

CATÁLOGO DE PRODUCTOS

2026

247.0



**FREELUX
STEEL**

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ÁNGULOS LADOS IGUALES

ESPEJOR	ANCHO	ESPEJOR	ANCHO	PESO	ESPEJOR	ANCHO	ESPEJOR	ANCHO	PESO
PULGADA		MILIMETROS		KG/M	PULGADA		MILIMETROS		KG/M
.109	3/4 1 1 1/4 1 1/2	2.8	19.0 25.4 31.7 38.1	0.80 1.05 1.33 1.61	.109	1 1 1/4 1 1/2	2.8	25.4 31.7 38.1	1.05 1.33 1.61
1/8	3/4 1 1 1/4 1 1/2 2	3.2	19.0 25.4 31.7 38.1 50.8	0.88 1.19 1.50 1.83 2.46	1/8	1 1/2 1 3/4 2	3.2	38.1 44.4 50.8	1.83 2.14 2.46
3/16	1 1 1/4 1 1/2 1 3/4 2 2 1/2 3	4.8	25.4 31.7 38.1 44.4 50.8 63.5 76.2	1.73 2.20 2.68 3.15 3.63 4.57 5.52	3/16	1 3/4 2 2 1/2 3	4.8	44.4 50.8 63.5 76.2	3.15 3.63 4.57 5.52
1/4	1 1 1/4 1 1/2 2 2 1/2 3 4	6.3	25.4 31.7 38.1 50.8 63.5 76.2 101.6	2.22 2.86 3.48 4.75 6.10 7.29 9.82	1/4	1 3/4 2 2 1/2 3 3 1/2 4	6.3	44.4 50.8 63.5 76.2 88.9 101.6	4.12 4.75 6.10 7.29 8.63 9.82
5/16	3 4	7.9	76.2 101.6	9.08 12.20	5/16	3 3 1/2 4 5 6	7.9	76.2 88.9 101.6 127.0 152.4	9.08 10.71 12.20 15.32 18.45
3/8	2 2 1/2 3 4 5 6	9.5	50.8 63.5 76.2 101.6 127.0 152.4	6.99 8.78 10.71 14.58 18.30 22.17	3/8	3 3 1/2 4 5 6	9.5	76.2 88.9 101.6 127.0 152.4	10.71 12.64 14.58 18.30 22.17
1/2	3 4 6	12.7	76.2 101.6 152.4	13.99 19.05 29.16	7/16	4 6	11.1	101.6 152.4	16.81 25.59
0.156	1 1/2 2 5 6 6	4.0 4.0 12.7 15.9 19.05	38.1 50.8 127 152.4 152.4	1.61 3.63 18.23 22.17 22.17	1/2	3 4 5 6 8	12.7	76.2 101.6 127.0 152.4 203.2	13.99 19.05 24.11 29.16 39.28
1/2	1 1/2 2 5 6 6	4.0 4.0 12.7 15.9 19.05	38.1 50.8 127 152.4 152.4	1.61 3.63 18.23 22.17 22.17	9/16	8	14.3	203.2	44.05
5/8	6 8	15.9	152.4 203.2	36.01 48.66	5/8	4 6 8	15.9	101.6 152.4 203.2	23.36 36.01 48.66
3/4	6 8	19.0	152.4 203.2	42.71 57.88	3/4	6 8	19.0	152.4 203.2	42.71 57.88
7/8	6 8	22.2	152.4 203.2	66.96 152.4	7/8	6 8	22.2	152.4 203.2	66.96 152.4
1	6 8	25.4	152.4 203.2	55.65 75.89	1	6 8	25.4	152.4 203.2	55.65 75.89
1 1/8	8	28.6	203.2	84.67	1 1/8	8	28.6	203.2	84.67
1 1/2	3 1/2	12.7	88.9	12.64	1 1/2	3 1/2	12.7	88.9	12.64

ÁNGULOS DESIGUALES

ESPESOR	ANCHO	ESPESOR	ANCHO	PESO
PULGADA		MM.		KG/M
1/4 X 4 X 3		6.3 X 101.6 X 76.2		8.63
5/16 X 6 X 4		7.9 X 152.4 X 101.6		15.33
3/8 X 4 X 3		9.5 X 101.6 X 76.2		12.65
3/8 X 6 X 4		9.5 X 152.4 X 101.6		18.30
1/2 X 6 X 4		12.7 X 152.4 X 101.6		24.11

ESPESOR	ANCHO	ESPESOR	ANCHO	PESO
PULGADA		MM.		KG/M
3/16 X 3 X 2		4.8 X 76.2 X 50.8		4.57
1/4 X 3 X 2		6.3 X 76.2 X 50.8		6.10

CANALES

PERFIL		PESO		ANCHO DEL PATÍN		ESPESOR DEL PATÍN		ESPESOR DEL ALMA	
PULG	MM	KG/M	LB/FT	PULG	MM	PULG	MM	PULG	MM
3	76.2	5.20	3.50	1.372	35	0.273	6.9	0.132	3.4
		6.10	4.10	1.410	36	0.273	6.9	0.170	4.3
4	101.6	6.70	4.50	1.584	40	0.296	7.5	0.125	3.2
		8.04	5.40	1.584	40	0.296	7.5	0.184	4.7
5	127.0	9.97	6.70	1.750	44	0.320	8.1	0.190	4.8
6	152.4	12.20	8.20	1.920	48	0.343	8.7	0.200	5.1
		15.63	10.50	2.034	51	0.343	8.7	0.314	8.0
		19.35	13.00	2.157	55	0.343	8.7	0.437	11.1
7	177.3	14.60	9.80	2.090	53	0.366	9.3	0.210	5.3
8	203.2	17.11	11.50	2.260	57	0.390	9.9	0.220	5.6
		20.46	13.75	2.343	59	0.390	9.9	0.303	7.7
		27.90	18.75	2.527	64	0.390	9.9	0.487	12.4
10	254.0	22.76	15.30	2.600	65	0.436	11.1	0.240	6.1
		29.76	20.00	2.739	69	0.436	11.1	0.379	9.6
		37.20	25.00	2.886	73	0.436	11.1	0.526	13.4
		44.64	30.00	3.033	76	0.436	11.1	0.673	17.1
12	302.8	30.80	20.70	2.942	74	0.501	12.7	0.282	7.2
		37.20	25.00	3.047	77	0.501	12.7	0.387	9.8
		44.64	30.00	3.170	80	0.501	12.7	0.510	13.0
15	381.0	50.40	33.90	3.400	86	0.650	16.5	0.400	10.2
		59.53	40.00	3.520	89	0.650	16.5	0.520	13.2
		74.50	50.00	3.716	94	0.650	16.5	0.716	18.2

CINTA KR 18

CALIBRE

PESO POR ÁREA
INSTALADA (KG/M2)

RECUB

GRADO

NORMA

22

8.316

ZINTRO
ZINTRO ALUM
PINTADA

FY=
33 Ksi

ASTM A653
ASTM A792
ASTM A653

24

5.923

26

5.126

CUADRADOS Y REDONDOS

REDONDO BRILLANTE

PULGADA

MM.

REDONDOS
Kg/m

CUADRADOS
Kg/m

PULGADA

MM.

KG/M

3/8*
12 mm*
1/2*
5/8*
3/4
7/8
1
1 1/8
1 1/4
1 1/2
1 3/4
2
2 1/2

9.5
12.0
12.7
15.9
19.0
22.2
25.4
28.6
31.7
38.1
44.4
50.8
63.5

0.56
-
0.99
1.55
2.24
3.04
3.98
5.03
6.21
8.95
12.18
15.91
24.85

0.71
1.20
1.27
1.98
2.85
-
5.06
-
-
11.39
-
20.25
-

3/16
1/4
5/16
3/8

4.8
6.3
7.9
9.53

0.14
0.25
0.39
0.56

FORTADECK (LOSACERO)

SEC	CALIBRE	ESPESOR NOMINAL		PESO APROX	
		PULGADA	MM	KG/ML	KG/M2
15	18	0.049	1.23	11.96	13.09
	20	0.037	0.93	9.06	9.91
	22	0.031	0.77	7.60	8.32
	24	0.025	0.63	6.20	6.78
25	18	0.049	1.23	11.96	13.09
	20	0.037	0.93	9.06	9.91
	22	0.031	0.77	7.60	8.32
	24	0.025	0.63	6.20	6.78
30	18	0.049	1.23	11.96	13.09
	20	0.037	0.93	9.06	9.91
	22	0.031	0.77	7.60	8.32

HOJA LISA

CALIBRE	ESPESOR		KG / ML		PESO POR HOJA (KG/PZA)			
	PULGADA	MM	3'	4'	3' X 8'	3' X 10'	4' X 8'	4' X 10'
14	0.076	1.92	14.02	18.62	34.2	42.7	45.4	56.7
16	0.061	1.54	11.25	14.96	27.4	34.3	36.5	45.6
18	0.049	1.24	9.03	12.00	22.0	27.5	29.3	36.6
20	0.037	0.93	6.83	9.07	16.6	20.8	22.1	27.6
22	0.031	0.78	5.71	7.62	13.9	17.4	18.6	23.2
24	0.022	0.55	4.06	5.42	9.9	12.4	13.2	16.5
26	0.019	0.48	3.52	4.69	8.6	10.7	11.4	14.3

