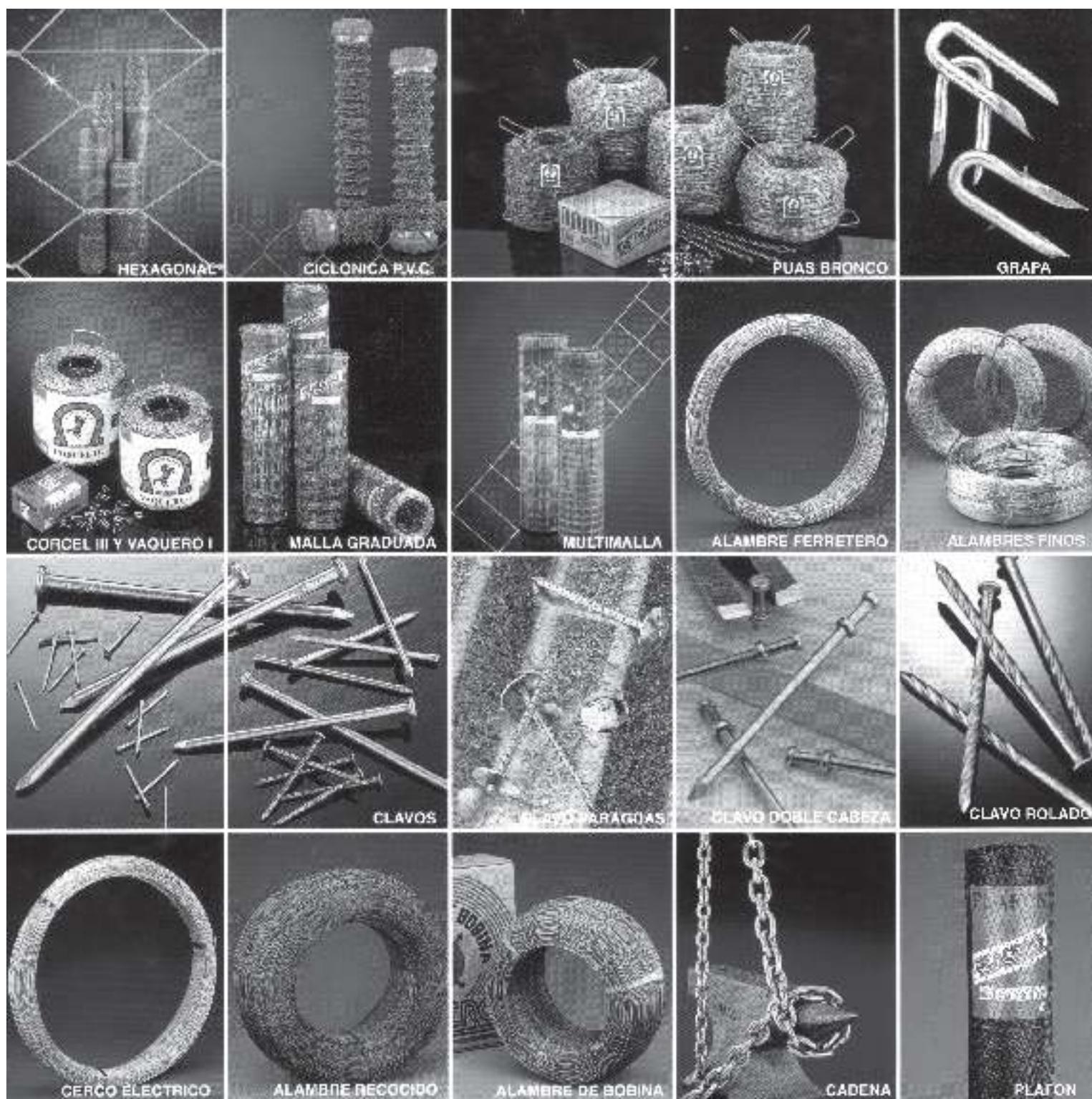
# Láminas de fibrocemento Eureka

## Estándar (P-7)

CONCEPTO	UNIDAD	L = LONGITUD DE LAMINA (METROS)							
		1.83	2.13	2.44	2.60	3.05	3.15	3.66	
Ancho total				0.975					
Peso por lámina	5.0 mm	kg	19.80	23.1	26.4	28.2	33.0	34.1	
	6.5 mm	kg	25.80	30.1	34.4	36.6	43.0	44.4	51.6
Traslape longitudinal	m	0.13	0.13	0.14	0.14	0.15	0.15	0.15	0.15
Traslape transversal	m	( una onda )							
Largo útil	m	1.70	2.00	2.30	2.46	2.90	3.00	3.51	
Ancho útil	m	0.885							
Superficie útil	m	1.50	1.77	2.03	2.18	2.56	2.65	3.10	
Peso por m útil	5.0 mm	kg	13.24	13.11	12.96	12.95	12.86	12.8	
	6.5 mm	kg	17.25	17.09	16.89	16.81	16.75	16.72	16.6
Distancia entre langueros	5.0 mm	m	0.85	1.00	1.15	0.82	0.97	1.00	
	6.5 mm	m	0.85	1.00	1.15	1.23	1.45	1.50	1.17



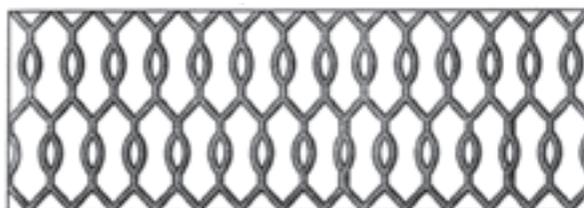
# Productos de Alambre



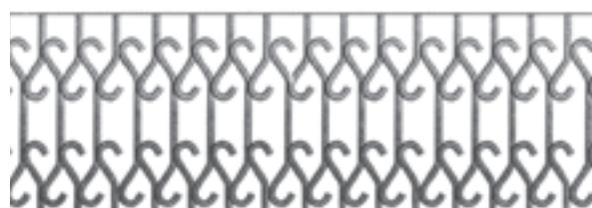
**DEACERO**

# Rejacero *Decora y Proteje*

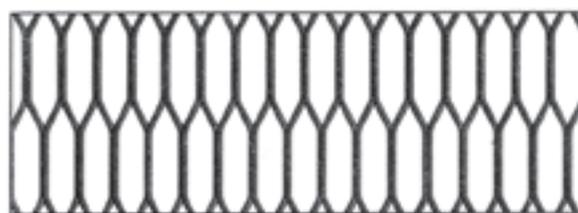
MODELO	FIGURA		PESO (Kg/m <sup>2</sup> )	MEDIDAS PARA PUERTAS	MEDIDAS PARA REJAS
	ANCHO (mm)	LARGO (mm)			
<b>Granada</b>	25	140	8.8	8' x 3' (2.44 m x .915 m)	3' x 8' (0.915 m x 2.44 m)
<b>Gótico</b>	25	100	8.8		
<b>Clásico</b>	25	133	8.8		
<b>Pacífico</b>	38	76	5.8		
<b>Inglés</b>	33	100	6.7	8' x 4' (2.44 m x 1.22 m)	4' x 8' (1.225 m x 2.44 m)
<b>Barroco</b>	25	100	8.8		
<b>Romano</b>	27	100	8.8		
<b>Florentino</b>	40	133	8.8		



