

CATÁ LOGO 2014



COMPAÑÍA
LAMINADORA VISTA HERMOSA

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TABLA DE ESPECIFICACIONES

MEDIDA		Kg./M	Kg. / 6 M
PULGADAS	MILÍMETROS		
1/8 X 3/4"	3.2 X 19.1	0.9	5.4
1/8 X 1"	3.2 X 25.4	1.2	7.2
1/8 X 1 1/4"	3.2 X 31.7	1.5	9
1/8 X 1 1/2"	3.2 X 38.1	1.85	11
1/8 X 2"	3.2 X 50.8	2.5	15
3/16 1"	4.8 X 25.4	1.73	10.38
3/16 X 1 1/4"	4.8 X 31.7	2.2	13.2
3/16 X 1 1/2"	4.8 X 38.1	2.68	16.08
3/16 X 2"	4.8 X 50.8	3.63	21.78
3/16 X 2 1/2"	4.8 X 63.5	4.6	27.6
3/16 X 3"	4.8 X 76.2	5.52	33.12
1/4 X 1"	6.3 X 25.4	2.22	13.32
1/4 X 1 1/4"	6.3 X 31.7	2.86	17.16
1/4 X 1 1/2"	6.3 X 38.1	3.49	20.94
1/4 X 2"	6.3 X 50.8	4.75	28.5
1/4 X 2 1/2"	6.3 X 63.5	6.1	36.6
1/4 X 3"	6.3 X 76.2	7.29	43.74
1/4 X 4"	6.3 X 101.6	10	60
5/16 X 1 1/2"	7.9 X 38.1	4.3	25.8
5/16 X 2"	7.9 X 50.8	5.84	35.04
5/16 X 2 1/2"	7.9 X 63.5	7.44	44.64
5/16 X 3"	7.9 X 76.2	9.08	54.48
5/16 X 4"	7.9 X 101.6	12.2	73.2

TABLA DE ESPECIFICACIONES

MEDIDA		Kg./M	Kg. / 6 M
PULGADAS	MILÍMETROS		
3/8 X 2"	9.5 X 50.8	6.99	41.94
3/8 X 2 1/2"	9.5 X 63.5	8.79	52.74
3/8 X 3"	9.5 X 76.2	10.72	64.32
3/8 X 4"	9.5 X 101.6	14.6	87.6
3/8 X 6"	9.5 X 152	22.17	133.02
3/8 X 6 X 4"	9.5 X 152 X 101	18.3	111.6
1/2 X 3"	12.7 X 76.2	13.99	83.94
1/2 X 4"	12.7 X 101.6	19	114
1/2 X 6"	12.7 X 152	29.17	175.02
1/2 X 6 X 4"	12.7 X 152 X 101	22	132
5/8 X 3"	15.9 X 76.2	17.2	103.2
5/8 X 4"	15.9 X 101.6	23.4	140.4
5/8 X 6"	15.9 X 152	36.01	216.06
3/4 X 4"	19.1 X 101.6	27.6	165.6
3/4 X 6"	19.1 X 152	42.71	256.26
1 X 6"	25.4 X 152	55.7	334.2

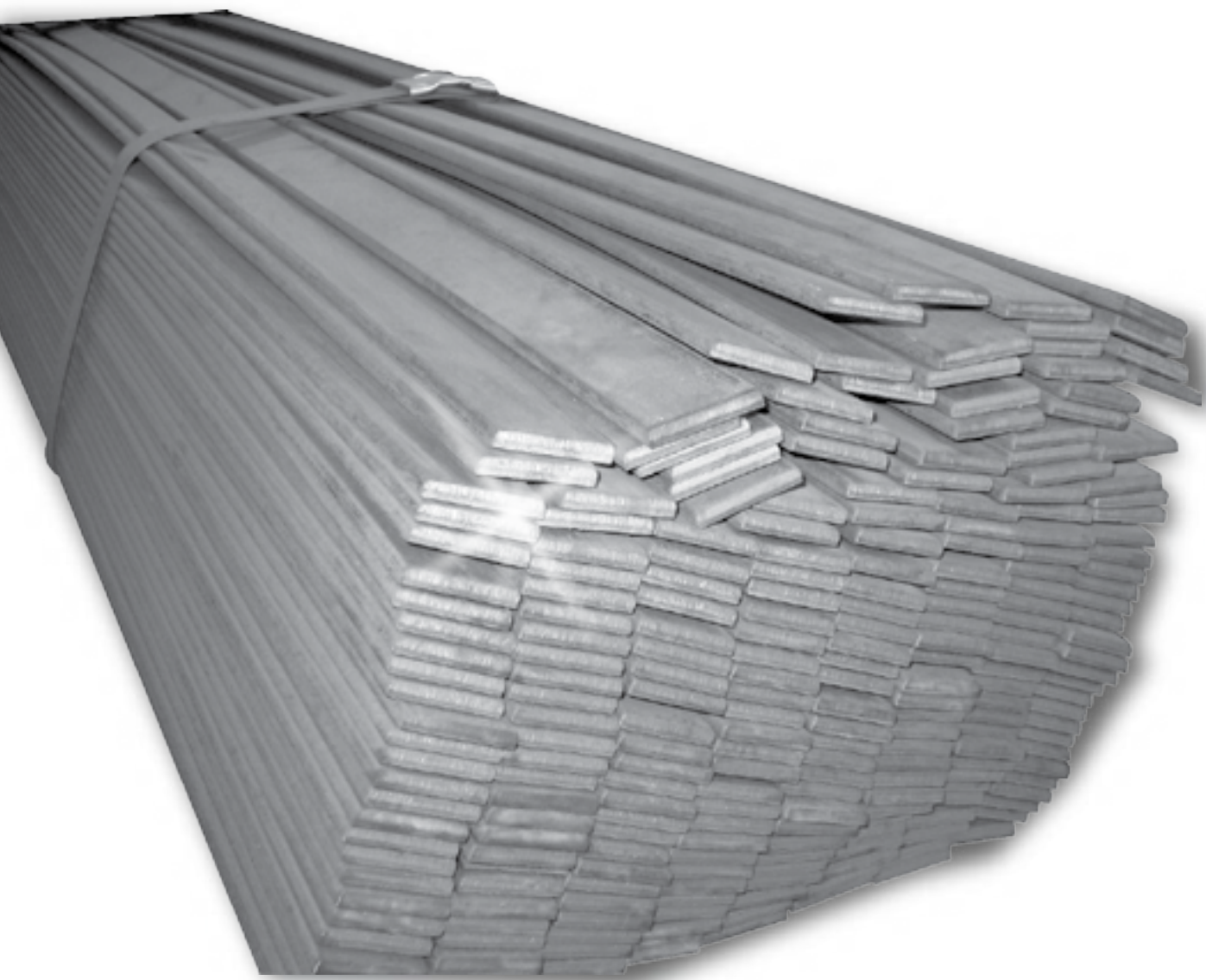


TABLA DE ESPECIFICACIONES

MEDIDA		Kg./M	Kg. / 6 M
PULGADAS	MILÍMETROS		
1/8 X 1/2"	3 X 13	0.3	1.8
1/8 X 3/4"	3 X 19	0.48	2.9
1/8 X 1"	3 X 25	0.64	3.9
1/8 X 1 1/4"	3 X 32	0.8	4.8
1/8 X 1 1/2"	3 X 38	1	6
1/8 X 2"	3 X 51	1.3	7.8
3/16 X 1/2"	5 X 13	0.5	3
3/16 X 3/4"	5 X 19	0.71	4.26
3/16 X 1"	5 X 25	1	6
3/16 X 1 1/4"	5 X 32	1.2	7.2
3/16 X 1 1/2"	5 X 38	1.5	9
3/16 X 2"	5 X 51	1.9	11.4
3/16 X 2 1/2"	5 X 64	2.4	14.4
1/4 X 1/2"	6 x 13	0.5	3
1/4 X 3/4"	6 x 19	1	6
1/4 X 1"	6 x 25	1.3	7.8
1/4 X 1 1/4"	6 x 32	1.6	9.6
1/4 X 1 1/2"	6 x 38	1.9	11.4
1/4 X 2"	6 x 51	2.6	15.6
1/4 X 2 1/2"	6 x 64	3.2	19.2
1/4 X 3"	6 x 76	3.3	22.8
1/4 x 4"	6 x 101	5	30
1/4 x 5"	6 x 125	6.4	38.4
1/4 x 6"	6 x 151	7.6	45.6
1/4 x 8"	6 x 203	10.1	60.6
1/4 x 10"	6 x 254	12.6	75.6
5/16 X 1"	8 X 25	1.6	9.6
5/16 X 1 1/4"	8 X 32	2	12
5/16 X 1 1/2"	8 X 38	2.4	14.4
5/16 X 2"	8 X 51	3.2	19.2
5/16 X 3"	8 X 76	4.8	28.8
5/16 X 4"	8 X 101	6.4	38.4
5/16 X 6"	8 X 151	9.5	57
5/16 X 8"	8 X 203	12.6	75.6
5/16 X 10"	8 X 254	15.7	94.2