DIMENSIONES EXTERIORES		ESPESOR		PESO	
PULGADA	MM	PULGADA	MM	KG/M	KG/ PZA
4" X 4"	102 X 102	0.312"	7.92	22.13	270
		0.375"	9.52	25.73	314
5" X 5"	127 X 127	0.312"	7.92	28.52	348
		0.375"	9.52	33.44	408
6" X 4"	152 X 102	0.312"	7.92	28.52	348
		0.375"	9.52	33.44	408
6" X 6"	152 X 152	0.187"	4.76	21.63	264
		0.250"	6.35	28.36	346
		0.312"	7.92	34.75	424
		0.375"	9.52	40.98	500
		0.500"	12.70	52.45	640
8" X 3"	203 X 76	0.125"	3.18	13.61	166
		0.187"	4.76	20.00	244
8" X 4"	203 X 102	0.187"	4.76	21.63	264
		0.250"	6.35	28.36	346
		0.312"	7.92	34.75	424
		0.375"	9.52	40.98	500
		0.500"	12.70	52.45	640
8" X 6"	203 X 152	0.250"	6.35	33.44	408
		0.375"	9.52	48.52	592
8" X 8"	203 X 203	0.187"	4.76	29.34	358
		0.250"	6.35	38.52	470
		0.312"	7.92	47.54	580
		0.375"	9.52	56.23	686
		0.500"	12.70	72.28	888
10" X 4"	254 X 102	0.250"	6.35	33.44	408
10" X 6"	254 X 152	0.187"	4.76	29.34	358
		0.250"	6.35	38.52	470
		0.375"	9.52	56.23	686
		0.500"	12.70	72.78	888
10" X 10"	254 X 254	0.187"	4.76	36.88	450
		0.250"	6.35	48.69	594
		0.312"	7.92	60.16	734
		0.375"	9.52	71.31	870
		0.500"	12.70	92.96	1134
12" X 6"	305 X 152	0.375"	9.52	63.77	778
12" X 8"	305 X 203	0.250"	6.35	48.69	594
		0.375"	9.52	71.31	870
		0.500"	12.70	92.96	1134
12" X 12"	305 X 305	0.250"	6.35	58.68	716
		0.312"	7.92	72.79	888
		0.375"	9.52	86.55	1056
		0.500"	12.70	113.27	1382
		0.625"	15.87	139.02	1696
14" X 14"	356 X 356	0.312"	7.92	85.40	1042
		0.375"	9.52	101.80	1242
		0.500"	12.70	133.61	1630
		0.625"	15.87	164.26	2004
16" X 16"	406 X 406	0.312"	7.92	98.03	1196
		0.375"	9.52	116.89	1426
		0.500"	12.70	153.77	1876
		0.625"	15.87	189.67	2314

LÁMINA ACANALADA

R-72 / 0-725 / 0-30

ESPESOR			PESO POR HOJA (KG/PZA)									PESO
CALIBRE	PULGADA	MM	3' X 8'	3' X 10'	3' X 12'	3' X 14'	3' X 16'	3' X 18'	3' X 20'	3' X 22'	3' X 24'	KG / ML
22	0.031	0.78	13.9	17.4	20.9	24.4	27.8	31.3	34.8	38.3	41.8	5.71
24	0.022	0.55	9.9	12.4	14.8	17.3	19.8	22.3	24.7	27.2	29.7	4.06
26	0.019	0.48	8.6	10.7	12.9	15.0	17.2	19.3	21.5	23.6	25.7	3.52
28	0.016	0.40	7.2	9.0	10.9	12.7	14.5	16.3	18.1	19.9	21.7	2.97
30	0.013	0.33	5.9	7.4	8.9	10.4	11.9	13.4	14.9	16.4	17.8	2.44
32	0.011	0.27	4.9	6.1	7.3	8.5	9.7	11.0	12.2	13.4	14.6	2.00

LÁMINA ACANALADA

R-101 / 0-100 / RN-100 / 35

ESPESOR			PESO POR HOJA (KG/PZA)									PESO
CALIBRE	PULGADA	MM	4' X 8'	4' X 10'	4' X 12'	4' X 14'	4' X 16'	4' X 18'	4' X 20'	4' X 22'	4' X 24'	KG / ML
22	0.031	0.78	18.6	23.2	27.8	32.5	37.2	41.8	46.4	51.1	55.7	7.62
24	0.022	0.55	13.2	16.5	19.8	23.1	26.4	29.7	33.0	36.3	39.6	5.42
26	0.019	0.48	11.4	14.3	17.1	20.0	22.9	25.7	28.6	31.4	34.3	4.69
28	0.016	0.40	9.7	12.0	14.5	16.9	19.3	21.7	24.1	26.5	28.9	3.96

LÁMINA CALIENTE

CALIBRE	ESPESOR		PESO DE HOJA POR KILOGRAMO							PESO
	PULGADA	MM	3' X 8'	3' X 10'	4' X 8'	4' X 10'	5' X 10'	5' X 20'	6'	KG / M
7	0.180	4.572	81	101	108	135	-	-	-	36.27
8	0.165	4.191	74	93	99	124	155	309	-	33.25
9	0.150	3.810	67	84	90	112	-	-	-	30.23
10	0.135	3.429	61	76	81	101	126	253	-	27.20
11	0.120	3.048	54	67	72	90	112	225	LE	24.18
12	0.105	2.667	47	59	63	79	98	197	-	21.16
13	0.090	2.286	40	51	54	67	-	-	-	18.14
14	0.075	1.905	34	42	45	56	70	140	-	15.11
16	0.060	1.524	-	-	36	45	-	-	-	12.09
18	0.048	1.219	-	-	29	36	-	-	-	9.67
20	0.036	0.914	-	-	22	27	-	-	-	7.25

LÁMINA ANTIDERRAPANTE

CALIBRE	ESPESOR		PESO DE HOJA POR KILOGRAMO				PESO
	PULGADA	MM	3' X 10'	4' X 10'	5' X 10'	5' X 20'	KG / M
16	0.060	1.524	-	45	-	-	12.09
14	0.075	1.905	51	68	-	-	18.31
12	0.105	2.667	71	95	-	-	25.63
1/8	0.125	3.175	84	112	139	279	30.02
3/16	0.187	4.750	118	158	197	395	42.47
1/4	0.250	6.350	153	204	255	510	54.92
3/8	0.375	9.525	-	297	-	-	79.82

LÁMINA Y PLACA DE GRADO

A-285°C, A-516°70, A-572°50, A-572°65 Y SAE1045

CALIBRE	ESPESOR		KG/M					KG/HOJA				PESO
	PULGADA	MM	3'	4'	5'	6'	8'	4' X 20'	5' X 20'	6' X 20'	8' X 20'	KG / M
14	0.075	1.905	13.82	-	-	-	-	-	-	-	-	15.11
12	0.105	2.667	-	25.80	-	-	-	157	-	-	-	21.16
1/8	0.125	3.175	-	-	-	46.00	-	-	-	281	-	25.19
10	0.135	3.429	-	33.17	-	-	-	202	-	-	-	27.20
3/16	0.187	4.750	-	45.94	57.43	68.91	-	280	350	420	-	37.68
1/4	0.250	6.350	-	61.42	76.77	92.13	122.83	374	468	562	749	50.38
5/16	0.312	7.925	-	76.65	95.81	114.97	153.30	467	584	701	935	62.87
3/8	0.375	9.525	-	92.13	115.16	138.19	184.25	562	702	842	1,123	75.56
1/2	0.500	12.700	-	122.83	153.54	184.25	245.67	749	936	1,123	1,498	100.75
5/8	0.625	15.875	-	-	191.93	230.31	307.09	-	1,170	1,404	1,872	125.94
3/4	0.750	19.050	-	-	230.31	276.38	368.50	-	1,404	1,685	2,246	151.13

LAMINA FRÍA

CALIBRE	ESPESOR		PESO DE HOJA POR KILOGRAMO				PESO
	PULGADA	MM	3' X 8'	3' X 10'	4' X 8'	4' X 10'	KG / M
16	0.060	1.524	27	34	36	45	12.09
18	0.048	1.219	22	27	29	36	9.67
20	0.036	0.914	16	20	22	27	7.25
22	0.030	0.762	13	17	18	22	6.05
24	0.024	0.610	11	13	14	18	4.84
26	0.019	0.493	9	11	-	-	3.57