**Barroco**



**Granada**



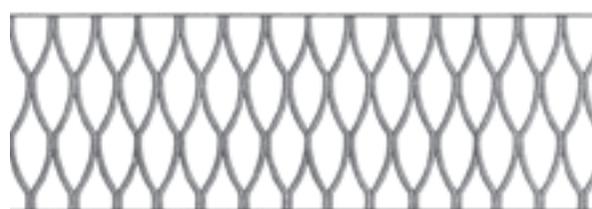
**Clásico**



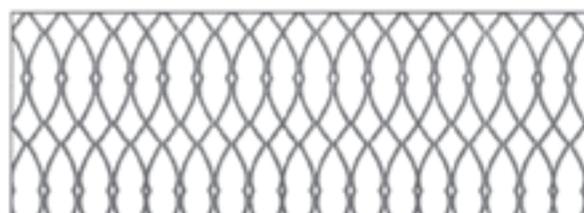
**Gótico**



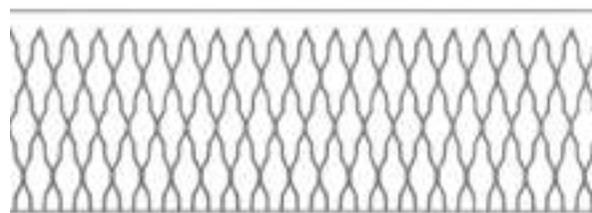
**Pacífico**



**Inglés**



**Romano**

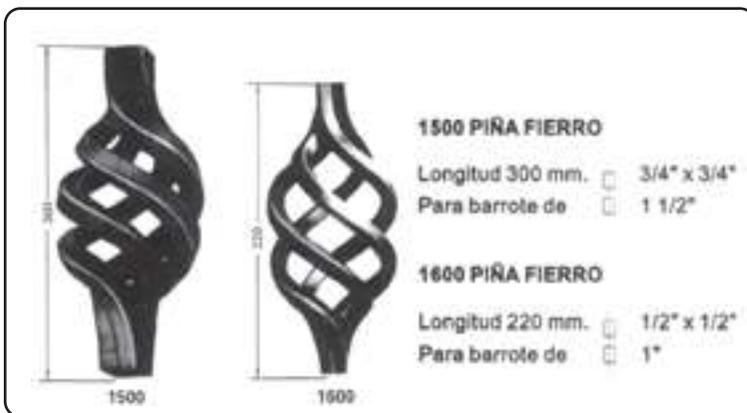


**Florentino**

# Figuras en Fierro Vaciado *Decora y Proteje*



## Piñas Forjadas



## Nudos