TABLA DE ESPECIFICACIONES

MEDIDA		Kg./M	Kg. / 6 M
PULGADAS	MILÍMETROS		
3/8 X 1"	9 X 25	1.9	11.4
3/8 X 1"	9 X 32	2.4	14.4
3/8 X 1 1/2"	9 X 38	2.9	17.4
3/8 X 2"	9 X 51	3.8	22.8
3/8 X 2 1/2"	9 X 64	4.8	28.8
3/8 X 3"	9 X 76	5.7	34.2
3/8 X 4"	9 X 101	7.6	45.6
3/8 X 5"	9 X 125	9.5	57
3/8 X 6"	9 X 151	11.4	68.4
3/8 X 8"	9 X 203	15.2	91.2
3/8 X 10	9 X 254	19	114
1/2 X 1"	13 X 25	2.6	15.6
1/2 X 1 1/4"	13 X 32	3.2	19.2
1/2 X 1 1/2"	13 X 38	3.8	22.8
1/2 X 2"	13 X 51	5.1	30.6
1/2 X 2 1/2"	13 X 64	6.4	38.4
1/2 X 3"	13 X 76	7.6	45.6
1/2 X 4"	13 X 101	10.2	61.2
1/2 X 5"	13 X 125	12.7	76.2
1/2 X 6"	13 X 151	15.2	91.2
1/2 X 8"	13 X 203	20.2	121.2
1/2 X 10"	13 X 254	25.2	151.2
5/8 X 4"	15 X 101	11.4	76.2
5/8 X 5"	15 X 125	15.9	95.4
5/8 X 6"	15 X 151	19	114
5/8 X 8"	15 X 203	25.3	151.8
5/8 X 10"	15 X 254	31.6	189.6
3/4 X 4"	19 X 101	15.9	91.2
3/4 X 5"	19 X 125	19	114
3/4 X 6"	19 X 151	22.8	136.8
3/4 X 8"	19 X 203	30.4	182.4
3/4 X 10"	19 X 254	38	228
1 X 4"	25 X 101	20.3	121.8
1 X 5"	25 X 125	25.3	151.8
1 X 6"	25 X 151	30.4	182.4
1 X 8"	25 X 203	40.54	243.24
1 X 10"	25 X 254	50.68	304.08

TABLA DE ESPECIFICACIONES			
MEDIDA		Kg./M	Kg. / 6 M
PULGADAS	MILÍMETROS		
3/8"	9.5	0.6	3.6
1/2"	12.7	1	6
5/8"	15.8	1.6	9.6
3/4"	19	2.3	13.8
7/8"	22.2	3	18
1"	25.4	3.9	23.4
1 1/8"	28.5	5	30
1 1/4"	31.7	6.2	37.2
1 1/2"	38.1	8.9	53.4
2"	50.8	16	96



TABLA DE ESPECIFICACIONES			
MEDIDA		Kg./M	Kg. / 6 M
PULGADAS	MILÍMETROS		
3/8"	9.5	0.7	4.2
1/2"	12.7	1.265	7.6
5/8"	15.8	1.95	11.7
3/4"	19	2.9	17.4
7/8"	22.2	3.9	23.4
1"	25.4	5	30
1 1/4"	31.7	7.9	47.4
1 1/2"	38.1	11.4	68.4
1 3/4"	44.4	15.5	93
2"	50.8	20.3	121.8





TABLA DE ESPECIFICACIONES

CALIBRE			
3/8"	1/2"	5/8"	3/4"

PROPIEDADES DE CANAL "U"

PERALTE		PATÍN		ALMA mm. (C)	PESO Kg./m.
Pulg. (A)	mm. (A)	ANCHO mm. (B)	ESPESOR mm. (B)		
3	76.2	35.8	6.9	4.3	6.10
4	101.6	40.1	7.5	4.6	8.04
6	152.4	48.8	8.7	5.0	12.20
6	152.4	52.0	8.7	7.9	15.63
6	152.4	55.0	8.7	11.1	19.35
8	203.2	57.9	9.9	5.5	17.11
8	203.2	60.0	9.9	7.6	20.46
8	203.2	64.0	9.9	12.3	27.90
10	254	66.0	11.0	6.0	22.76
10	254	70.0	11.0	9.6	29.76
10	254	73.0	11.0	13.3	37.20
10	254	77.0	11.0	17.0	44.64
12	304.8	75.0	12.7	7.1	30.80
12	304.8	77.0	12.7	9.8	37.20
12	304.8	81	12.7	12.9	44.64



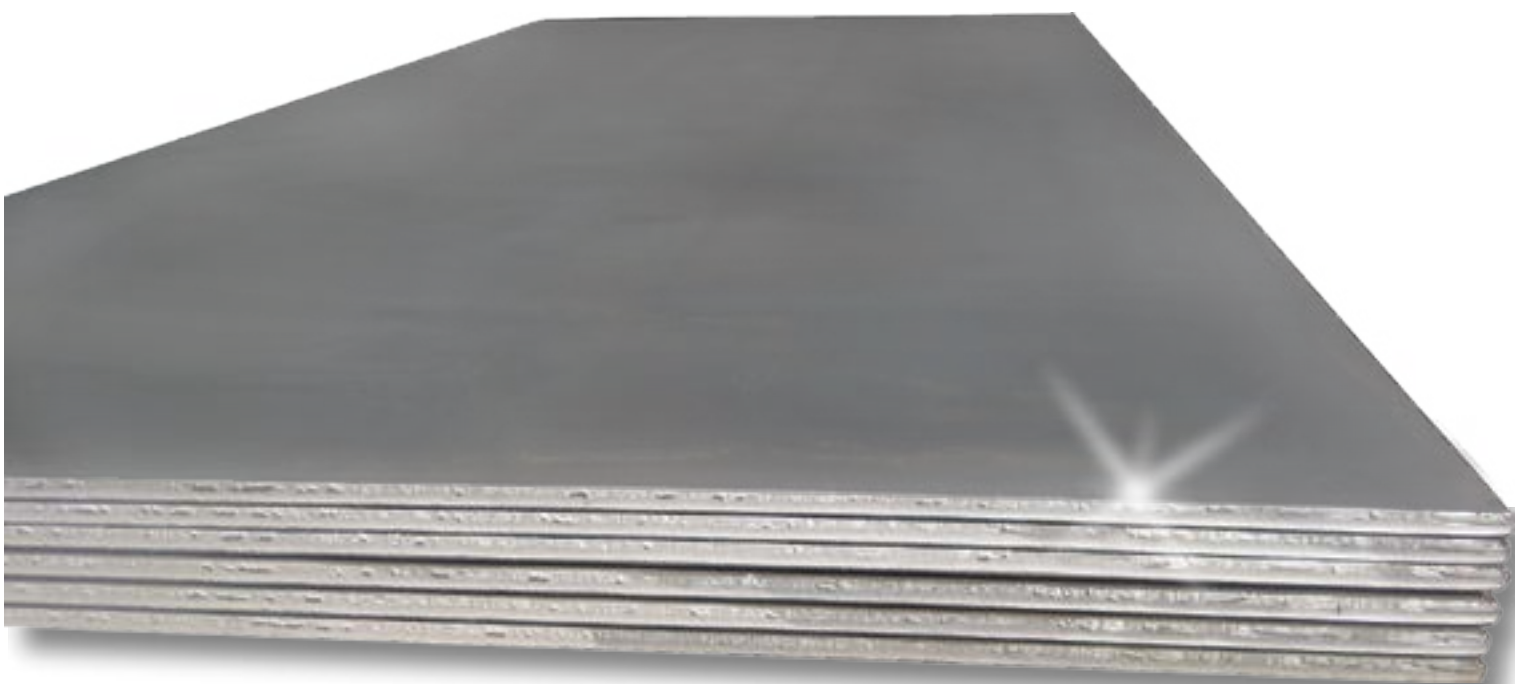
PROPIEDADES DE VIGA IPS

PERALTE		PATÍN	ESPESOR DE ALMA mm. (C)	PESO Kg
Pulg. (A)	mm.	ANCHO mm (B)		
3	76.2	59.2	4.3	8.48
4	101.6	67.6	4.8	11.46
5	126.2	75.0	5.4	14.72
6	152.4	84.6	5.8	18.6
8	203.2	92.3	6.9	27.38



TABLA DE ESPECIFICACIONES

MATERIAL	MEDIDA	mm.	Kg/m.	Kg/6m
TEE	1/8 X 1"	3 X 25	1.4	8.4
TEE	1/8 X 3/4"	3 X 19	1	6
ZETA	1/8 X 1"	3 X 25	1.6	9.6



PESOS POR PLACA EN KILOGRAMOS

MEDIDA		1"	7/8"	3/4"	5/8"	1/2"	3/8"	5/16"	1/4"	3/16"
Pies	Metros	25.4	22.2	19.1	15.9	12.7	9.5	7.9	6.4	4.8
		mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
3 X 6	(.914 X 1.83)	333	291	250	208	167	125	104	83	62
3 X 8	(.914 X 2.44)	444	389	333	278	222	167	139	111	83
3 X 10	(.914 X 3.05)	555	486	416	347	278	208	173	139	104
4 X 8	(1.22 X 2.44)	592	518	444	370	296	222	185	148	111
4 X 10	(1.22 X 3.05)	740	648	555	463	370	278	231	185	139
4 X 20	(1.22 X 6.10)	1480	1296	1110	926	740	556	462	370	278
5 X 10	(1.52 X 3.05)	925	810	694	578	463	347	289	231	174
5 X 15	(1.52 X 4.57)	1388	1214	1041	867	694	520	434	347	260
5 X 20	(1.52 X 6.10)	1850	1619	1388	1157	925	694	578	463	347
6 X 10	(1.83 X 3.05)	1110	972	833	694	555	417	347	278	208
6 X 20	(1.83 X 6.10)	2220	1943	1665	1388	1110	833	694	555	416
8 X 20	(2.44 X 6.10)	2960	2592	2220	1852	1480	1112	924	740	556
Kg x M ²		199.18	174.38	149.38	124.49	99.59	74.69	62.24	49.79	37.35
Kg x pies ²		18.504	16.191	13.878	11.565	9.252	6.939	5.783	4.626	3.47