PLACA DE HOJA

ESPESOR			PESO		PESO POR HOJA EN KILOGRAMOS											
PULGADA		MM	KG/M2	KG/PIE2	3' X 6'	3' X 8'	3' X 10'	4' X 8'	4' X 10'	5' X 10'	5' X 20'	6' X 20'	6' X 40'	8' X 20'	8' X 40'	10' X 40'
1/4	0.031	6.3	50.38	5	-	112*	140	150	187	234	468	562	-	749	-	-
5/16	0.312	7.9	62.97	6	-	140*	176	187	234	293	585	702	-	936	-	-
3/8	0.375	9.5	75.56	7	-	168*	211	225	281	351	702	842	1,685	1,123	2,246	2,808
7/16	0.437	11.1	88.05	8	-	-	246	-	-	-	-	982	-	-	-	-
1/2	0.500	12.7	100.75	9	-	225*	281	300	374	468	936	1,123	2,246	1,498	2,995	3,744
9/16	0.562	14.3	113.24	11	-	-	316	-	-	-	-	1,262	-	-	-	-
5/8	0.625	15.9	125.94	12	211	281	351	374	468	585	1,170	1,404	2,808	1,872	3,744	4,680
3/4	0.750	19.0	151.12	14	253	337	421	449	562	702	1,404	1,685	3,370	2,246	4,493	5,616
7/8	0.875	22.2	176.31	16	-	-	491	-	-	-	-	1,966	-	2,621	-	-
1	1	25.4	201.50	19	377	449	562	599	749	936	1,872	2,246	4,493	2,995	5,990	7,488
1 1/8	1.125	28.6	226.69	21	-	-	632	-	-	-	-	2,527	-	3,370	6,739	-
1 1/4	1.250	31.7	251.88	23	-	562	702	749	936	1,170	2,340	2,808	5,616	3,744	7,488	-
1 3/8	1.375	34.9	277.06	26	-	-	-	-	-	-	-	-	-	4,118	-	-
1 1/2	1.500	38.1	302.25	28	-	674	842	899	1,123	1,404	2,808	3,370	-	4,493	8,986	-
1 5/8	1.625	41.3	327.44	30	-	-	-	-	-	-	-	-	-	4,867	-	-
1 3/4	1.750	44.4	352.62	33	-	-	983	-	-	1,872	-	3,931	-	5,242	-	-
2	2	50.8	403.00	37	-	899	-	1,198	1,498	-	3,744	4,493	-	5,990	11,981	-
2 1/4	2.250	57.1	453.38	42	-	-	1,123	-	1,685	-	-	5,054	-	6,739	-	-
2 1/2	2.500	63.5	503.75	47	-	-	1,264	-	1,872	-	-	5,616	-	7,488	-	-
2 3/4	2.750	69.8	554.12	51	-	-	1,404	-	-	-	-	-	-	8,237	-	-
3	3	76.2	604.50	56	-	-	-	-	2,246	-	-	6,739	-	8,986	-	-
3 1/2	3.500	88.9	705.25	66	-	-	1,685	-	-	-	6,552	7,935	-	10,483	-	-
4	4	101.6	806.00	75	-	-	-	-	-	-	7,448	9069	-	11,981	-	-
4 1/2	4.500	114.3	906.75	84	-	-	-	-	-	-	-	-	-	13,478	-	-
5	5	127.0	1007.50	94	-	-	-	-	-	-	-	11,232	-	14,976	-	-
5 1/2	5.500	139.7	1108.25	103	-	-	-	-	-	-	-	12,355	-	16,474	-	-
6	6	152.4	1209.20	112	-	-	-	-	-	-	-	13,478	-	-	-	-

PLACA DE ROLLO

ESPESOR			PESO DE HOJA EN KILOGRAMO							
PULGADA		MM	3' X 8'	3' X 10'	4' X 8'	4' X 10'	5' X 10'	5' X 20'	6' X 20'	8' X 20'
3/16	0.187	4.8	84	105	112	140	176	351	421	562
1/4	0.250	6.3	112	140	150	187	234	468	562	749
5/16	0.312	7.9	140	176	187	234	293	585	702	935
3/8	0.375	9.5	168	211	225	281	351	702	842	1,123
7/16	0.437	11.1	-	-	-	-	-	-	982	-
1/2	0.500	12.7	225	281	300	374	468	936	1,123	1,498
5/8	0.625	15.9	281	351	374	468	585	1,170	1,404	1,872
3/4	0.750	19.0	337	421	449	562	702	1,404	1,685	2,246

PLACA TEMPER

ESPESOR			PESO POR HOJA EN KILOGRAMOS							
PULGADA		MM	3' X 8'	3' X 10'	4' X 8'	4' X 10'	5' X 10'	5' X 20'	6' X 20'	8' X 20'
3/16	0.187	4.8	84	105	112	140	176	351	421	562
1/4	0.250	6.3	112	140	150	187	234	468	562	749
5/16	0.312	7.9	140	176	187	234	293	585	702	935
3/8	0.375	9.5	168	211	225	281	351	702	842	1,123
7/16	0.437	11.1	-	-	-	-	-	-	982	-
1/2	0.500	12.7	225	281	300	374	468	936	1,123	1,498
5/8	0.625	15.9	281	351	374	468	585	1,170	1,404	1,872
3/4	0.750	19.0	337	421	449	562	702	1,404	1,685	2,246

PERFIL TEE

ESPESOR	ANCHO	ESPESOR	ANCHO	PESO
PULGADA		MM.		KG/M
1/8 X 1		3.2 X 25.4		1.31

POLÍN "C"

MEDIDA	DIMENSIONES	CALIBRE	ESPESOR	STOCK			LARGO (M)	KG/M	PIEZAS X PAQUETE	PESO X PAQUETE
				CO	AR	GVZ				
3"	3" X 1.5" X 0.5"	14	0.075"	●	*	*	6.00	2.61	60	940
	3" X 1.5" X 0.5"	16	0.060"	●	*	*	6.00	2.08	60	749
4"	4" X 2" X 0.75"	14	0.075"	●	*	*	6.00	3.40	48	979
	4" X 2" X 0.75"	16	0.060"	●	*	*	6.00	2.71	48	780
5"	5" X 2" X 0.75"	14	0.075"	●	*	*	6.00	3.80	48	1094
6"	6" X 2" X 0.75"	12	0.105"	●	◆	*	6.00	5.86	48	1688
	6" X 2" X 0.75"	14	0.075"	●	◆	●	6.00	4.19	48	1207
8"	8" X 2.75" X 0.75"	10	0.135"	●	◆	*	8.00	9.90	24	1901
	8" X 2.75" X 0.75"	12	0.105"	●	◆	*	8.00	7.96	24	1528
	8" X 2.75" X 0.75"	14	0.075"	●	*	*	6.00	5.70	24	821
	8" X 2.75" X 0.75"	14	0.075"	●	◆	●	8.00	5.70	24	1094
10"	10" X 2.75" X 0.75"	10	0.135"	●	◆	*	10.00	11.20	16	1792
	10" X 2.75" X 0.75"	12	0.105"	●	◆	*	10.00	9.06	16	1450
	10" X 2.75" X 0.75"	14	0.075"	●	*	●	10.00	6.49	16	1038
	10" X 3.5" X 0.75"	14	0.075"	*	◆	*	10.00	6.85	16	1096
12"	12" X 3.5" X 0.75"	10	0.135"	●	◆	*	12.00	13.60	12	1958
	12" X 3.5" X 1"	12	0.105"	●	◆	*	12.00	10.99	12	1583
	12" X 3.5" X 1"	14	0.075"	●	◆	●	12.00	7.87	12	1133
14"	14" X 3.5" X 1"	12	0.105"	*	*	*	14.00	12.10	12	2033
	14" X 3.5" X 1"	14	0.075"	*	*	*	14.00	8.70	12	1462

● Comercial pintado en rojo ◆ Alta resistencia pintado en gris ● Galvanizado natural * Fabricación especial

POLÍN "C" ESPECIALES

MEDIDA	DIMENSIONES	CALIBRE	ESPESOR	STOCK			LARGO (M)
				CO	AR	GVZ	
4"	4" X 1.5" X 0.75"	14	0.075"	*	*	*	ESPECIAL
	4" X 1.5" X 0.75"	16	0.060"	*	*	*	ESPECIAL
6"	6" X 2.75" X 0.75"	14	0.075"	*	*	*	ESPECIAL
8"	8" X 2.5" X 0.75"	12	0.105"	*	*	*	ESPECIAL
	8" X 2.5" X 0.75"	14	0.075"	*	*	*	ESPECIAL
	8" X 2.5" X 0.75"	14	0.075"	*	*	*	ESPECIAL
	8" X 3" X 0.75"	14	0.075"	*	*	*	ESPECIAL
	8" X 3.5" X 0.75"	14	0.075"	*	*	*	ESPECIAL
10"	10" X 3.5" X 0.75"	10	0.135"	*	*	*	ESPECIAL
	10" X 3.5" X 0.75"	12	0.105"	*	*	*	ESPECIAL
	10" X 3.5" X 0.75"	14	0.075"	*	*	*	ESPECIAL

POLÍN "Z"