Centrales y de una cara tipo Ingles



# Cadena de Acero *Pulida y Galvanizada*

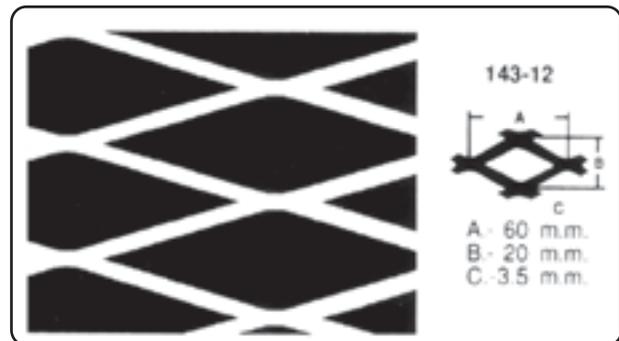
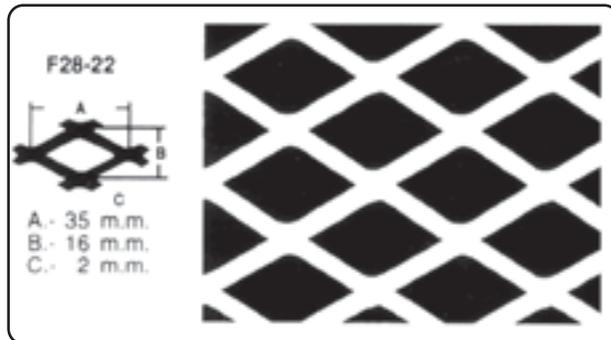
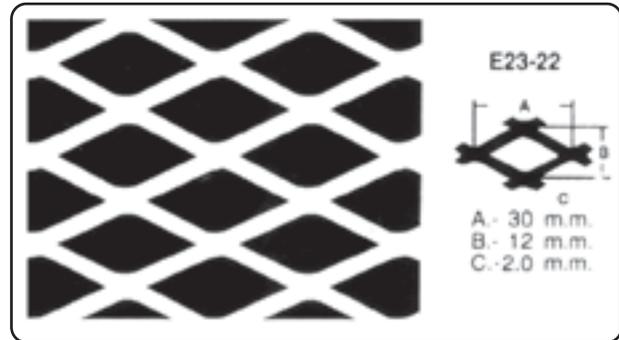
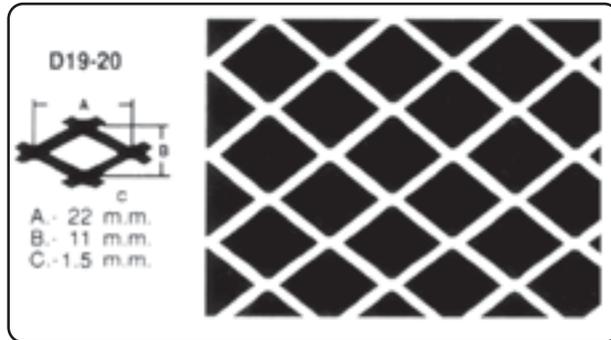
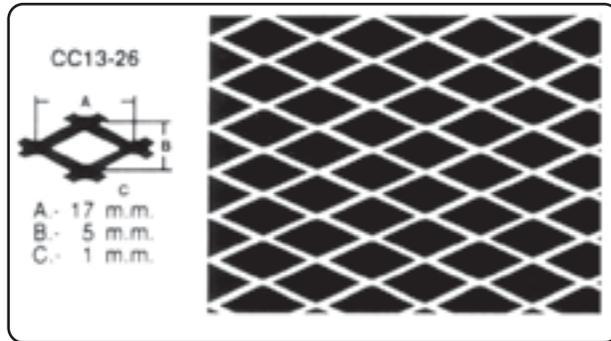
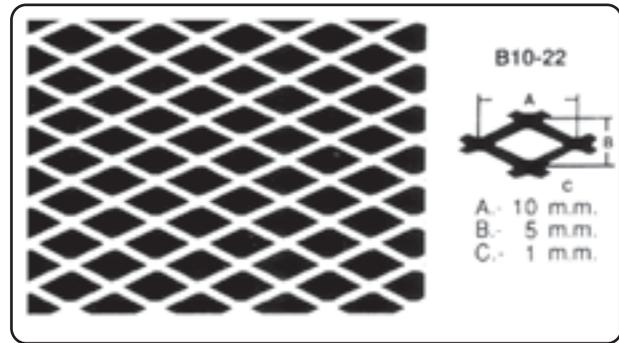
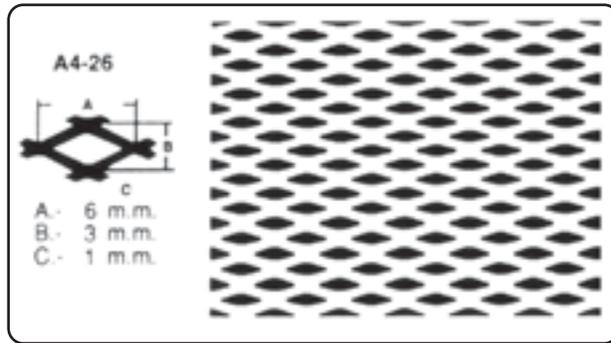