PROPIEDADES DE VIGA IPR

PERFIL mm.	PESO Kg./m	PERALTE mm.	MILÍMETROS		ESPESOR DEL ALMA mm.
			ANCHO mm.	ESPESOR mm.	
6 X 4"	13.4	149	100	5.46	4.31
152 X 102	17.9	152	102	7.1	5.8
	23.8	159	102	10.3	6.6
	22.4	206	102	8	6.2
8 X 4"	14.9	201	100	5.2	4.3
203 X 102	19.4	203	102	6.5	5.8
	22.4	254	102	6.8	5.8
	25.5	257	102	8.4	6.1
8 X 5 1/4"	26.9	206	133	8.38	5.84
203 X 133	31.3	210	133	10.16	6.35
	17.9	251	100	5.2	4.6
	22.4	254	102	6.8	5.8
254 X 102	25.5	257	102	8.4	6.1
	28.3	260	102	10	6.4
	32.8	258	146	9.14	6.09
	38.7	262	146	11.17	6.6
10 X 5 3/4"	44.7	265	147	12.95	7.62
	20.9	302	100	5.7	5.1
	23.8	304	101	6.73	5.58
305 X 102	28.3	309	102	8.9	6.1
	32.8	313	102	10.8	6.6
	38.7	310	164	9.65	5.84
12 X 6 1/2"	44.7	313	165	11.17	6.6
	52.2	317	166	13.2	7.62
	59.6	303	203	13.1	7.5
305 X 203	67.1	306	204	14.6	8.5
	74.5	309	205	16.3	9.4
	44.7	352	171	9.7	6.9
14 X 6 3/4"	50.7	356	171	11.5	7.3
	56.6	359	172	13	7.9
	64.1	347	203	13.4	7.8
356 X 203	71.5	351	204	15.1	8.6
	79	364	205	16.7	9.4
	53.6	403	177	10.9	7.6
406 X 178	59.6	406	178	12.7	7.8
	67.1	409	179	14.3	8.8
	74.5	413	180	15.9	9.6
	96.9	466	192	19.5	11.43
460 X 188	105.6	469	193	20.57	12.57
18 X 11"	113.2	462	280	17.27	10.79
460 X 275	128.1	467	281	19.55	12.19
	144.3	472	283	22.09	13.58
	157.7	475	284	23.87	14.98
	177.3	481	286	26.92	16.63

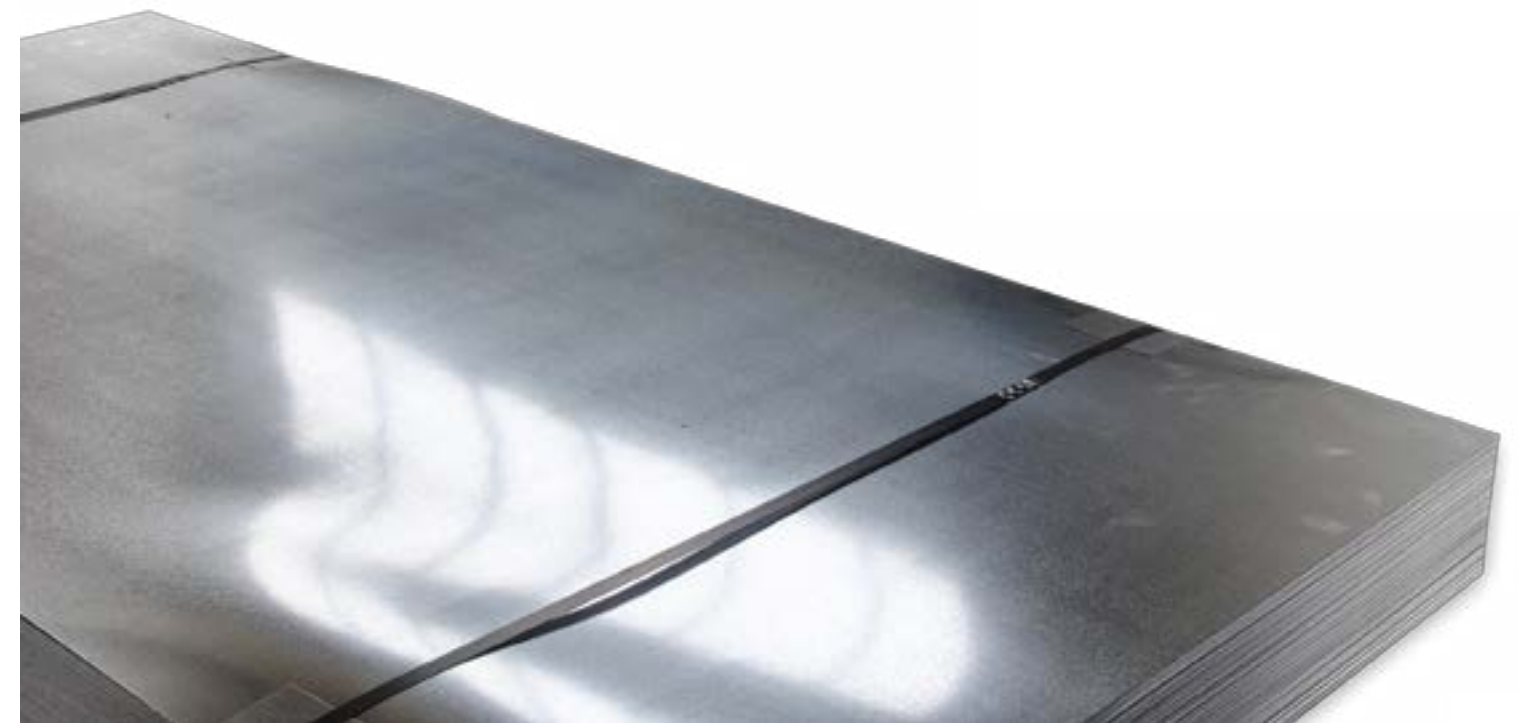
TABLA DE ESPECIFICACIONES

CALIBRE	PULG.	mm	3' x 6'	3' x 8'	3' x 10'	4' x 8'	4' x 10'	kg/m2
10	0.135	3.43	45.03	60.05	75.06	80.06	100.08	26.79
1/8	0.125	3.18	41.70	55.60	69.50	74.13	92.66	24.90
11	0.120	3.05	40.03	57.37	66.72	71.17	88.96	23.82
12	0.105	2.67	35.03	46.70	58.38	62.27	77.84	20.84
12	0.090	2.29	35.03	40.03	50.04	53.37	66.72	17.87
14	0.075	1.91	25.02	33.36	41.70	44.48	55.60	14.88
16	0.060	1.52	20.02	26.69	33.36	35.58	44.48	11.91
18	0.048	1.22	16.01	21.35	26.69	28.47	35.58	9.52
20	0.036	0.91	12.01	16.01	20.02	21.35	26.69	7.15
22	0.030	0.76	10.01	13.34	16.68	17.79	22.24	5.96
24	0.024	0.61	8.01	10.67	13.34	14.23	17.79	4.76
26	0.018	0.46	6.00	8.01	10.01	10.67	13.34	3.57
27	0.016	0.41	5.34	7.12	8.90	9.49	11.86	3.27
28	0.015	0.38	5.00	6.67	8.34	8.90	11.12	2.97
29	0.014	0.36	4.67	6.23	7.78	8.30	10.38	2.69
30	0.012	0.30	4.00	5.34	6.67	7.12	8.90	2.39



TABLA DE ESPECIFICACIONES

CALIBRE	PULG.	mm	3' x 6'	3' x 8'	3' x 10'	4' x 8'	4' x 10'	kg/m2
3	0.239	6.07	79.73	106.30	132.88	141.74	177.17	47.61
4	0.224	5.69	74.72	99.63	124.54	132.84	166.05	44.62
5	0.209	5.31	69.72	92.96	116.20	123.95	154.93	41.63
6	0.194	4.93	64.72	86.29	107.86	115.05	143.81	38.65
7	0.179	4.55	59.71	79.62	99.52	106.16	132.69	35.66
8	0.164	4.17	54.71	72.95	91.18	97.26	121.58	32.75
9	0.150	3.81	50.04	66.72	83.40	88.96	111.20	29.78
10	0.135	3.43	45.03	60.05	75.06	80.06	100.08	26.79
1/8	0.125	3.18	41.7	55.60	69.50	74.13	92.66	24.90
11	0.120	3.05	40.03	53.37	66.72	71.17	88.96	23.82
12	0.105	2.67	35.03	46.70	58.38	62.27	77.84	20.84
13	0.090	2.29	30.02	40.03	50.04	53.37	66.72	17.87
14	0.075	1.91	25.02	33.36	41.70	44.48	55.60	14.88
15	0.067	1.70	22.35	29.80	37.25	39.73	49.67	13.41
16	0.060	1.52	20.02	26.69	33.36	35.58	44.48	11.91