MEDIDA	DIMENSIONES	CALIBRE	ESPESOR	STOCK			LARGO (M)	KG/M
				CO	AR	GVZ		
6" Cal12	6" X 2" X 0.75"	12	0.105"	*	*	*	ESPECIAL	5.86
6" Cal14	6" X 2" X 0.75"	14	0.075"	*	*	*	ESPECIAL	4.19
8" Cal10	8" X 2.75" X 0.75"	10	0.135	*	*	*	ESPECIAL	9.90
8" Cal12	8" X 2.75" X 0.75"	12	0.105"	*	*	*	ESPECIAL	7.96
8" Cal14	8" X 2.75" X 0.75"	14	0.075"	*	*	*	ESPECIAL	5.70
8" Cal14	8" X 3" X 0.75"	14	0.075"	*	*	*	ESPECIAL	5.88
10" Cal10	10" X 2.75" X 0.75"	10	0.135	*	*	*	ESPECIAL	11.20
10" Cal12	10" X 2.75" X 0.75"	12	0.105"	*	*	*	ESPECIAL	9.06
10" Cal14	10" X 2.75" X 0.75"	14	0.075"	*	*	*	ESPECIAL	6.49
10" Cal14	10" X 3.5" X 0.75"	14	0.075"	*	*	*	ESPECIAL	6.85
12" Cal10	12" X 3.5" X 0.75"	10	0.135	*	*	*	ESPECIAL	13.60
12" Cal12	12" X 3.5" X 1"	12	0.105"	*	*	*	ESPECIAL	10.99
12" Cal14	12" X 3.5" X 1"	14	0.075"	*	*	*	ESPECIAL	7.87
14" Cal12	12" X 3.5" X 1"	12	0.105"	*	*	*	ESPECIAL	12.10
14" Cal14	12" X 3.5" X 1"	14	0.075"	*	*	*	ESPECIAL	8.70

PTR CUADRADO

DIMENSIONES	CALIBRE	ESPESOR	STOCK				LARGO (M)	KG/M	NORMA	PIEZAS X PAQUETE	PESO X PAQUETE
			PINT	NEG	GVZ	GVZ NEG					
1/2" X 1/2"	20	0.036"	*	*	*	*	6.00	0.34	A513	231	471
	18	0.048"	*	*	*	*	6.00	0.44	A513	231	610
5/8" X 5/8"	20	0.036"	*	*	*	*	6.00	0.43	A513	252	650
	18	0.048"	*	*	*	*	6.00	0.56	A513	252	847
3/4" X 3/4"	20	0.036"	●	*	◆		6.00	0.52	A513	121	378
	18	0.048"	●	●	◆		6.00	0.68	A513	121	494
	16	0.060"	●	●			6.00	0.84	A513	121	610
	14	0.075"	●	●			6.00	1.02	A513	121	741
1" X 1"	20	0.036"	●	●	◆		6.00	0.70	A513	100	420
	18	0.048"	●	●	◆		6.00	0.92	A513	100	552
	16	0.060"	●	●			6.00	1.14	A513	100	684
	14	0.075"	●	●	■		6.00	1.40	A513	100	840
	13	0.090"	●	●			6.00	1.65	A513	100	990
	12	0.105"	●	●			6.00	1.90	A513	100	1140
	11	0.120"	●	●			6.00	1.94	A500-B	100	1164
	10	0.135"	●	●			6.00	2.12	A500-B	100	1272
1 1/4" X 1 1/4"	20	0.036"	●	●	◆		6.00	0.88	A513	81	428
	18	0.048"	●	●	◆		6.00	1.16	A513	81	564
	16	0.060"	●	●			6.00	1.44	A513	100	864
	14	0.075"	●	●	■		6.00	1.78	A513	100	1068
	12	0.105"	●	●			6.00	2.42	A513	100	1452
1 1/2" X 1 1/2"	20	0.036"	●	●	◆		6.00	1.06	A513	49	312
	18	0.048"	●	●	◆		6.00	1.40	A513	49	412
	16	0.060"	●	●			6.00	1.74	A513	100	1044
	14	0.075"	●	●	■		6.00	2.15	A513	64	826
	12	0.105"	●	●			6.00	2.95	A513	64	1133
	11	0.120"	●	●			6.00	3.15	A500-B	64	1210
	9	0.150"	●	●			6.00	3.79	A500-B	64	1455
2" X 2"	18	0.048"	●	●	*		6.00	1.89	A513	64	726
	16	0.060"	●	●			6.00	2.35	A513	64	902
	14	0.075"	●	●	■		6.00	2.91	A513	64	1117
	12	0.105"	●	●			6.00	4.01	A513	64	1540
	11	0.120"	●	●			6.00	4.36	A500-B	64	1674
	10	0.135"	●	●			6.00	4.84	A500-B	64	1859
	9	0.150"	●	●			6.00	5.31	A500-B	64	2039
	7	0.180"	●	●			6.10	6.43	A500-B	36	1412
	1/4	0.250"	●	●			6.10	8.04	A500-B	36	1766

PTR CUADRADO

DIMENSIONES	CALIBRE	ESPESOR	STOCK				LARGO (M)	KG/M	NORMA	PIEZAS X PAQUETE	PESO X PAQUETE
			PINT	NEG	GVZ	GVZ					
2 1/2" X 2 1/2"	14	0.075"	●	*			6.00	3.67	A513	42	925
	12	0.105"	●				6.00	5.07	A513	36	1095
	11	0.120"	●				6.00	5.57	A500-B	36	1203
	10	0.135"	●				6.00	6.20	A500-B	36	1339
	7	0.180"	●				6.10	8.34	A500-B	36	1831
	1/4"	0.250"	●				6.10	10.57	A500-B	36	2321
3" X 3"	14	0.075"	●				6.00	4.42	A513	42	1132
	11	0.120"	●				6.10/12.20	6.78	A500-B	36	1489/2978
	9	0.150"	●				6.10	8.33	A500-B	25	1270
	7	0.180"	●				6.10	10.24	A500-B	25	1562
	1/4"	0.250"	●				6.10/12.20	13.10	A500-B	25/20	1998/3196
3 1/2" X 3 1/2"	11	0.120"	●				6.10	7.99	A500-B	36	1755
	9	0.150"	●				6.10	9.85	A500-B	25	1502
	7	0.180"	●				6.10	12.14	A500-B	25	1851
	1/4"	0.250"	●				6.10/12.20	15.63	A500-B	16	1525/3051
4" X 4"	14	0.075"	●				6.00	5.93	A513	30	1085
	1/8"	0.125"	●				6.10/12.20	9.21	A500-B	30/20	1685/2247
	9	0.150"	●				6.10	11.36	A500-B	25	1732
	3/16"	0.187"	●				6.10/12.20	14.04	A500-B	25/20	2141/3426
	1/4"	0.250"	●				6.10/12.20	18.16	A500-B	16	1772/3545
5" X 5"	1/8"	0.125"	●				6.10/12.20	11.63	A500-B	20/16	1419/2270
	3/16"	0.187"	●				6.10/12.20	17.85	A500-B	16	1742/3484
	1/4"	0.250"	●				6.10/12.20	23.22	A500-B	12	1700/3400

- Sin fondear y con aceite / también disponible en Largo Especial bajo pedido
- ◆ Galvanizado Verde
- Galvanizado Natural
- Pintado (C18 Rojo / C20 Café)
- * Fabricación Especial