Medida Comercial		Peso Kg/m		Metros por costal 50 Kg.	
mm.	Pulg.	Pulida	Galvan.	Negra	Galvan.
5.2	3/16	0.520	0.560	96	89
6.4	1/4	0.840	0.860	60	58
7.9	5/16	1.320	1.390	38	36
9.5	3/8	1.950	2.050	25	24
11.1	7/16	2.490	2.530	20	19
12.7	1/2	3.540	3.565	14	14

# Metal Desplegado

NUMERO DE REFERENCIA	DIMENSIONES EN MTS. DIMENCIONES EN PIES	MALLA "B" x "A" mm	MALLA "B" x "A"	PULG.. CALIBRE
CC13-26	0.915 x 11.00	3' x 36.08'	5 x 17	13/64" x 21/32"
CC14-24	0.915 x 11.00	3' x 36.08'	5 x 17	13/64" x 21/32"
C12-28	0.915 x 11.00	3' x 36.08'	8 x 16	5/16" x 5/8"
C13-26	"	"	"	"
C14-24	"	"	"	"
C15-22	"	"	"	"
C16-20	"	"	"	"
D16-26	0.915 x 11.00	3' x 36.08'	11 x 22	7/16" x 7/8"
D17-24	"	"	"	"
D18-22	"	"	"	"
D19-20	"	"	"	"
D20-18	"	"	"	"
D21-16	"	"	"	"
E21-26	0.915 x 11.00	3' x 36.08'	12 x 30	1/2" x 1 3/16"
E22-24	"	"	"	"
E23-22	"	"	"	"
E24-20	"	"	"	"
E25-18	"	"	"	"
E26-16	"	"	"	"
E27-14	"	"	"	"
F27-24	0.915 x 11.00	3' x 36.08'	16 x 35	5/8" x 1 3/8"
F28-22	"	"	"	"
F29-20	"	"	"	"
F30-18	"	"	"	"
F31-16	"	"	"	"
F32-14	"	"	"	"
G31-22	0.915 x 11.00	3' x 36.08'	20 x 40	3/4" x 1 9/16"
G32-20	"	"	"	"
G33-18	"	"	"	"
G34-16	"	"	"	"
G35-14	"	"	"	"
H36-20	0.915 x 11.00	3' x 36.08'	25 x 50	1" x 2"
H37-18	"	"	"	"
H38-16	"	"	"	"
H39-14	"	"	"	"
H40-12	"	"	"	"
I40-18	0.915 x 11.00	3' x 36.08'	20 x 60	3/4" x 2 3/8"
I41-16	"	"	"	"
I42-14	"	"	"	"
I43-12	"	"	"	"
J45-16	0.915 x 11.00	3' x 36.08'	35 x 70	1 3/8" x 2 3/4"
J46-14	"	"	"	4"
J47-12	"	"	"	"
J48-10	"	"	"	"