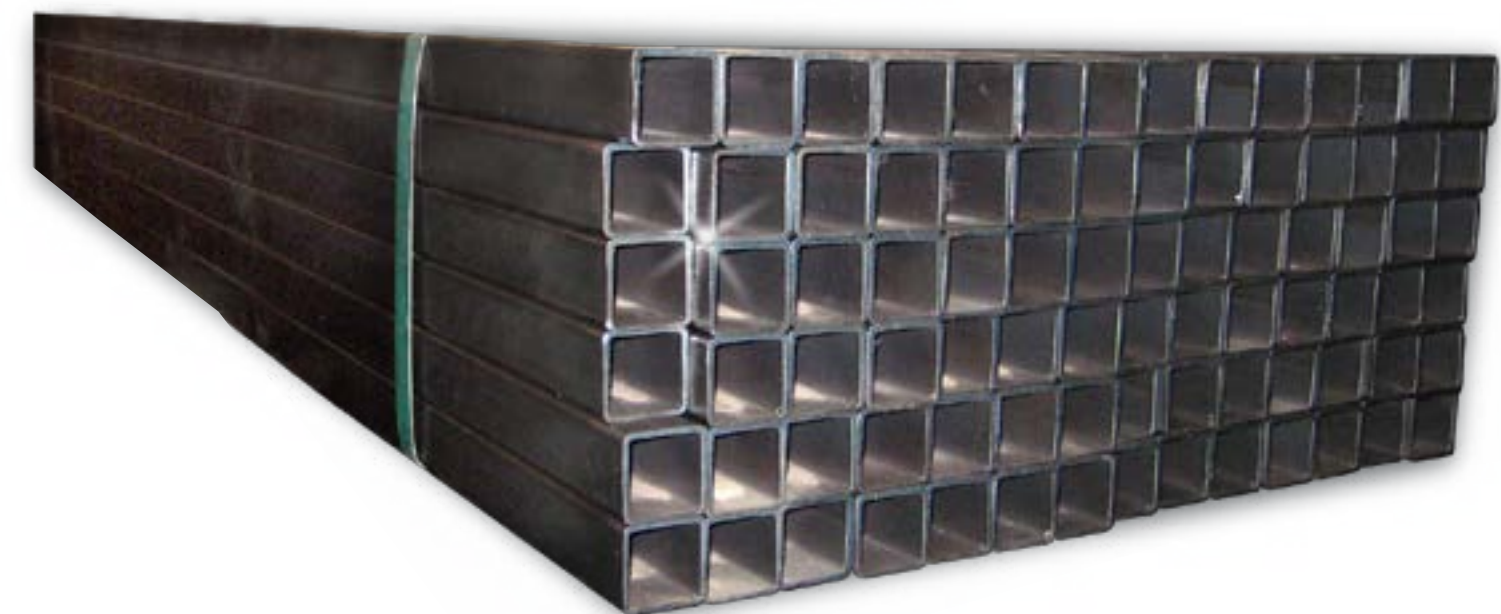


TABLA DE ESPECIFICACIONES

DIMENSIONES DXB EXTERIORES	ESPESOR T			COLOR IDENTIFICACIÓN	PESO P	PESO POR PIEZA KG.
	PULGADA MM.	CAL.	PULG.			
1 x 1	14	0.0747	1.89	AZUL	1.44	8.65
25 x 25	12	0.1046	2.66	VERDE	1.87	11.22
1 1/4 X 1 1/4	10	0.1345	3.42	ROJO	2.27	13.62
32 X 32	14	0.075	1.90	BLANCO	1.87	11.20
	13	0.090	2.30	VERDE	2.27	13.60
1 1/2 X 1 1/2	14	0.0747	1.89	AZUL	2.18	13.10
38 X 38	12	0.1046	2.66	BLANCO	2.96	17.76
	11	0.1196	3.04	VERDE	3.33	19.98
	9	0.1496	3.80	ROJO	4.02	24.12
	14	0.0747	1.89	AZUL	2.95	17.70
2 X 2	12	0.1046	2.66	BLANCO	4.05	24.30
51 X 51	11	0.1196	3.04	VERDE	4.55	27.30
	9	0.1496	3.80	ROJO	5.56	33.36
2 1/2 X 2 1/2	14	0.0747	1.89	AZUL	3.69	22.19
64 X 64	11	0.1196	3.04	BLANCO	5.82	34.92
	9	0.1496	3.80	VERDE	7.13	42.78
	7	0.1793	4.55	ROJO	8.37	50.22
	14	0.0747	1.89	AZUL	4.59	27.59
3 X 3	11	0.1196	3.04	BLANCO	7.09	42.54
76 X 76	9	0.1496	3.80	VERDE	8.72	52.32
	7	0.1793	4.55	ROJO	10.28	61.68
3 1/2 X 3 1/2	11	0.1196	3.04	BLANCO	8.34	50.04
89 X 89	9	0.1496	3.80	VERDE	10.28	61.68
	7	0.1793	4.55	ROJO	12.16	72.96
	14	0.0747	1.89	AZUL	3.69	22.14
3 X 2	11	0.1196	3.04	BLANCO	5.82	34.92
76 X 51	9	0.1496	3.80	VERDE	7.12	42.78
	7	0.1793	4.55	ROJO	8.37	50.22
	14	0.0747	1.89	AZUL	4.59	27.59
4 X 2	11	0.1196	3.04	BLANCO	7.09	42.54
102 X 51	9	0.1496	3.80	VERDE	8.72	52.32
	7	0.1793	4.55	ROJO	10.28	61.68
	11	0.1196	3.04	BLANCO	8.34	50.04
4 X 3	9	0.1496	3.80	VERDE	10.28	61.68
102 X 76	7	0.1793	4.55	ROJO	12.16	72.96
	11	0.1196	3.04	BLANCO	9.76	58.58
4 X 4	10	0.135	3.40	VERDE	10.98	65.9
102 X 102	9	0.1496V	3.80	ROJO	11.78	70.68



TABLA DE ESPECIFICACIONES

DIÁMETRO NOMINAL		DIÁMETRO INTERIOR mm.	DIÁMETRO EXTERIOR mm.	ESPESOR DE PARED mm.	PESO TEÓRICO	
mm.	Pulg.				Kg/m	Kg/6m
13	1/2"	15.9	21.33	1.7094	0.9	5.4
19	3/4"	22.4	26.67	1.7094	1.125	6.75
25	1"	31.9	33.4	1.8974	1.5	9
32	1 1/4"	36.4	42.16	2.2784	2.35	14.1
38	1 1/2"	41.3	48.26	2.2784	2.7	16.2
51	2"	54	60.32	2.6568	3.95	23.7
64	2 1/2"	66.5	73.03	2.6568	4.8	28.8
76	3"	82.5	88.9	3.0378	6.7	40.2
102	4"	108	114.3	3.0378	8.6	51.6



TUBO CÉDULA 40

DIÁMETRO NOMINAL		DIÁMETRO INTERIOR	DIÁMETRO EXTERIOR	ESPESOR DE PARED	PESO TEÓRICO		PRESIÓN HIDROSTÁTICA	
mm.	Pulg.	mm.	mm.	mm.	Kg/m	Kg/6m	Kg/cm ²	Lb/pulg ²
10	3/8"	12.5	17.1	2.3	0.85	5.1	50	700
13	1/2"	15.8	21.3	2.7	1.27	7.6	50	700
19	3/4"	20.93	26.7	2.871	1.68	10	50	700
25	1"	26.64	33.4	3.38	2.5	15	50	700
32	1 1/4"	35.05	42.2	3.56	3.39	20.4	70	1000
38	1 1/2"	40.39	48.3	3.68	4.16	25	70	1000
50	2"	52.5	60.3	3.91	5.48	33	70	1000
64	2 1/2"	62.71	73	3.16	8.66	52	70	1000
76	3"	77.92	88.9	5.49	11.34	68	70	1000
102	4"	102.26	114.3	6.02	16.21	97	85	1200

TUBO NEGRO CÉDULA 40 NORMA X 6.40 m.

DIÁMETRO NOMINAL		EXTERIOR REAL	ESPESOR PARED	DIÁMETRO INTERIOR	PESO TEÓRICO		PRESIÓN HIDROSTÁTICA	
mm.	Pulg.	mm.	mm.	mm.	Kg/m	Kg/6m	Kg/cm ²	Lb/pulg ²
64	2 1/2"	73	4.06	64.88	6.9	41.4	70	1000
74	3"	88.9	4.32	80.26	9	54	70	1000
102	4"	114.3	4.66	104.9	12.7	76	85	1200



TABLA DE ESPECIFICACIONES

DIAM. mm.	EXT. Pulg.	CAL.	PESO TEÓRICO	
			Kg./m	Kg./6 m
38.1	3/8"	14	1.827	10.962
		16	1.461	8.766
		18	1.169	7.014
		20	0.87	5.262
41.3	1 5/8"	14	1.98	11.88
		16	1.584	9.504
		18	1.267	7.602
		20	0.95	5.7
44.4	1 3/4"	14	2.129	12.774
		16	1.703	10.218
		18	1.362	8.172
		20	1.022	6.132
47.6	1 7/8"	14	2.282	13.692
		16	1.826	10.956
		18	1.461	8.766
		20	1.095	6.57
50.8	2"	14	2.436	14.616
		16	1.949	11.694
		18	1.559	9.354
		20	1.169	7.014
54		16	2.25	13.5
		18	1.66	10
57.1	2 1/4"	14	2.738	16.428
		16	2.19	13.14
		18	1.752	10.512
		20	1.314	7.884
60.4	2 3/8"	14	2.864	17.184
		16	2.305	13.83
		18	1.849	11.094
		20	1.383	8.298
63.5	2 1/2"	14	3.045	18.27
		16	2.436	14.616
		18	1.949	11.694
		20	1.461	8.766
73	2 7/8"	14	3.473	20.838
		16	2.798	16.788
		18	2.239	13.434
76.2	3"	14	3.65	21.9
		16	2.92	17.52
		18	2.336	14.016

TABLA DE ESPECIFICACIONES

DIAM. mm.	EXT. Pulg.	CAL.	PESO TEÓRICO	
			Kg./m	Kg./6 m
9	3/8"	16	0.33	2
		18	0.25	1.5
		20	0.2	1.2
12.7	1/2"	16	0.5	3
		18	0.389	2.322
15.8	5/8"	20	0.292	1.752
		14	0.762	4.572
		16	0.61	3.66
19.05	3/4"	18	0.488	2.928
		20	0.366	2.196
		14	0.913	5.478
20.6	13/16"	16	0.73	4.38
		18	0.585	3.51
		20	0.438	2.628
22.2	13/16"	14	0.989	5.934
		16	0.791	4.746
		18	0.633	3.798
		20	0.475	2.85
23.8	15/16"	14	1.064	6.384
		16	0.852	5.112
		18	0.681	4.086
		20	0.5	3
25.4	1"	14	1.14	6.84
		16	0.913	5.478
		18	0.73	4.38
		20	0.548	3.288
28.5	1 1/8"	14	1.218	7.308
		16	0.974	5.844
		18	0.779	4.674
		20	0.585	3.51
31.7	1 1/4"	14	1.371	8.266
		16	1.097	6.582
		18	0.878	5.268
		20	0.658	3.948
33.4	1 3/8"	14	1.52	9.12
		16	1.216	7.296
		18	0.973	5.838
		20	0.73	4.38
33.4	1 3/8"	14	1.673	10.038
		16	1.338	8.028
		18	1.071	6.426
		20	0.803	4.818