PTR RECTANGULAR

DESCRIPCIÓN	DIMENSIONES	CALIBRE	ESPESOR	STOCK				LARGO (M)	KG/M	NORMA	PIEZAS X PAQUETE	PESO X PAQUETE
				PINT	NEG	GVZ	RWZ					
R100	1" X 1/2"	18	0.048"	●			◆	6.00	0.68	A513	120	490
R125	1 1/4" X 3/4"	20	0.036"	●			◆	6.00	0.70	A513	99	416
		18	0.048"	●				6.00	0.92	A513	99	546
R155	1 1/2" X 1/2"	20	0.036"	*	*	*	*	6.00	0.70	A513	98	412
		18	0.048"	*	*	*	*	6.00	0.92	A513	98	541
R151	1 1/2" X 1"	20	0.036"	*	*	*	*	6.00	0.88	A513	84	444
		18	0.048"	*	*	*	*	6.00	1.16	A513	84	585
		16	0.060"	*	*	*	*	6.00	1.44	A513	100	864
		14	0.075"	*	*	*	*	6.00	1.78	A513	84	897
		11	0.120"	*	*	*	*	6.00	2.55	A513	63	936
R175	1 3/4" X 3/4"	20	0.036"	●			◆	6.00	0.88	A513	84	444
		18	0.048"	●				6.00	1.16	A513	84	585
R200	2" X 1"	20	0.036"	●			◆	6.00	1.06	A513	50	318
		18	0.048"	●	●		◆	6.00	1.40	A513	50	420
		14	0.075"			*		6.00	2.15	A513	80	1032
		11	0.120"		●			6.00	3.15	A500-B	80	1512
R225	2 1/4" X 3/4"	20	0.036"	●			◆	6.00	1.06	A513	55	350
		18	0.048"	●				6.00	1.40	A513	55	462
R249	2 1/2" X 1 1/4"	20	0.036"	●			◆	6.00	1.34	A513	54	434
		18	0.048"	●				6.00	1.77	A513	54	573
R250	2 1/2" X 1 1/2"	14	0.075"			*		6.00	2.91	A513	48	838
R301	3" X 1"	18	0.048"	*	*	*	*	6.00	1.89	A513	48	544
		16	0.060"	*	*	*	*	6.00	2.35	A513	48	676
		14	0.075"	*	*	*	*	6.00	2.91	A513	48	838
		11	0.120"	*	*	*	*	6.00	4.36	A500-B	48	1256
		10	0.135"	*	*	*	*	6.00	4.84	A500-B	48	1394
R300	3" X 1 1/2"	20	0.036"	●			*	6.00	1.61	A513	48	464
		18	0.048"	●	●		◆	6.00	2.13	A513	70	895
		14	0.075"			*		6.00	3.29	A513	70	1382
		11	0.120"		●			6.00	4.90	A500-B	70	2058
R302	3" X 2"	14	0.075"		●			6.00	3.67	A513	49	1079
		11	0.120"		●			6.00	5.57	A500-B	42	1404
		10	0.135"		●			6.00	6.20	A500-B	42	1562
		7	0.180"		●			6.00	8.34	A500-B	36	1831
		1/4"	0.250"		●			6.00	10.57	A500-B	36	2321
R400	4" X 1 1/2"	14	0.075"		*			6.00	4.04	A513	35	848
R402	4" X 2"	14	0.075"		●			6.00	4.42	A513	40	1061
		11	0.120"		●			6.00	6.78	A500-B	32	1302
		9	0.150"		●			6.00	8.33	A500-B	32	1599
		7	0.180"		●			6.10	10.24	A500-B	28	1749
		1/4"	0.250"		●			6.10/12.20	13.13	A500-B	20	1602/3204
R403	4" X 3"	14	0.07		●			6.00	5.18	A513	42	1328
		11	0.120		●			6.10	7.99	A500-B	30	1462
		9	0.150		●			6.10/12.20	9.85	A500-B	25	1502/3004
		7	0.180		●			6.10	12.14	A500-B	20	1481
		1/4"	0.250		●			6.10/12.20	15.63	A500-B	16	152/3051
R502	5" X 2"	11	0.120	*				6.10	7.99	A500-B	20	975
		7	0.180	*				6.10	12.14	A500-B	20	1481
R503	5" X 3"	14	0.075		●			6.00	5.93	A513	35	1266
		1/8"	0.125		●			6.10/12.20	9.21	A500-B	35	1966/3933
		3/16"	0.187		●			6.10/12.20	14.03	A500-B	24	2054/4108
		1/4"	0.250		●			6.10/12.20	18.16	A500-B	18	1994/3988
R602	6" X 2"	14	0.075		●			6.10	5.93	A513	16	579
		1/8"	0.125		●			6.10/12.20	9.21	A500-B	16	899/1798
		3/16"	0.187		●			6.10/12.20	14.03	A500-B	16	1369/2739
		1/4"	0.250		●			6.10/12.20	18.16	A500-B	16	1772/3545
R604	6" X 4"	1/8"	0.125		●			6.10/12.20	11.63	A500-B	20/12	1419/1703
		3/16"	0.187		●			6.10/12.20	17.85	A500-B	20/12	2178/3484
		1/4"	0.250		●			6.10/12.20	12.22	A500-B	12	1700/3399
R803	8" X 3"	1/8"	0.125		●			12.20	13.61	A500-B	12	1993
		3/16"	0.187		●			12.20	20.00	A500-B	12	2928

REJILLA ELECTROFORJADA

TAMAÑO DE SOLERA		PESO	CLARO MÁXIMO	
PULGADA	MM	KG/M2	CARGA HUMANA (M)	CARGA PESADA (M)
1/8 X1	3.2 X 25.4	25.50	1.29	-
1/8 X 11/4	3.2 X 31.7	31.16	1.63	-
3/16 X1	4.8 X 25.4	38.83	1.50	0.20
3/16 X 11/4	4.8 X 31.7	45.17	1.70	0.25

SOLERA SLITTER

PULGADA	MILIMETROS		KG/M
1/8	1/2	12.7	0.32
	3/4	19.0	0.47
	1	25.4	0.63
	11/4	31.7	0.79
	11/2	38.1	0.95
	2	50.8	1.27
	2 1/2	63.5	1.58
	3	76.2	1.90
3/16	4	101.6	2.54
	1/2	12.7	0.47
	3/4	19.0	0.71
	1	25.4	0.95
	11/4	31.7	1.19
	11/2	38.1	1.42
	2	50.8	1.90
	2 1/2	63.5	2.38
	3	76.2	2.84
	4	101.6	3.80
1/4	6	152.4	5.68
	8	203.2	7.60
	1	25.4	1.27
	2	50.8	2.53

SOLERAS

PULGADA		MILIMETROS		KG/M
1/8	1/2	3.2	12.7	0.32
	3/4		19.0	0.47
	1		25.4	0.63
	1 1/4		31.7	0.79
	1 1/2		38.1	0.95
	2		50.8	1.27
	2 1/2		63.5	1.58
	3		76.2	1.90
3/16	4	4.8	101.6	2.54
	1/2		12.7	0.47
	3/4		19.0	0.71
	1		25.4	0.95
	1 1/4		31.7	1.19
	1 1/2		38.1	1.42
	2		50.8	1.90
	2 1/2		63.5	2.38
1/4	3	6.3	76.2	2.84
	4		101.6	3.80
	5		152.4	5.68
	6		203.2	7.60
	1/2		12.7	0.63
	3/4		19.0	0.95
	1		25.4	1.27
	1 1/4		31.7	1.58
3/8	1 1/2	9.5	38.1	1.90
	2		50.8	2.53
	2 1/2		63.5	3.17
	3		76.2	3.79
	4		101.6	5.06
	5		127.0	6.32
	6		152.4	7.59
	8		203.2	10.13
1/2	10	12.7	254.0	12.66
	12		304.8	15.18
	1		25.4	1.90
	1 1/4		31.7	2.38
	1 1/2		38.1	2.84
	2		50.8	3.79
	2 1/2		63.5	4.75
	3		76.2	5.70
5/8	4	15.9	101.6	7.59
	5		127.0	9.49
	6		152.4	11.40
	8		203.2	15.18
	10		254.0	18.99
	12		304.8	22.80
3/4	1	19.0	25.4	1.90
	1 1/4		31.7	2.38
	1 1/2		38.1	2.84
	2		50.8	3.79
	2 1/2		63.5	4.75
	3		76.2	5.70
	4		101.6	7.59
	5		127.0	9.49
1	6	25.4	152.4	11.40
	8		203.2	15.18
	10		254.0	18.99
	12		304.8	22.80
	1 1/4		31.7	2.38
	1 1/2		38.1	2.84
	2		50.8	3.79
	2 1/2		63.5	4.75
1 1/8	3	31.7	76.2	5.70
	4		101.6	7.59
	5		127.0	9.49
	6		152.4	11.40
	8		203.2	15.18
	10		254.0	18.99
	12		304.8	22.80
	1 1/4		31.7	2.38
1 1/4	1 1/2	38.1	38.1	2.84
	2		50.8	3.79
	2 1/2		63.5	4.75
	3		76.2	5.70
	4		101.6	7.59
	5		127.0	9.49
	6		152.4	11.40
	8		203.2	15.18
1 1/2	10	50.8	254.0	18.99
	12		304.8	22.80
	1 1/4		31.7	2.38
	1 1/2		38.1	2.84
	2		50.8	3.79
	2 1/2		63.5	4.75
	3		76.2	5.70
	4		101.6	7.59
2	5	76.2	127.0	9.49
	6		152.4	11.40
	8		203.2	15.18
	10		254.0	18.99
	12		304.8	22.80
	1 1/4		31.7	2.38
	1 1/2		38.1	2.84
	2		50.8	3.79
2 1/2	2 1/2	101.6	63.5	4.75
	3		76.2	5.70
	4		101.6	7.59
	5		127.0	9.49
	6		152.4	11.40
	8		203.2	15.18
	10		254.0	18.99
	12		304.8	22.80
3	12	152.4	304.8	22.80
	1 1/4		31.7	2.38
	1 1/2		38.1	2.84
	2		50.8	3.79
	2 1/2		63.5	4.75
	3		76.2	5.70
	4		101.6	7.59
	5		127.0	9.49
4	6	203.2	152.4	11.40
	8		203.2	15.18
	10		254.0	18.99
	12		304.8	22.80
	1 1/4		31.7	2.38
	1 1/2		38.1	2.84
	2		50.8	3.79
	2 1/2		63.5	4.75
5	3	254.0	76.2	5.70
	4		101.6	7.59
	5		127.0	9.49
	6		152.4	11.40
	8		203.2	15.18
	10		254.0	18.99
	12		304.8	22.80
	1 1/4		31.7	2.38
6	1 1/2	304.8	38.1	2.84
	2		50.8	3.79
	2 1/2		63.5	4.75
	3		76.2	5.70
	4		101.6	7.59
	5		127.0	9.49
	6		152.4	11.40
	8		203.2	15.18
8	10	304.8	254.0	18.99
	12		304.8	22.80
	1 1/4		31.7	2.38
	1 1/2		38.1	2.84
	2		50.8	3.79
	2 1/2		63.5	4.75
	3		76.2	5.70
	4		101.6	7.59
10	5	304.8	127.0	9.49
	6		152.4	11.40
	8		203.2	15.18
	10		254.0	18.99
	12		304.8	22.80
	1 1/4		31.7	2.38
	1 1/2		38.1	2.84
	2		50.8	3.79
12	2 1/2	304.8	63.5	4.75
	3		76.2	5.70
	4		101.6	7.59
	5		127.0	9.49
	6		152.4	11.40
	8		203.2	15.18
	10		254.0	18.99
	12		304.8	22.80