# Metal Desplegado *Metal Red*



# Malla Soldada de Acero *Electromalla*

NUMERO COMERCIAL /CALIBRE	CARACTERISTICAS				
	DEL ALAMBRE		DE LA MALLA		Rollo Peso X
	DIAM. MM.	AREA cm <sup>2</sup>	AREADE ACERO CM <sup>2</sup> /M	PESO kg/M <sup>2</sup>	
66- 4 4	5.72	0.26	1.69	2.690	257 kg.
66- 6 6	4.88	0.19	1.23	1.950	187 kg.
66- 8 8	4.11	0.13	0.87	1.390	130 kg.
66- 1010	3.43	0.09	0.61	0.966	93 kg.

## Varrilla

CALIBRE PULGADAS	No DE DESIGNACION	PESO NOMINAL EN Kg / M	AREA SECCION TRANSVERSAL MM <sup>2</sup>	PERIMETRO MM	NUM.APROX DE VARRILLA 12 MTS. /TON
5/16	2.5	0.384	49	24.8	217
3/8	3	0.560	71	29.8	149
1/2	4	0.994	127	39.9	84
5/8	5	1.552	198	50.0	54
3/4	6	2.250	285	60.0	37
1	8	3.973	507	79.8	21
1 1/4	10	6.225	794	99.9	14
1 1/2	12	8.938	1140	119.7	10

## Alambrón

DIAMETRO MILIMETROS	EQUIVALENCIA DECIMAL EN PULGADAS	Kg./mt
5.5	0.218	0.186
6.3	0.250	0.240
7.0	0.276	0.300
8.0	0.315	0.390
9.5	0.374	0.560
10.0	0.394	0.646
11.0	0.434	0.746
12.0	0.473	0.890
12.7	0.500	0.990

## Alambre *Galvanizado y Negro*



Calibre	Diámetro en mm.	metros en 1 Kg.
2	7.213	3.14
4	6.045	4.47
6	5.156	6.14
8	4.191	9.29
10	3.404	14.09
12	2.769	21.29
14	2.108	36.73
16	1.651	59.88
18	1.245	105.13
20	0.889	206.76
22	0.711	323.00

## Alambre Recocido

No. 16 EN ROLLOS DE 100 KILOS APROX.

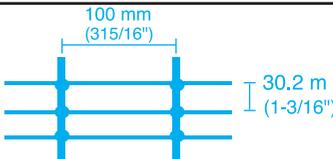
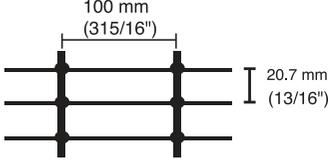
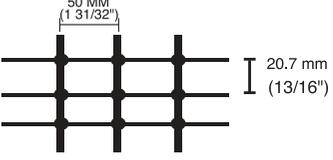
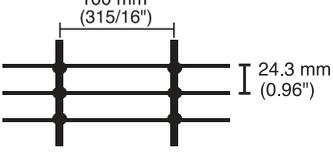
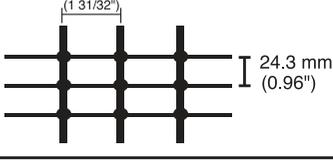
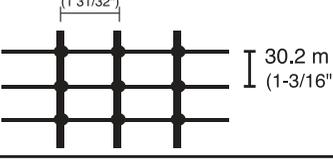
# Rejillas Industriales *Irving*