TABLA DE ESPECIFICACIONES

DIMENSIONES			ESPEJOR	PESO	ÁREA	MOMENTO DE INERCIA	MÓDULO DE PLASTICIDAD	RADIO DE GIRO	RESISTENCIA A LA TORSIÓN	RESISTENCIA A CORTE
in.	In.	In.	in.	Kg./m.	(A) in. ²	(I)in. ⁴	(Sy)in. ³	r in.	(j) in. ⁴	(H) in. ³
2 X 2 X		1/8"	0,1250	4,54	0,90	0,510	0,510	0,760	0,82	0,88
		3/16"	0,1875	6,43	1,27	0,668	0,668	0,726	1,15	1,23
		1/4"	0,2500	8,05	1,59	0,766	0,766	0,694	1,36	1,53
2 1/2 X 2 1/2 X		1/8"	0,1250	5,80	1,15	1,06	0,85	0,960	1,67	1,41
		3/16"	0,1875	8,32	1,64	1,42	1,14	0,930	2,38	2,01
		1/4"	0,2500	10,58	2,09	1,69	1,35	0,899	2,92	2,53
3 X 3 X		1/8"	0,1250	7,07	1,40	1,89	1,26	1,16	2,97	2,07
		3/16"	0,1875	10,22	2,02	2,60	1,73	1,13	4,28	2,97
		1/4"	0,2500	13,11	2,59	3,16	2,10	1,10	5,35	3,78
3 1/2 X 3 1/2 X		1/8"	0,1250	8,35	1,65	3,08	1,76	1,37	4,81	2,85
		3/16"	0,1875	12,13	2,39	4,29	2,45	1,34	6,99	4,11
		1/4"	0,2500	15,64	3,09	5,29	3,02	1,31	8,82	5,28
4 X 4 X		1/8"	0,1250	9,61	1,90	4,69	2,35	1,57	7,27	3,75
		3/16"	0,1875	14,02	2,77	6,59	3,30	1,54	10,60	5,45
		1/4"	0,2500	18,17	3,59	8,22	4,11	1,51	13,50	7,03
		5/16"	0,3125	22,07	4,36	9,58	4,79	1,48	16,10	8,50
		3/8"	0,3750	25,70	5,08	10,70	5,35	1,45	18,40	9,86
1/2"	0,5000	32,19	6,36	12,30	6,13	1,39	21,80	12,20		
4 1/2 X 4 1/2 X		3/16"	0,1875	15,92	3,14	9,60	4,27	1,75	15,4	6,97
		1/4"	0,2500	20,70	4,09	12,10	5,36	1,72	19,7	9,03
		5/16"	0,3125	25,24	4,98	14,20	6,30	1,69	22,9	11,00
		3/8"	0,3750	29,50	5,83	16,00	7,10	1,65	26,3	12,80
5 X 5 X		3/16"	0,1875	17,81	3,52	13,4	5,36	1,95	21,3	8,69
		1/4"	0,2500	23,25	4,59	16,9	6,78	1,92	27,4	11,30
		5/16"	0,3125	28,39	5,61	20,1	8,02	1,89	33,1	13,70
		3/8"	0,3750	33,29	6,58	22,8	9,11	1,86	38,2	16,00
		1/2"	0,5000	42,31	8,36	27,0	10,80	1,80	46,8	20,20
6 X 6 X		3/16"	0,1875	21,62	4,27	23,8	7,93	2,36	37,5	12,7
		1/4"	0,2500	28,31	5,59	30,3	10,10	2,33	48,5	16,5
		5/16"	0,3125	34,73	6,86	36,3	12,10	2,30	58,9	20,2
		3/8"	0,3750	40,90	8,08	41,6	13,90	2,27	68,5	23,7
		1/2"	0,5000	52,44	10,40	50,5	16,80	2,21	85,6	30,2



PERFIL ESTRUCTURAL CUADRADO (HSS)

TABLA DE ESPECIFICACIONES

DIMENSIONES			ESPEJOR	PESO	ÁREA	MOMENTO DE INERCIA	MÓDULO DE PLASTICIDAD	RADIO DE GIRO	RESISTENCIA A LA TORSIÓN	RESISTENCIA A CORTE
in.	In.	In.	in.	Kg./m.	(A) in. ²	(I)in. ⁴	(Sy)in. ³	r in.	(j) in. ⁴	(H) in. ³
7 X 7 X		3/16"	0,1875	25,42	5,02	38,5	11,0	2,77	60,2	17,4
		1/4"	0,2500	33,37	6,59	49,4	14,1	2,74	78,3	22,8
		5/16"	0,3125	41,06	8,11	59,5	17,0	2,71	95,6	28
		3/8"	0,3750	48,49	9,58	68,7	19,6	2,68	112	32,9
1/2"	0,5000	62,58	12,40	84,6	24,2	2,62	141	42,2		
8 X 8 X 3/16"		3/16"	0,1875	29,21	5,77	58,2	14,6	3,18	90,6	22,9
		1/4"	0,2500	38,43	7,59	75,1	18,8	3,15	118	30
		5/16"	0,3125	47,38	9,36	90,9	22,7	3,12	145	36,9
		3/8"	0,3750	56,09	11,10	106	26,4	3,09	170	43,6
1/2"	0,5000	72,70	14,40	131	32,9	3,03	217	56,2		
10 X 10 X		3/16"	0,1875	36,80	7,27	116	23,2	3,99	179	36,1
		1/4"	0,2500	48,56	9,59	151	30,1	3,96	235	47,5
		5/16"	0,3125	60,05	11,90	183	36,7	3,93	289	58,7
		3/8"	0,3750	71,28	14,10	214	42,9	3,90	341	69,5
		1/2"	0,5000	92,95	18,40	271	54,2	3,84	439	90,2
12 X 12 X		1/4"	0,2500	58,68	11,6	265	44,1	4,78	410	69
		5/16"	0,3125	72,71	14,4	324	54,0	4,75	506	85,4
		3/8"	0,3750	86,46	17,1	380	63,4	4,72	599	101
		1/2"	0,5000	113,21	22,4	485	80,9	4,66	777	132
14 X 14 X		5/16"	0,3125	85,36	16,9	522	74,6	5,57	812	117
		3/8"	0,3750	101,66	20,1	615	87,9	5,54	963	139
		1/2"	0,5000	133,46	26,4	791	113	5,48	1250	182
16 X 16 X		5/16"	0,3125	98,03	19,4	789	98,6	6,38	1220	154
		3/8"	0,3750	116,85	23,1	931	116	6,35	1450	183
		1/2"	0,5000	153,73	30,4	1200	150	6,29	1890	240



PERFIL ESTRUCTURAL CUADRADO (HSS)

TABLA DE ESPECIFICACIONES

DIÁMETRO NOMINAL	ESPESOR	PESO	ÁREA	MOMENTO DE INERCIA	MÓDULO DE PLASTICIDAD	RADIO DE GIRO	MOMENTO DE INERCIA	MÓDULO DE PLASTICIDAD	RADIO DE GIRO	RESISTENCIA A LA TORSIÓN	RESISTENCIA A CORTE
in. In. In.	In.	Kg./m.	(A) in. ²	mm.	(Sx)in. ³	(rx)in.	(ly)in. ⁴	(Sy)in. ³	Lb/pulg ²	(j) in. ⁴	(H) in. ³
3X1 1/2 x 1/8"	0.125	5.18	1.02	1.12	0.75	1.05	0.37	0.5	0.6	1.92	0.99
	3/16"	0.1875	7.38	1.46	1.48	1.01	0.48	0.64	0.57	1.24	1.39
	1/4"	0.25									
3 x 2 x	1/8"	0.125	5.8	1.15	1.38	0.92	0.73	0.73	0.8	1.53	1.35
	3/16"	0.1875	8.32	1.64	1.86	1.24	0.977	0.977	0.771	2.16	1.91
	1/4"	0.25	10.59	2.09	2.21	1.47	1.15	1.15	0.742	2.63	2.41
4 x 2 x	1/8"	0.125	7.07	1.4	2.82	1.41	0.95	0.95	0.83	2.3	1.82
	3/16"	0.1875	10.22	2.02	3.87	1.93	1.29	1.29	0.798	3.26	2.59
	1/4"	0.25	13.11	2.59	4.69	2.35	1.54	1.54	0.77	4.01	3.28
4 x 3 x	1/8"	0.125	8.35	1.65	3.75	1.88	2.41	1.61	1.21	4.6	2.79
	3/16"	0.1875	12.13	2.39	5.23	2.62	3.34	2.23	1.18	6.67	4.02
	1/4"	0.25	15.64	3.09	6.45	3.23	4.1	2.77	1.15	8.41	5.16
5 x 2 x	1/8"	0.125	8.35	1.65	4.95	1.98	1.17	1.17	0.84	3.09	2.29
	3/16"	0.1875	12.13	2.39	6.89	2.75	1.6	1.6	0.816	4.4	3.27
	1/4"	0.25	15.64	3.09	8.48	3.39	1.92	1.92	0.789	5.43	4.16
5 x 3 x	1/8"	0.125	9.61	1.9	6.44	2.58	2.93	1.95	0.829	6.34	3.5
	3/16"	0.1875	14.02	2.77	9.06	3.62	4.08	2.72	0.802	9.21	5
	1/4"	0.25	18.17	3.59	11.3	4.52	5.05	3.37	0.775	11.7	6.53
	5/16"	0.3125	22.07	4.36	13.2	5.27	5.85	3.9	0.748	13.8	7.87
	3/8"	0.375	25.7	5.08	14.7	8.89	1.7	6.48	4.32	1.24	15.6
5 x 4 x	3/16"	0.1875	15.92	3.14	11.2	4.49	7.96	3.98	1.59	14.9	6.88
	1/4"	0.25	20.7	4.09	14.1	5.65	9.98	4.99	1.56	19.1	8.91
	5/16"	0.3125	25.24	4.98	16.6	6.65	11.7	5.85	1.53	22.9	10.8
	3/8"	0.375	29.5	5.83	18.7	7.5	13.2	6.58	1.5	26.3	12.6
6 x 2 x	3/16"	0.1875	14.02	2.77	11.1	3.7	1.9	1.9	0.829	5.56	3.95
	1/4"	0.25	18.17	3.59	13.8	4.6	2.31	2.31	0.802	6.88	5.03
	5/16"	0.3125	22.07	4.36	16	5.34	1.92	2.62	0.775	7.94	6
	3/8"	0.375	25.7	5.08	17.8	5.94	1.87	2.84	0.748	8.72	6.65
6 x 3 x	3/16"	0.1875	15.92	3.14	14.3	4.76	4.83	3.22	1.24	11.9	6.13
	1/4"	0.25	20.7	4.09	17.9	5.98	6	4	1.21	15.1	7.91
	5/16"	0.3125	25.24	4.98	21.1	7.03	2.06	6.98	1.18	17.9	9.55
	3/8"	0.375	29.5	5.83	23.8	7.92	2.02	7.78	1.16	20.3	11.1