PULGADA		MILIMETROS		KG/M
3/4	1 1/2	19.0	38.1	5.70
	2		50.8	7.59
	2 1/2		63.5	9.49
	3		76.2	11.40
	4		101.6	15.18
	5		127.0	18.99
	6		152.4	22.80
	8		203.2	30.36
1	10	25.4	254.0	37.97
	12		304.8	45.59
	2		50.8	7.59
	3		76.2	11.40
	4		101.6	15.18
	6		152.4	22.80
	8		203.2	30.36
	10		254.0	37.97
5/16	12	7.9	304.8	45.59
	6		152.4	22.80
	8		203.2	30.36
	10		254.0	37.97
	12		304.8	45.59
	6		152.4	22.80
	8		203.2	30.36
	10		254.0	37.97
3/8	12	9.5	304.8	45.59
	6		152.4	22.80
	8		203.2	30.36
	10		254.0	37.97
	12		304.8	45.59
	6		152.4	22.80
	8		203.2	30.36
	10		254.0	37.97
1/2	12	12.7	304.8	45.59
	6		152.4	22.80
	8		203.2	30.36
	10		254.0	37.97
	12		304.8	45.59
	6		152.4	22.80
	8		203.2	30.36
	10		254.0	37.97
5/8	12	15.9	304.8	45.59
	6		152.4	22.80
	8		203.2	30.36
	10		254.0	37.97
	12		304.8	45.59
	6		152.4	22.80
	8		203.2	30.36
	10		254.0	37.97
3/4	12	19.0	304.8	45.59
	6		152.4	22.80
	8		203.2	30.36
	10		254.0	37.97
	12		304.8	45.59
	6		152.4	22.80
	8		203.2	30.36
	10		254.0	37.97
1	12	25.4	304.8	45.59
	6		152.4	22.80
	8		203.2	30.36
	10		254.0	37.97
	12		304.8	45.59
	6		152.4	22.80
	8		203.2	30.36
	10		254.0	37.97

TUBO CERQUERO

DIÁMETRO NOMINAL	DIÁMETRO EXTERIOR	DIÁMETRO EXTERIOR (MM)	CALIBRE	PULGADAS	MM	STOCK GVZ	KG/M	NORMA	PIEZAS X PAQUETE	PIEZAS X PAQUETE (KG)
1"	1.000"	26.67	C20 C18	0.036" 0.048"	0.91 1.22	●	0.036" 0.048"	A513 A513	137 137	403 592
1 3/8"	1.315"	33.40	C20 C18	0.036" 0.048"	0.91 1.22	●	0.036" 0.048"	A513 A513	127 91	556 524
1 1/2"	1.500"	38.10	C20 C18	0.036" 0.048"	0.91 1.22	●	0.036" 0.048"	A513 A513	95 95	479 627
1 5/8"	1.660"	42.16	C20 C18	0.036" 0.048"	0.91 1.22	●	0.036" 0.048"	A513 A513	127 127	709 930
1 7/8"	1.900"	48.26	C20 C18	0.036" 0.048"	0.91 1.22	●	0.036" 0.048"	A513 A513	67 67	426 567
2 1/2"	2.375"	60.32	C18	0.048"	1.22	●	0.048"	A513	60	637

TUBO ESTRUCTURAL

DIÁMETRO NOMINAL	DIÁMETRO EXTERIOR	DIÁMETRO INTERIOR	ESPESOR	LARGOS	PESO	PIEZAS X PAQUETE
PULGADA	PULGADA	PULGADA	CALIBRE	MTS.	KG/M	
6"	6.625"	6.125"	0.250"	6.1/12.2	25.41	10
8"	8.625"	8.125"	0.250"	6.1/12.2	35.57	N/A
	8.625"	7.981"	0.322"	6.1/12.2	44.10	N/A
10"	10.750"	10.250"	0.250"	12.20	41.88	N/A
	10.750"	10.000"	0.365"	12.20	60.33	N/A
12"	12.750"	12.250"	0.250"	12.20	49.84	N/A
	12.750"	12.000"	0.375"	12.20	73.91	N/A
14"	14.000"	13.250"	0.375"	12.20	81.41	N/A
16"	16.000"	15.000"	0.500"	12.20	123.44	N/A

TUBO INDUSTRIAL

DIÁMETRO NOMINAL	ESPESOR	LARGOS	PESO	PIEZAS X PAQUETE	PESO X PAQUETE (KG)
PULGADA	CALIBRE	MTS.	KG/M		
1/2"	C22	6.00	0.22	228	301
	C20	6.00	0.26	228	355
	C18	6.00	0.34	228	465
5/8"	C22	6.00	0.28	216	362
	C20	6.00	0.34	216	441
	C18	6.00	0.44	216	570
3/4"	C22	6.00	0.34	186	379
	C20	6.00	0.41	186	458
	C18	6.00	0.53	186	591
1"	C20	6.00	0.55	137	452
	C18	6.00	0.72	137	592
	C16	6.00	0.89	137	732
1 1/4"	C20	6.00	0.69	124	513
	C18	6.00	0.91	124	677
	C16	6.00	1.13	124	840
1 1/2"	C20	6.00	0.84	95	478
	C18	6.00	1.10	95	627
	C16	6.00	1.37	91	748
	C14	6.00	1.69	91	923
2"	C20	6.00	1.12	67	450
	C18	6.00	1.48	67	594
	C16	6.00	1.84	61	673
	C14	6.00	2.29	61	838

TUBO CÉDULA 30

DIÁMETRO NOMINAL	DIÁMETRO EXTERIOR	DIÁMETRO INTERIOR	ESPESOR	LARGOS	PESO	PIEZAS X PAQUETE	PESO X PAQUETE (KG)
PULGADA	PULGADA	PULGADA	CALIBRE	MTS.	KG/M		
1/2"	0.840"	0.660"	C14	6.00	0.91	169	923
3/4"	1.050"	0.900"	C14	6.00	1.16	127	884
1"	1.315"	1.165"	C14	6.00	1.47	127	1,120
1 1/4"	1.660"	1.480"	C13	6.00	2.24	91	1,223
1 1/2"	1.900"	1.720"	C13	6.00	2.58	61	944
2"	2.375"	2.165"	C12	6.00	3.77	44	995
2 1/2"	2.875"	2.665"	C12	6.10	4.61	24	675
3"	3.500"	3.260"	C11	6.10	6.43	24	941
4"	4.500"	4.260"	C11	6.10	8.33	24	1,220
6"	6.625"	6.250"	0.187"	6.10	19.23	10	1,173

TUBO CÉDULA 40

DIÁMETRO NOMINAL	DIÁMETRO EXTERIOR	DIÁMETRO INTERIOR	ESPESOR	LARGOS	PESO	PIEZAS X PAQUETE	PESO X PAQUETE (KG)
PULGADA	PULGADA	PULGADA	CALIBRE	MTS.	KG/M		
1/2"	0.840"	0.630"	C12	6.00	1.22	91	666
3/4"	1.050"	0.840"	C12	6.00	1.57	127	1,196
1"	1.315"	1.049"	C10	6.00	2.52	127	1,920
1 1/4"	1.660"	1.380"	C10	6.00	3.26	91	1,780
1 1/2"	1.900"	1.610"	C10	6.00	4.16	61	1,522
2"	2.375"	2.067"	C09	6.00	5.29	44	1,397
2 1/2"	2.875"	2.500"	0.187"	6.10	8.62	24	1,262
3"	3.500"	3.068"	0.225"	6.10	11.67	24	1,708
4"	4.500"	4.026"	0.225"	6.10	15.24	24	2,231
6"	6.625"	6.065"	0.280"	6.10	28.24	10	1,723