## PESO APROXIMADO DE REJILLA DE ACERO ELECTROFORJADA

Kg/m<sup>2</sup>

SOLERAS DE CARGA		IS-01	IS-02	IS-03	IS-04	IS-05 STANDARD	IS-06
milímetros	pulg						
3.2 x 19.1	1/8" x 3/4"	26.2	29.1	22.9	25.8	19.1	22
3.2 x 25.4	1/8" x 1"	33.9	36.9	29.5	32.4	24.4	27.4
3.2 x 31.8	1/8" x 1-1/4"	41.7	44.6	36.1	39.1	29.8	32.8
3.2 x 38.1	1/8" x 1-1/2"	49.4	52.4	42.8	45.7	35.2	38.1
4.8 x 19.1	3/16" x 3/4"	37.8	40.7	32.8	35.8	27.1	30.1
4.8 x 25.4	3/16" x 1"	49.4	52.4	42.8	45.7	35.2	38.1
4.8 x 31.8	3/16" x 1-1/4"	61.1	64	52.7	55.7	43.3	46.2
4.8 x 38.1	3/16" x 1-1/2"	72.7	75.6	62.7	65.7	51.3	54.3
4.8 x 44.4	3/16" x 1-3/4"	84.6	87.8	72.9	76.2	59.7	62.9
4.8 x 50.8	3/16" x 2"	96.2	99.4	82.9	86.1	67.7	70.9
4.8 x 57.1	3/16" x 2-1/4"	107.8	111	92.9	96.1	75.8	79
4.8 x 63.5	3/16" x 2-1/2"	119.4	122.6	102.8	106	83.9	87.1

Tamaño de tableros: IS-01 e IS-02: 0.583 x 6.000 m; IS-03 e IS-04: 0.806 x 6.000 m; IS-01, IS-05 e IS-06: 1.00 x 6.000 m.

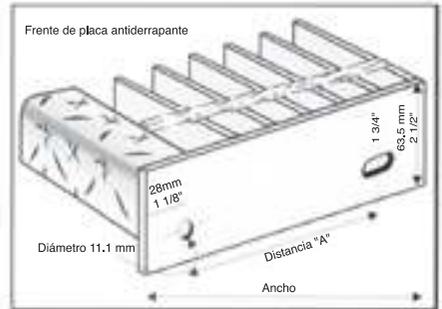
	TIPOS	APLICACION
STANDARD	<p>IS-05*</p> 	Recomendada para todo tipo de uso.
FABRICACION ESPECIAL	<p>IS-01*</p> 	Con menor espacio entre soleras. Recomendable para tráfico pesado o donde se requiera rejilla cerrada.
	<p>IS-02*</p> 	Con menor espacio entre soleras y varillas. Se utiliza en casos donde se requiera un mínimo espacio abierto.
	<p>IS-03*</p> 	Menor espacio entre soleras que el tipo IS-05. 18% mayor capacidad de carga y peso específico.
	<p>IS-04*</p> 	Igual al tipo IS-03, pero con varillas transversales a menor distancia.
	<p>IS-06*</p> 	Igual al tipo IS-05, pero con varillas transversales a menor distancia.

# Escalón Industrial *Irving*



## USOS Y APLICACIONES

Se recomiendan para escaleras que requieran de máxima seguridad y escaleras de emergencia. Su superficie antiderrapante, reduce los resbalones y caídas en áreas críticas.



### TABLA DE ANCHOS

Usando soleras de 3.2 mm (1/8") de grueso	Usando soleras de 4.8 mm (3/16") de grueso	Distancia "A" entre barrenos
219 mm (8-5/8")	220 mm (8-11/16")	114 mm (4 1/2")
249 mm (9-13/16")	250 mm (9-7/8")	178 mm (7")
279 mm (11 ")	281 mm (11-1/16")	178 mm (7")
310 mm (127/32")	311 mm (12-1/4")	178 mm (7")

# Rejilla Luver *para cuartos de máquinas*

## Usos

- Cuartos de máquinas
- Restaurantes
- Hoteles
- Divisiones
- Plantas de Luz
- Industrias en general

MEDIDA	CALIBRE	KG/PZA
3.05 m.	18	3.100
2.44 m.	18	2.600



Se surte en tramos de 3.05 y 2.44 m. Calibre 18 Negra y Galvanizada.