PERFIL ESTRUCTURAL RECTANGULAR (HSS)

TABLA DE ESPECIFICACIONES

DIMENSIONES	ESPESOR	PESO	ÁREA	MOMENTO DE INERCIA	MÓDULO DE PLASTICIDAD	RADIO DE GIRO	MOMENTO DE INERCIA	MÓDULO DE PLASTICIDAD	RADIO DE GIRO	RESISTENCIA A LA TORSIÓN	RESISTENCIA A CORTE	
in. In. In.	In.	Kg./m.	(A) in. ²	mm.	(Sx)in. ³	(rx)in.	(ly)in. ⁴	(Sy)in. ³	Lb/pulg ²	(j) in. ⁴	(H) in. ³	
6 x 4 x	3/16"	0.1875	17.81	3.52	17.40	5.81	2.23	9.32	4.66	1.63	19.5	
	1/4"	0.2500	23.25	4.59	22.10	7.36	2.19	111.17	5.87	1.60	25.0	
	5/16"	0.3125	28.39	5.61	26.20	8.72	2.16	3.80	6.92	1.57	30.10	
3/8"	0.3750	33.29	6.58	29.70	9.90	2.13	15.60	7.82	1.54	34.60	15.30	
	1/2"	0.5000	42.31	8.36	35.30	11.80	2.06	18.40	9.21	1.48	42.10	19.20
	3/16"	0.1875	19.72	3.89	20.60	6.87	2.30	15.60	6.23	2.00	28.10	10.50
6 x 5 x	1/4"	0.2500	25.78	5.09	26.20	8.74	2.27	19.80	7.91	1.97	36.30	13.70
	5/16"	0.3125	31.56	6.23	31.20	10.40	2.24	23.50	9.40	1.94	43.90	16.70
	3/8"	0.3750	37.10	7.33	35.60	11.90	2.21	26.80	10.70	1.91	50.90	19.50
7 x 2 x	3/16"	0.1875	15.92	3.14	16.70	4.77	2.31	2.21	2.21	0.839		
	1/4"	0.2500	20.70	4.09	20.90	5.98	2.26	2.69	2.69	0.812		
7 x 3 x	3/16"	0.1875	17.81	3.52	21.10	6.02	2.45	5.57	3.71	1.26	14.60	7.19
	1/4"	0.2500	23.25	4.59	26.60	7.61	2.41	6.95	4.63	1.23	18.50	9.28
5/16"	0.3125	28.39	5.61	31.50	9.00	2.37	8.11	5.41	1.20	22.00	11.20	
	3/8"	0.3750	37.10	7.33	44.00	12.60	2.45	18.10	9.06	1.57	43.30	18.00
7 x 4 x	3/16"	0.1875	19.72	3.89	25.40	7.26	2.55	10.70	5.34	1.66	24.20	9.74
	1/4"	0.2500	25.78	5.09	32.30	9.23	2.52	13.50	6.75	1.63	31.20	12.70
	5/16"	0.3125	31.56	6.23	38.50	11.00	2.49	16.00	7.98	1.60	37.50	15.40
	3/8"	0.3750	37.10	7.33	44.00	12.60	2.45	18.10	9.06	1.57	43.30	18.00
7 x 5 x	3/16"	0.1875	21.62	4.27	29.80	8.50	2.64	17.70	7.10	2.04	35.30	12.30
	1/4"	0.2500	28.31	5.59	38.00	10.90	2.61	22.60	9.04	2.01	45.60	16.00
	5/16"	0.3125	34.73	6.86	45.50	13.00	2.58	26.90	10.80	1.98	55.30	19.60
	3/8"	0.3750	40.90	8.08	52.20	14.90	2.54	30.80	12.30	1.95	64.20	23.00
8 x 2 x	1/2"	0.5000	52.44	10.40	63.50	18.10	2.48	37.20	14.90	1.90	79.90	29.30
	3/16"	0.1875	17.81	3.52	23.90	5.97	2.60	2.52	2.52	0.847	7.94	5.31
	1/4"	0.2500	23.25	4.59	30.10	7.52	2.56	3.08	3.08	0.819	9.84	6.78
	5/16"	0.3125	28.39	5.61	35.50	8.87	2.51	3.52	3.52	0.792	11.40	8.11
8 x 3 x	3/16"	0.1875	19.72	3.89	29.60	7.40	2.76	6.31	4.21	1.27	17.30	8.24
	1/4"	0.2500	25.78	5.09	37.60	9.40	2.72	7.90	5.26	1.25	22.10	10.70
	5/16"	0.3125	31.56	6.23	44.70	11.20	2.68	9.25	6.16	1.22	26.30	12.90
3/8"	0.3750	37.10	7.33	51.00	12.70	2.64	10.40	6.92	1.19	29.90	15.00	
	8 x 4 x	3/16"	0.1875	21.62	4.27	35.30	8.83	2.88	12.00	6.02	1.68	29.10
1/4"	0.2500	28.31	5.59	45.10	11.30	2.84	15.30	7.63	1.65	37.50	14.50	



PERFIL ESTRUCTURAL RECTANGULAR (HSS)

PERFIL ESTRUCTURAL RECTANGULAR

DIÁMETRO NOMINAL	ESPESOR	PESO	ÁREA	MOMENTO DE INERCIA	MÓDULO DE PLASTICIDAD	RADIO DE GIRO	MOMENTO DE INERCIA	MÓDULO DE PLASTICIDAD	RADIO DE GIRO	RESISTENCIA A LA TORSIÓN	RESISTENCIA A CORTE
in. In. In.	In.	Kg./m.	(A) in. ²	mm.	(Sx)in. ³	(rx)in.	(ly)in. ⁴	(Sy)in. ³	Lb/pulg ²	(j) in. ⁴	(H) in. ³
8 x 4 x 5/16"	0.3125	34.73	6.86	53.90	13.50	2.80	18.10	9.05	1.62	45.2	17.70
8 x 4 x 3/8"	0.3750	40.90	8.08	61.90	15.50	2.77	20.60	10.30	1.60	52.2	20.70
8 x 4 x 1/2"	0.5000	52.44	10.40	75.10	18.80	2.69	24.60	12.30	1.54	64.10	26.20
8 x 6 x 3/16"	0.1875	25.42	5.02	46.80	11.70	3.05	30.10	10.00	2.45	57.60	17.00
8 x 6 x 1/4"	0.2500	33.37	6.59	60.10	15.00	3.02	38.60	12.90	2.42	74.90	22.30
8 x 6 x 5/16"	0.3125	41.06	8.11	72.40	18.10	2.99	46.40	15.50	2.39	91.30	27.30
8 x 6 x 3/8"	0.3750	48.49	9.58	83.70	20.90	2.96	53.50	17.80	2.36	107.00	32.20
8 x 6 x 1/2"	0.5000	62.58	12.40	103.00	25.80	2.89	65.70	21.90	2.31	135.00	41.20
9 x 6 x 3/16"	0.1875	27.31	5.39	61.90	13.80	3.39	33.30	11.10	2.48		
9 x 6 x 1/4"	0.2500	35.90	7.09	79.80	17.70	3.36	42.70	14.20	2.460		
9 x 6 x 5/16"	0.3125	44.23	8.73	96.40	21.40	3.32	51.40	17.10	2.430		
9 x 6 x 3/8"	0.3750	52.28	10.33	112.00	24.80	3.29	59.40	19.80	2.40		
9 x 6 x 1/2"	0.5000	67.64	13.36	139.00	30.80	3.22	73.20	26.40	2.34		
9 x 7 x 3/16"	0.1875	29.21	5.77	69.20	15.40	3.46	47.20	13.50	2.86	87.70	22.50
9 x 7 x 1/4"	0.2500	38.43	7.59	89.40	18.90	3.43	60.80	17.40	2.83	114.00	29.50
9 x 7 x 5/16"	0.3125	47.38	9.36	108.00	24.00	3.40	73.50	21.00	2.80	140.00	36.30
9 x 7 x 3/8"	0.3750	56.09	11.10	126.00	27.90	3.37	85.10	24.30	2.77	164.00	42.90
9 x 7 x 1/2"	0.5000	72.70	14.40	157.00	34.80	3.30	106.00	30.20	2.71	209.00	55.20
10 X 4X 3/16"	0.1875	25.42	5.02	61.70	12.30	3.51	14.80	7.39	1.72	39.10	14.00
10 X 4X 1/4"	0.2500	33.37	6.59	79.30	15.90	3.47	18.80	9.39	1.69	50.40	18.30
10 X 4X 5/16"	0.3125	41.06	8.11	95.50	19.10	3.43	22.40	11.20	1.66	60.80	22.30
10 X 4X 3/8"	0.3750	48.49	9.58	110.00	22.00	3.39	25.50	12.80	1.63	70.40	26.20
10 X 4X 1/2"	0.5000	62.58	12.40	136.00	27.10	3.31	30.80	15.40	1.58	86.90	33.20
10 X 5X 3/16"	0.1875	27.31	5.39	70.80	14.20	3.62	24.30	9.71	2.12	58.00	17.70
10 X 5X 1/4"	0.2500	35.90	7.09	91.20	18.20	3.59	31.10	12.40	2.09	75.20	23.10
10 X 5X 5/16"	0.3125	44.23	8.73	110.00	22.00	3.55	37.20	14.90	2.07	91.50	28.40
10 X 5X 3/8"	0.3750	52.28	10.30	128.00	25.50	3.51	42.90	17.10	2.04	107.00	33.40
10 X 6X 3/16"	0.1875	29.21	5.77	79.80	16.00	3.72	36.50	12.20	2.51	71.10	21.40
10 X 6X 1/4"	0.2500	38.43	7.59	103.00	20.60	3.69	46.90	15.60	2.49	103.00	28.00
10 X 6X 5/16"	0.3125	47.38	9.36	125.00	25.00	3.65	56.50	18.80	2.46	126.00	34.40
10 X 6X 3/8"	0.3750	56.09	11.10	145.00	29.00	3.62	65.40	21.80	2.43	147.00	40.60
10 X 6X 1/2"	0.5000	72.70	14.40	181.00	36.20	3.55	80.80	26.90	2.37	187.00	52.20