VIGA IPR

DIMENSIONES		PESO		PERALTE		ANCHO DEL PATÍN		ESPESOR DEL PATÍN		ESPESOR DEL ALMA	
PULGADA	MM	KG/M	LB/FT	PULG	MM	PULG	MM	PULG	MM	PULG	MM
4" X 4"	101.6 X 101.6	19.3	13	4.16	106	4.06	103	0.35	8.9	0.28	7.1
5" X 5"	127.0 X 127.0	23.8	16	5.01	127	5.00	127	0.36	9.1	0.24	6.1
		28.3	19	5.15	131	5.03	128	0.43	10.9	0.27	6.9
6" X 4"	152.4 X 101.6	12.7	8.5	5.83	148	3.94	100	0.19	4.8	0.17	4.3
		13.4	9	5.90	150	3.94	100	0.22	5.6	0.17	4.3
		17.9	12	6.03	153	4.00	102	0.28	7.1	0.23	5.8
		23.8	16	6.28	160	4.03	102	0.41	10.4	0.26	6.6
6" X 6"	152.4 X 152.4	22.3	15	5.99	152	5.99	152	0.26	6.6	0.23	5.8
		29.8	20	6.20	157	6.02	153	0.37	9.4	0.26	6.6
		37.2	25	6.38	162	6.08	154	0.46	11.7	0.32	8.1
8" X 4"	203.2 X 101.6	14.9	10	7.89	200	3.94	100	0.21	5.3	0.17	4.3
		19.3	13	7.99	203	4.00	102	0.26	6.6	0.23	5.8
		22.3	15	8.11	206	4.02	102	0.32	8.1	0.25	6.3
8" X 5 1/4"	203.2 X 133.3	26.8	18	8.14	207	5.25	133	0.33	8.4	0.23	5.8
		31.3	21	8.28	210	5.27	134	0.40	10.2	0.25	6.3
8" X 6 1/2"	203.2 X 165.1	35.7	24	7.93	201	6.50	165	0.40	10.2	0.25	6.3
		41.7	28	8.06	205	6.54	166	0.47	11.9	0.29	7.4
8" X 8"	203.2 X 203.2	46.1	31	8.00	203	8.00	203	0.44	11.2	0.29	7.4
		52.1	35	8.12	206	8.02	204	0.50	12.7	0.31	7.9
		59.5	40	8.25	210	8.07	205	0.56	14.2	0.36	9.1
		71.4	48	8.50	216	8.11	206	0.69	17.4	0.40	10.2
		86.0	58	8.74	222	8.23	209	0.81	20.6	0.51	13.0
		99.0	67	9.02	229	8.27	210	0.93	23.7	0.57	14.5
10" X 4"	254.0 X 101.6	17.9	12	9.87	251	3.96	101	0.21	5.3	0.19	4.8
		22.3	15	9.99	254	4.00	102	0.27	6.9	0.23	5.8
		25.3	17	10.11	257	4.01	102	0.33	8.4	0.24	6.1
		28.3	19	10.24	260	4.02	102	0.40	10.2	0.25	6.3
10" X 5 3/4"	254.0 X 146.0	32.7	22	10.17	258	5.75	146	0.36	9.1	0.24	6.1
		38.7	26	10.33	262	5.77	147	0.44	11.2	0.26	6.6
		44.6	30	10.47	266	5.81	148	0.51	13.0	0.30	7.6
10" X 8"	254.0 X 203.2	49.1	33	9.73	247	7.96	202	0.44	11.2	0.29	7.4
		58.0	39	9.92	252	7.99	203	0.53	13.5	0.32	8.1
		67.0	45	10.10	257	8.02	204	0.62	15.7	0.35	8.9
10" X 10"	254.0 X 254.0	72.9	49	9.98	253	10.00	254	0.56	14.2	0.34	8.6
		80.4	54	10.09	256	10.03	255	0.62	15.7	0.37	9.4
		89.4	60	10.22	260	10.08	256	0.68	17.3	0.42	10.7
		101.2	68	10.40	264	10.13	257	0.77	19.6	0.47	11.9
		114.6	77	10.60	269	10.19	259	0.87	22.1	0.53	13.5
		131.1	88	10.84	275	10.26	261	0.99	25.1	0.61	15.4
		148.9	100	11.10	282	10.35	263	1.12	28.4	0.68	17.3
		167.0	112	11.38	289	10.43	265	1.25	31.8	0.76	19.2
12" X 4"	304.8 X 101.6	20.8	14	11.91	303	3.97	101	0.23	5.8	0.20	5.1
		23.8	16	11.99	305	3.99	101	0.27	6.9	0.22	5.6
		28.3	19	12.16	309	4.01	102	0.35	8.9	0.24	6.1
		32.7	22	12.31	313	4.03	102	0.43	10.9	0.26	6.6
12" X 6 1/2"	304.8 X 165.1	38.7	26	12.22	310	6.49	165	0.38	9.7	0.23	5.8
		44.6	30	12.34	313	6.52	166	0.44	11.2	0.26	6.6
		52.1	35	12.50	317	6.56	167	0.52	13.2	0.30	7.6
12" X 8"	304.8 X 254.0	59.5	40	11.94	303	8.01	203	0.52	13.2	0.30	7.6
		67.0	45	12.06	306	8.05	204	0.58	14.7	0.34	8.6
		74.4	50	12.19	310	8.08	205	0.64	16.3	0.37	9.4
12" X 10"	304.8 X 254.0	78.9	53	12.06	306	10.00	254	0.58	14.7	0.35	8.9
		86.3	58	12.19	310	10.01	254	0.64	16.3	0.36	9.1
12" X 12"	304.8 X 304.8	96.7	65	12.12	308	12.00	305	0.61	15.5	0.39	9.9
		107.1	72	12.25	311	12.04	306	0.67	17.0	0.43	10.9
		117.6	79	12.38	314	12.08	307	0.74	18.8	0.47	11.9
		129.6	87	12.53	318	12.13	308	0.81	20.6	0.52	13.1
		142.9	96	12.71	323	12.16	309	0.90	22.9	0.55	14.0
		157.9	106	12.89	327	12.22	310	0.99	25.1	0.61	15.5
		178.6	120	13.12	333	12.32	313	1.10	28.1	0.71	18.0
		202.4	136	13.41	341	12.40	315	1.25	31.8	0.79	20.1
		226.2	152	13.71	348	12.4857	317	1.40	35.6	0.87	22.1
		253.0	170	14.03	356	253.0	319	1.56	39.6	0.96	24.4
14" X 5"	355.6 X 127.0	32.7	22	13.74	349	5.00	127	0.34	8.6	0.23	5.8
		38.7	26	13.91	353	5.03	128	0.42	10.7	0.26	6.1

VIGA IPR

DIMENSIONES		PESO		PERALTE		ANCHO DEL PATÍN		ESPESOR DEL PATÍN		ESPESOR DEL ALMA	
PULGADA	MM	KG/M	LB/FT	PULG	MM	PULG	MM	PULG	MM	PULG	MM
14" x 6 3/4"	355.6 x 171.4	44.6	30	13.84	352	6.73	171	0.39	9.9	0.27	6.9
		50.6	34	13.98	355	6.75	171	0.46	11.7	0.29	7.4
		56.5	38	14.10	358	6.77	172	0.52	13.2	0.31	7.9
14" x 8"	355.6 x 203.2	64.0	43	13.66	347	8.00	203	0.53	13.5	0.31	7.9
		71.4	48	13.79	350	8.03	204	0.60	15.2	0.34	8.6
		78.9	53	13.92	354	8.06	205	0.66	16.8	0.37	9.4
14" x 10"	355.6 x 254.0	90.8	61	13.89	353	10.00	254	0.65	16.5	0.38	9.7
		101.2	68	14.04	357	10.04	255	0.72	18.3	0.42	10.7
		110.1	74	14.17	360	10.07	256	0.79	20.1	0.45	11.4
14" x 14 1/2"	355.6 x 368.3	122.0	82	14.31	363	10.13	257	0.86	21.8	0.51	13.0
		133.9	90	14.02	356	14.52	369	0.71	18.0	0.44	11.2
		147.3	99	14.16	360	14.57	370	0.78	19.8	0.49	12.4
14" x 16"	355.6 x 406.4	162.2	109	14.32	364	14.61	371	0.86	21.8	0.53	13.5
		178.6	120	14.48	368	14.67	373	0.94	23.9	0.59	15.0
		196.4	132	14.66	372	14.73	374	1.03	26.2	0.65	16.5
16" X 5 1/2"	406.4 x 139.7	215.8	145	14.78	375	15.50	394	1.09	27.7	0.68	17.3
		236.6	159	14.98	380	15.57	395	1.19	30.2	0.75	19.0
		261.9	176	15.22	387	15.65	398	1.31	33.3	0.83	21.1
16" x 7"	406.4 x 177.8	287.2	193	15.48	393	15.71	399	1.44	36.6	0.89	22.6
		314.0	211	15.72	399	15.80	401	1.56	39.6	0.98	24.9
		346.7	233	16.04	407	15.89	404	1.72	43.7	1.07	27.2
16" x 10 1/4"	406.4 x 260.3	382.4	257	16.38	416	15.99	406	1.89	48.0	1.17	29.7
		421.1	283	16.74	425	16.11	409	2.07	52.6	1.29	32.8
		462.8	311	17.12	434	16.23	412	2.26	57.4	1.41	35.8
16" x 7"	406.4 x 177.8	38.7	26	15.69	399	5.50	140	0.35	8.9	0.25	6.3
		46.1	31	15.88	403	5.53	140	0.44	11.2	0.28	7.1
16" x 7"	406.4 x 177.8	53.6	36	15.86	403	6.99	178	0.43	10.9	0.30	7.6
		59.5	40	16.01	407	7.00	178	0.51	13.0	0.31	7.9
		67.0	45	16.13	410	7.04	179	0.57	14.5	0.35	8.9
16" x 10 1/4"	406.4 x 260.3	74.4	50	16.26	413	7.07	180	0.63	16.0	0.38	9.7
		84.8	57	16.43	417	7.12	181	0.72	18.3	0.43	10.9
16" x 10 1/4"	406.4 x 260.3	99.7	67	16.33	415	10.24	260	0.67	17.0	0.40	10.2
		114.6	77	16.52	420	10.30	262	0.76	19.3	0.46	11.7
		132.6	89	16.75	425	10.37	263	0.88	22.2	0.53	13.3
18" x 6"	457.2 x 152.4	149.0	100	16.97	431	10.43	265	0.99	25.0	0.59	14.9
		52.1	35	17.70	450	6.00	152	0.43	10.9	0.30	7.6
		59.5	40	17.90	455	6.02	153	0.53	13.5	0.32	8.1
18" x 7 1/2"	457.2 x 190.5	68.4	46	18.06	459	6.06	154	0.61	15.5	0.36	9.1
		74.4	50	17.99	457	7.50	190	0.57	14.5	0.36	9.1
		81.8	55	18.11	460	7.53	191	0.63	16.0	0.39	9.9
18" x 7 1/2"	457.2 x 190.5	89.3	60	18.24	463	7.56	192	0.70	17.8	0.42	10.7
		96.7	65	18.35	466	7.59	193	0.75	19.0	0.45	11.4
		105.6	71	18.47	469	7.64	194	0.81	20.6	0.50	12.7
18" x 11"	457.2 x 297.4	113.1	76	18.21	463	11.04	280	0.68	17.3	0.43	10.9
		128.0	86	18.39	467	11.09	282	0.77	19.6	0.48	12.2
		144.3	97	18.59	472	11.15	283	0.87	22.1	0.54	13.7
18" x 11"	457.2 x 297.4	157.7	106	18.73	476	11.20	284	0.94	23.9	0.59	15.0
		177.1	119	18.97	482	11.27	286	1.06	26.9	0.66	16.8
		193.5	130	19.25	489	11.16	284	1.20	30.5	0.67	17.0
21" x 6 1/2"	533.4 x 165.1	212.8	143	19.49	495	11.22	285	1.32	33.5	0.73	18.5
		235.1	158	19.72	501	11.30	287	1.44	36.6	0.81	20.6
		260.0	175	20.04	509	11.38	289	1.59	40.4	0.90	22.6
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
		84.8	57	21.06	534	6.56	166	0.65	16.5	0.41	10.4
21" x 8 1/4"	533.4 x 209.5	71.5	48	20.63	524	8.15	207	0.43	10.9	0.35	9.0
		81.8	55	20.80	528	8.22	209	0.52	13.2	0.38	9.6
		92.3	62	20.99	533	8.24	209	0.62	15.7	0.40	10.2
21" x 8 1/4"	533.4 x 209.5	101.2	68	21.13	537	8.27	210	0.69	17.5	0.43	10.9
		108.7	73	21.24	539	8.30	211	0.74	18.8	0.46	11.6
		123.5	83	21.43	544	8.36	212	0.84	21.3	0.52	13.2
21" x 12 1/4"	533.4 x 311.1	138.4	93	21.62	549	8.42	214	0.93	23.6	0.58	14.7
		150.3	101	21.36	543	12.29	312	0.80	20.3	0.50	12.7
		165.2	111	21.51	546	12.34	313	0.88	22.4	0.55	14.0
21" x 12 1/4"	533.4 x 311.1	181.5	122	21.68	551	12.39	315	0.96	24.4	0.60	15.2
		196.7	132	21.83	554	12.44	316	1.04	26.3	0.65	16.5
		218.7	147	22.06	560	12.51	318	1.15	29.2	0.72	18.3
21" x 12 1/4"	533.4 x 311.1	247.0	166	22.48	560	12.42	315.5	1.36	34.5	0.75	19.1