## BOTAGUAS

2"	Peso Kg. 3.5	2 1/2"	Peso Kg. 4.4	3"	Peso Kg. 4.8	1"	Peso Kg. 2.3	1 1/4"	Peso Kg. 2.7	1 1/2"	Peso Kg. 2.9

# Información Técnica

EQUIVALENCIAS DE FRACCIONES A DECIMALES DE PULGADAS Y CONVERSION A MILIMETROS					
FRACC. DE PULGADAS	DECIMALES DE PULGADA	M.M.	FRACC. DE PULGADAS	DECIMALES DE PULGADA	M.M.
1/64	0.015625	0.39688	33/64	0.515625	13.09693
1/32	0.03125	0.79375	17/32	0.53125	13.49380
3/64	0.046875	1.19063	35/64	0.546875	13.89068
1/16	0.0625	1.58751	9/16	0.5625	14.28756
5/64	0.078125	1.98438	37/64	0.578125	14.68443
3/32	0.09375	2.38126	19/32	0.59375	15.08131
7/64	0.109375	2.77814	39/64	0.609375	15.47819
1/8	0.125	3.17501	5/8	0.625	15.87506
9/64	0.140626	3.57189	41/64	0.640625	16.27194
5/32	0.15625	3.96877	21/32	0.65625	16.66882
11/64	0.171875	4.36564	43/64	0.671875	17.06569
3/16	0.1875	4.76252	11/16	0.6875	17.46257
13/64	0.203125	5.15940	45/64	0.703125	17.85945
7/32	0.21875	5.55627	23/32	0.71875	18.25632
16/64	0.234375	5.95315	47/64	0.734375	18.65320
1/4	0.25	6.35003	3/4	0.75	19.05008
17/64	0.265625	6.74690	49/64	0.765625	19.44695
9/32	0.28125	7.14378	25/32	0.78125	19.84383
19/64	0.296875	7.54065	51/64	0.796875	20.24070
5/16	0.3125	7.93753	13/16	0.8125	20.63758
21/64	0.328125	8.33441	53/64	0.828125	21.03446
11/32	0.34375	8.73128	27/32	0.84375	21.43133
11/32	0.359375	9.12816	55/64	0.859375	21.82821
3/8	0.375	9.52504	7/8	0.875	22.22509
25/64	0.390625	9.92191	57/64	0.890625	22.62196
13/32	0.40625	10.31879	29/32	0.90625	23.01884
27/64	0.421875	10.71567	59/64	0.921875	23.41572
7/16	0.4375	11.11254	15/16	0.9375	23.81259
29/64	0.453125	11.50942	61/64	0.953125	24.20947
15/32	0.46875	11.90630	31/32	0.96875	24.60635
31/64	0.484375	12.30317	63/64	0.984375	25.00322
1/2	0.5	12.70005	1	1.0	25.40010

## Factores de Conversión

Multiplicar	por	para obtener	Multiplicar	por	para obtener
Milésimas de Pulg.	0.001	pulg.	Metros	3.281	pies
Milésimas de Pulg.	0.02540	mm	Metros	1.0936	yardas
Pulgadas	1.000	milésimos de Pulg.	Kilómetros	0.6214	millas
Pulgadas	25.40	mm	Milésimas de Pulg. <sup>2</sup>	0.000001	pulg. <sup>2</sup>
Pulgadas	2.540	cm	Pulgadas <sup>2</sup>	1.000.000	milésimos de Pulg. <sup>2</sup>
Pulgadas	0.02540	metros	Pulgadas <sup>2</sup>	645.2	mm <sup>2</sup>
Pies	30.48	cm	Pulgadas <sup>2</sup>	6.452	cm <sup>2</sup>
Pies	0.3048	metros	Pies <sup>2</sup>	0.09290	m <sup>2</sup>
Yardas	0.9144	metros	Milímetros <sup>2</sup>	0.0015500	pulg. <sup>2</sup>
Millas	1.6093	km	Centímetros <sup>2</sup>	0.15500	pulg. <sup>2</sup>
Milímetros	39.37	mm de pulg.	Metros <sup>2</sup>	10.764	pulg. <sup>2</sup>
Milímetros	0.03937	pulg.	Libras	0.4536	kg
Centímetros	0.3937	pulg.	Libras por Pulg. <sup>2</sup>	0.07031	kg por cm <sup>2</sup>
Centímetros	0.03281	Pies	Kilogramos	2.2046	libras
Metros	39.37	Pulg.	Kg por cm <sup>2</sup>	14.223	lbs por pulg. <sup>2</sup>