PERFIL ESTRUCTURAL RECTANGULAR

DIÁMETRO NOMINAL	ESPESOR	PESO	ÁREA	MOMENTO DE INERCIA	MÓDULO DE PLASTICIDAD	RADIO DE GIRO	MOMENTO DE INERCIA	MÓDULO DE PLASTICIDAD	RADIO DE GIRO	RESISTENCIA A LA TORSIÓN	RESISTENCIA A CORTE
in. In. In.	In.	Kg./m.	(A) in. ²	mm.	(Sx)in. ³	(rx)in.	(ly)in. ⁴	(Sy)in. ³	Lb/pulg ²	(j) in. ⁴	(H) in. ³
12 X 4X 3/16"	0.1875	29.21	5.77	98.20	16.40	4.13	17.50	8.75	1.74	49.3	16.90
12 X 4X 1/4"	0.2500	38.43	7.59	127.00	21.10	4.09	22.30	11.10	1.71	63.6	22.00
12 X 4X 5/16"	0.3125	47.38	9.36	153.00	25.50	4.05	26.60	13.30	1.69	76.90	26.90
12 X 4X 3/8"	0.3750	56.09	11.10	178.00	29.60	4.01	30.50	15.20	1.66	89.00	31.60
12 X 4X 1/2"	0.5000	72.70	14.40	221.00	36.80	3.92	36.90	18.50	1.60	110.00	40.20
12 X 8X 1/4"	0.2500	48.56	9.59	196.00	32.60	4.52	105.00	26.30	3.31	216.00	45.50
12 X 8X 5/16"	0.3125	60.05	11.90	239.00	39.80	4.49	128.00	32.00	3.28	265.00	56.20
12 X 8X 3/8"	0.3750	71.28	14.10	279.00	46.50	4.45	149.00	37.30	3.26	312.00	66.50
12 X 8X 1/2"	0.5000	92.95	18.40	353.00	58.90	4.39	188.00	46.90	3.20	401.00	86.20
14 X 6X 1/4"	0.2500	48.56	9.59	237.00	33.80	4.97	63.40	21.10	2.57	162.00	39.50
14 X 6X 5/16"	0.3125	60.05	11.90	288.00	41.20	4.93	76.70	25.60	2.54	199.00	48.70
14 X 6X 3/8"	0.3750	71.28	14.10	337.00	48.10	4.89	89.10	29.70	2.52	233.00	57.50
14 X 6X 1/2"	0.5000	92.95	18.40	426.00	60.80	4.82	111.00	37.10	2.46	296.00	74.20
14 X 10X 5/16"	0.3125	72.71	14.40	405.00	57.90	5.31	242.00	48.40	4.11	477.00	82.90
14 X 10X 3/8"	0.3750	86.46	17.10	476.00	68.00	5.28	284.00	56.80	4.08	564.00	98.40
14 X 10X 1/2"	0.5000	113.21	22.40	608.00	86.90	5.22	361.00	72.30	4.02	730.00	128.00
16 X 4X 5/16"	0.3125	60.05	11.90	327.00	40.90	5.25	35.10	17.60	1.72	110.00	36.20
16 X 4X 3/8"	0.3750	71.28	14.10	382.00	47.80	5.21	40.40	20.20	1.69	127.00	42.50
16 X 4X 1/2"	0.5000	92.95	18.40	481.00	60.20	5.12	49.30	24.60	1.64	157.00	54.20
16 X 8X 5/16"	0.3125	72.71	14.40	481.00	60.10	5.79	165.00	41.20	3.39	394.00	75.40
16 X 8X 3/8"	0.3750	86.46	17.10	565.00	70.60	5.75	193.00	48.20	3.36	465.00	89.40
16 X 8X 1/2"	0.5000	113.21	20.40	722.00	90.20	5.68	244.00	61.00	3.30	599.00	116.00
16 X 12X 5/16"	0.3125	85.36	16.90	635.00	79.40	6.14	409.00	68.20	4.93	777.00	115.00
16 X 12X 3/8"	0.3750	101.66	20.10	748.00	93.50	6.11	482.00	80.30	4.90	922.00	136.00
16 X 12X 1/2"	0.5000	133.46	26.40	962.00	120.00	6.04	618.00	103.00	4.84	1200.00	178.00
18 X 6X 5/16"	0.3125	72.71	14.40	546.00	60.70	6.17	97.00	32.30	2.60	274.00	62.90
18 X 6X 3/8"	0.3750	86.40	17.10	641.00	71.30	6.13	113.00	37.60	2.57	322.00	74.40
18 X 6X 1/2"	0.5000	113.21	22.40	818.00	90.90	6.05	141.00	47.20	2.52	410.00	96.20
20 X 4X 5/16"	0.3125	72.71	14.40	596.00	59.60	6.44	43.70	21.80	1.74	143.00	45.40
20 X 4X 3/8"	0.3750	86.46	17.10	699.00	69.90	6.40	50.30	25.10	1.72	165.00	53.40
20 X 4X 1/2"	0.5000	113.21	22.10	889.00	88.90	6.31	61.60	30.80	1.66	205.00	68.20
20 X 8X 5/16"	0.3125	85.36	16.90	838.00	83.80	7.05	202.00	50.40	3.46	529.00	94.60





TABLA DE ESPECIFICACIONES

NOMENCLATURA		LARGO DE TRAMO MTS.	PATÍN	KILOS X METRO	KILOS X TRAMO
PERALTE PULG.	CALIBRE				
A	B		C		
3	MT 14	6	2"	3	18
4	MT 10	4	2"	5.7	22.8
4	MT 10	6	2"	5.7	34.2
4	MT 12	4	2"	4.5	18
4	MT 12	6	2"	4.5	27
4	MT 14	4	2"	3.3	13.2
4	MT 14	6	2"	3.3	19.8
4	MT 14	8	2"	3.3	26.4
5	MT 10	5	2"	6.5	32.5
5	MT 12	5	2"	5	25
5	MT 14	5	2"	3.7	18.5
5	MT 14	6	2"	3.7	22.7
6	MT 10	6	2"	7	42
6	MT 10	6	2 1/2"	7.8	47
6	MT 12	6	2"	5.5	33
6	MT 12	6	2 1/2"	6	36
6	MT 14	6	2"	4	24
6	MT 14	6	2 1/2"	4.5	27
7	MT 10	7	2 3/4"	8.9	62.3
7	MT 12	7	2 3/4"	7	49
7	MT 14	7	2 3/4"	5	35
8	MT 10	8	3"	9.9	79.2
8	MT 12	8	3"	7.8	62.5
8	MT 14	8	3"	5.6	44.8
10	MT 10	10	3 1/2"	13.7	164.5
10	MT 12	10	3 1/2"	10.6	127
10	MT 14	10	3 1/2"	8.5	102
12	MT 10	12	3 1/2"	13.7	164.5
12	MT 12	12	3 1/2"	10.6	127
12	MT 14	12	3 1/2"	8.5	102

TABLA DE ESPECIFICACIONES

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



TABLA DE ESPECIFICACIONES

DIÁMETRO GENERAL		Kg. / 6 M	Resistencia min. a la rupt. X Tracc.
PULGADAS	MILÍMETROS		
3/16"	4.8	0.84	1259
1/4"	6.3	1.5	2226
5/16"	7.9	2.3	3490
3/8"	9.5	3.6	3507
7/16"	11.1	4.6	4785
1/2"	12.7	6	6235



DIMENSIONES NOMINALES					
CALIBRE PULGADAS	Nº DE ASIGNACIÓN	PESO NOMINAL EN Kg/M.	ÁREA SECCIÓN TRANSVERSAL MM ²	PERÍMETRO MM	NÚM. APROX. DE VARILLAS 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	2,235	285	60,0	38
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



VARILLA

TABLAS DE ESPECIFICACIONES		
DIÁMETRO m.	EQUIVALENCIA DECIMAL EN PULGADAS	Kg./mto.
5.5	0.218	0.186
6.3	0.25	0.24
7	0.276	0.3
8	0.315	0.39
9.5	0.374	0.56
10	0.394 - 0.400	0.616
11	0.434	0.746
12	0.473	0.89
12.7	0.5	0.99



ALAMBRÓN

**TABLA DE ESPECIFICACIONES
ALAMBRE RECOCIDO**

CALIBRE	DIÁMETRO (mm)	RENDIMIENTO (m/kg)
16	1.59	64



TABLAS DE ESPECIFICACIONES

NÚMERO COMERCIAL / CALIBRE	DEL °ALAMBRE		DE LA MALLA	
	DIÁM. mm.	ÁREA cm ²	ÁREA DE ACERO cm ² /m	PESO Kg./m ²
6 6 - 4 4	5,72	0,26	1,69	2,690
6 6 - 6 6	4,88	0,19	1,23	1,950
6 6 - 8 8	4,11	0,13	0,87	1,390
6 6 - 10 10	3,43	0,09	0,61	0,966

**TABLA DE ESPECIFICACIONES
MICRO ALAMBRE COBRIZADO**

CALIBRE	DIÁMETRO (mm)	PULGADAS	Mts. x Kg.	Presentación
18 3/4	1.59	0.042"	142.85	Carretes de 15 Kg.