VIGA IPR

DIMENSIONES		PESO		PERALTE		ANCHO DEL PATÍN		ESPESOR DEL PATÍN		ESPESOR DEL ALMA	
PULGADA	MM	KG/M	LB/FT	PULG	MM	PULG	MM	PULG	MM	PULG	MM
24" x 7"	609.6 x 177.8	81.8	55	23.57	599	7.01	178	0.51	13.0	0.40	10.2
		92.3	62	23.74	603	7.04	179	0.59	15.0	0.43	10.9
24" x 9"	609.6 x 228.6	101.2	68	23.73	603	8.97	228	0.59	15.0	0.42	10.7
		113.1	76	23.92	608	8.99	228	0.68	17.3	0.44	11.2
		125.0	84	24.10	612	9.02	229	0.77	19.6	0.47	11.9
		139.9	94	24.31	617	9.07	230	0.88	22.4	0.52	13.2
		153.3	103	24.53	623	9.00	229	0.98	24.9	0.55	14.0
24" x 12 3/4"	609.6 x 323.8	154.8	104	24.06	611	12.75	324	0.75	19.0	0.50	12.7
		174.1	117	24.26	616	12.80	325	0.85	21.6	0.55	14.0
		194.9	131	24.48	622	12.86	327	0.96	24.4	0.61	15.5
		217.3	146	24.74	628	12.90	328	1.09	27.7	0.65	16.5
		241.0	162	25.00	635	12.95	328	1.22	31.0	0.70	17.8
		261.9	176	25.24	641	12.89	327	1.34	34.0	0.75	19.1
		285.0	192	25.47	647	12.95	329	1.46	37.1	0.81	20.6
		306.0	207	25.70	653	13.00	330	1.57	39.9	0.87	22.1
27" x 14"	685.8 x 355.6	217.3	146	27.38	695	13.97	355	0.98	24.9	0.61	15.5
		239.6	161	27.59	701	14.02	356	1.08	27.4	0.66	16.8
		265.0	178	27.59	706	14.09	358	1.19	30.2	0.72	18.4
		289.0	194	28.11	714	14.01	356	1.34	34.0	0.75	19.0
30" x 10 1/2"	762.0 x 266.7	133.9	90	29.53	750	10.40	264	0.61	15.5	0.47	11.9
		147.3	99	29.65	753	10.45	265	0.67	17.0	0.52	13.2
		160.7	108	29.83	758	10.48	266	0.76	19.3	0.55	14.0
		172.6	116	30.01	762	10.50	267	0.85	21.6	0.57	14.5
		184.7	124	30.17	766	10.52	267	0.93	23.6	0.59	14.9
		196.4	132	30.31	769	10.54	267	1.00	25.4	0.61	15.5
		220.2	148	30.67	779	10.48	266	1.18	30.0	0.65	16.5
27" x 10"	658.8 x 254.0	125.0	84	26.71	678	9.96	253	0.64	16.3	0.46	11.7
		139.9	94	26.92	684	9.99	254	0.75	19.0	0.49	12.4
		151.8	102	27.09	688	10.02	255	0.83	21.1	0.52	13.2
		169.6	114	27.29	693	10.07	256	0.93	23.6	0.57	14.5
		192.0	129	27.63	702	10.01	254	1.10	27.9	0.61	15.5
30" x 15"	762.0 x 381.0	257.5	173	30.43	773	15.00	381	1.07	27.1	0.66	16.7
		284.2	191	30.66	779	15.04	382	1.19	30.1	0.71	18.0
		314.0	211	30.94	786	15.12	384	1.31	33.4	0.78	19.7
33" x 11 1/2"	838.2 x 292.1	175.6	118	32.86	835	11.48	292	0.74	18.8	0.55	14.0
		193.4	130	33.09	840	11.51	292	0.86	21.8	0.58	14.7
		209.8	141	33.30	846	11.54	293	0.96	24.4	0.61	15.5
		226.2	152	33.49	850	11.56	293	1.05	26.7	0.63	16.0
33" x 15 3/4"	838.2 x 400.1	299.0	201	33.70	856	15.71	399	1.15	29.2	0.72	18.2
		329.0	221	33.90	861	15.79	401	1.28	32.5	0.77	19.7
36" x 12"	914.4 x 304.8	200.9	135	35.55	903	11.95	304	0.79	20.1	0.60	15.2
		223.2	150	35.85	911	11.98	304	0.94	23.9	0.63	16.0
		238.1	160	36.01	915	12.00	305	1.02	25.9	0.65	16.5
		253.3	170	36.17	918	12.03	306	1.10	27.9	0.68	17.2
		312.5	210	36.69	932	12.18	309	1.36	34.5	0.83	21.1
40" x 12"	1016 x 304.8	221.7	149	38.20	970	11.81	300	0.83	21.1	0.63	16.0
		248.5	167	38.59	980	11.81	300	1.025	26.04	0.65	16.51
		272.3	183	38.98	990	11.81	300	1.2	30.48	0.65	16.51
		314.0	211	39.37	1000	11.81	300	1.415	35.94	0.75	19.05
44" x 16"	1117.6 x 406.4	343	230	42.91	1090	15.75	400	1.22	31	0.71	18
		390	262	43.31	1100	15.75	400	1.41	36	0.79	20
		433	290	43.62	1108	15.83	402	1.57	40	0.87	22

VIGA IPS

PERALTE		PESO		ANCHO DEL PATÍN		ESPESOR DEL ALMA	
PULG	MM	KG/M	LB/FT	PULG	MM	PULG	MM
3	76.2	8.48	5.7	2.33	59	0.17	4
4	101.6	11.46	7.7	2.66	68	0.19	5
5	127.0	14.88	10.0	3.00	76	0.21	5
6	152.4	18.60	12.5	3.33	85	0.23	6
7.87	200.0	26.20	16.7	3.54	90	0.27	7
8	203.2	27.38	18.4	4.00	102	0.27	7