**ALAMBRE RECOCIDO C-16
MICRO ALAMBRE**

MALLA

ESTÁNDAR CON CABEZA

DENOMINACIÓN COMERCIAL	25	35	50	65	90	100	125	150	175	200
CALIBRE DEL ALAMBRE EN mm.	1,8	2,0	2,7	3,1	4,1	4,5	4,9	5,3	7,2	8,0
LONGITUD "L" DEL CLAVO EN cm.	2,5	3,8	5,1	6,4	8,9	10,2	12,7	15,2	17,8	20,3
LONGITUD "L" DEL CLAVO EN pulg.	1	1 1/2	2	2 1/2	3 1/2	4	5	6	7	8
DIMENSIÓN DE LA CABEZA "D" EN mm.	4,5	5,0	6,7	7,6	10,3	11,2	12,2	12,1	14,7	16,3
CLAVOS POR Kilo. APROXIMADO	1.923	960	420	260	99	74	47	36	17	12

TABLAS DE ESPECIFICACIONES

TIPO	DIÁMETRO NOMINAL	KG / M
5 / 16	7.93 MM	0.388
1 / 4	6.35 MM	0.248
3 / 16	4.76 MM	0.14
5 / 32	3.96 MM	0.097





TABLAS DE ESPECIFICACIONES

DISEÑO	SECCIÓN AXB (CM)	CASTILLOS X HOJA
12 X 12 - 4	8 X 8	6 PIEZAS
12 X 20 - 4	8 X 16	4 PIEZAS
15 X 15 - 4	11 X 11	5 PIEZAS
15 X 20 - 4	11 X 16	4 PIEZAS
15 X 25 - 4	11 X 21	3 PIEZAS
15 X 30 - 4	11 X 26	3 PIEZAS

TABLAS DE ESPECIFICACIONES

DISEÑO	SECCIÓN AXB (CM)	CASTILLOS X HOJA
12 X 12 - 3	8 X 8 X 8	6 PIEZAS
15 X 15 - 3	11 X 11 X 11	6 PIEZAS



TABLA DE ESPECIFICACIONES

CARACTERÍSTICAS	PESO	CALIBRE	LARGO
tradicional	34 kg	12.5	340 m
tradicional	30 kg	12.5	250 m
alta resistencia	17 kg	15.5	360 m

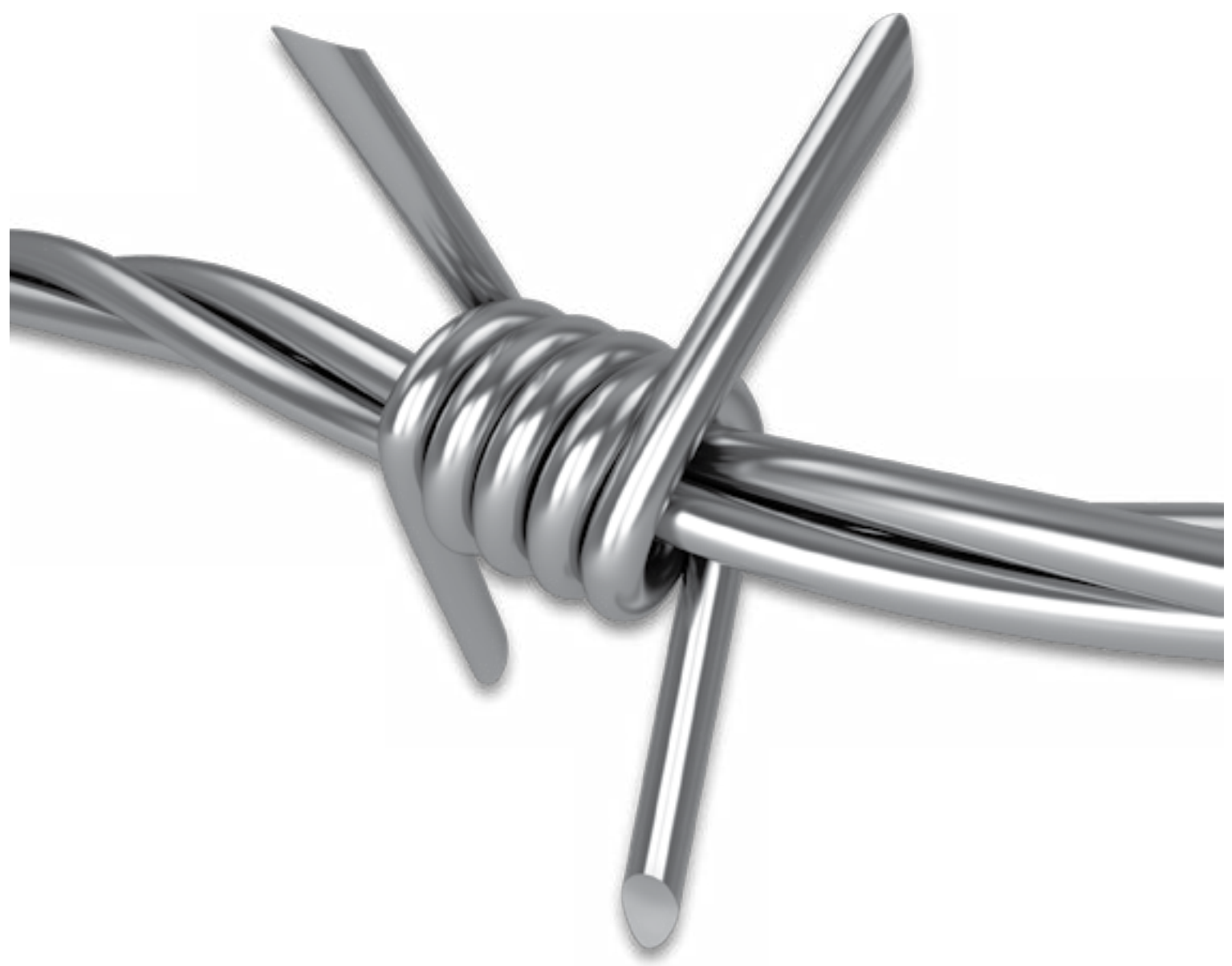


TABLA DE ESPECIFICACIONES

CARACTERÍSTICAS	CALIBRE
ferretero	14
ferretero	13
ferretero	12.5
ferretero	12
ferretero	11
ferretero	10.5
ferretero	10
fino	25
fino	22
fino	20
fino	18
grueso	6
grueso	4



TABLA DE ESPECIFICACIONES

CARACTERÍSTICAS	ALTURA	CALIBRE	LARGO
borreguera	1.00 m	11/14.5	50 m
borreguera	1.20 m	11/14.5	50 m
borreguera	1.40 m	11/14.5	50 m
borreguera	1.67 m	11/14.5	50 m
bovina	2.00 m	11/14.5	50 m
venadera	2.50 m	10/12.5	50 m



TABLA DE ESPECIFICACIONES

CALIBRE	DIÁMETRO (mm)	RENDIMIENTO (m/kg)
16	1.59	64



TABLA DE ESPECIFICACIONES

ABERTURA	ALTURA	CALIBRE	LARGO
13 mm	0.90 m	23	45 m
20 mm	0.90 m	22	45 m
20 mm	1.02 m	22	45 m
25 mm	1.00 m	20	45 m
25 mm	1.50 m	20	45 m
25 mm	1.75 m	20	45 m
38 mm	1.50 m	20	45 m
38 mm	1.75 m	20	45 m
50 mm	1.50 m	20	45 m
50 mm	1.75 m	20	45 m
13 mm	0.90 m	23	20 m
25 mm	1.00 m	20	20 m
25 mm	1.50 m	20	20 m
25 mm	0.61 m	22	45 m
25 mm	1.00 m	22	45 m
25 mm	1.20 m	22	45 m
25 mm	1.50 m	22	45 m
25 mm	1.75 m	22	45 m





TABLA DE ESPECIFICACIONES

ABERTURA	ALTURA	CALIBRE	LARGO
55x55 cm	1.00 m	10.5	20 m
55x55 cm	1.25 m	10.5	20 m
55x55 cm	1.50 m	10.5	20 m
55x55 cm	1.75 m	10.5	20 m
55x55 cm	2.00 m	10.5	20 m
55x55 cm	2.50 m	10.5	20 m
55x55 cm	1.00 m	11	20 m
55x55 cm	1.25 m	11	20 m
55x55 cm	1.50 m	11	20 m
55x55 cm	1.75 m	11	20 m
55x55 cm	2.00 m	11	20 m
55x55 cm	2.50 m	11	20 m
55x55 cm	1.00 m	12.5	20 m
55x55 cm	1.25 m	12.5	20 m
55x55 cm	1.50 m	12.5	20 m
55x55 cm	1.75 m	12.5	20 m
55x55 cm	2.00 m	12.5	20 m
55x55 cm	2.50 m	12.5	20 m
55x55 cm	1.00 m	13	20 m
55x55 cm	1.25 m	13	20 m
55x55 cm	1.50 m	13	20 m
55x55 cm	1.75 m	13	20 m
55x55 cm	2.00 m	13	20 m

TABLA DE ESPECIFICACIONES

ABERTURA	ALTURA	CALIBRE	LARGO
63x63 cm	1.00 m	10.5	20 m
63x63 cm	1.25 m	10.5	20 m
63x63 cm	1.50 m	10.5	20 m
63x63 cm	1.75 m	10.5	20 m
63x63 cm	2.00 m	10.5	20 m
63x63 cm	1.00 m	11	20 m
63x63 cm	1.25 m	11	20 m
63x63 cm	1.50 m	11	20 m
63x63 cm	1.75 m	11	20 m
63x63 cm	2.00 m	11	20 m
63x63 cm	1.00 m	12.5	20 m
63x63 cm	1.25 m	12.5	20 m
63x63 cm	1.50 m	12.5	20 m
63x63 cm	1.75 m	12.5	20 m
63x63 cm	2.00 m	12.5	20 m
69x69 cm	1.00 m	10.5	20 m
69x69 cm	1.25 m	10.5	20 m
69x69 cm	1.50 m	10.5	20 m
69x69 cm	1.75 m	10.5	20 m
69x69 cm	2.00 m	10.5	20 m
69x69 cm	1.00 m	11	20 m
69x69 cm	1.25 m	11	20 m
69x69 cm	1.50 m	11	20 m
69x69 cm	1.75 m	11	20 m
69x69 cm	2.00 m	11	20 m
69x69 cm	1.00 m	12.5	20 m
69x69 cm	1.25 m	12.5	20 m
69x69 cm	1.50 m	12.5	20 m
69x69 cm	1.75 m	12.5	20 m
69x69 cm	2.00 m	12.5	20 m
69x69 cm	1.00 m	13	20 m
69x69 cm	1.25 m	13	20 m
69x69 cm	1.50 m	13	20 m
69x69 cm	1.75 m	13	20 m
69x69 cm	2.00 m	13	20 m



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