



ACERAN

DE MÉXICO

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Ángulo

	"	mm		kg/m	kg/pza
1/8"X	3/4	19.1	Peso aprox.	0.88	5.28
	1	25.4		1.19	7.14
	1 1/4	31.7		1.50	9.00
	1 1/2	38.1		1.83	10.98
	2	50.8		2.46	14.76
	3	76.2		3.63	21.78
3/16"X	1	25.4	Peso aprox.	1.73	10.38
	1 1/4	31.7		2.20	13.20
	1 1/2	38.1		2.68	16.08
	2	50.8		3.63	21.78
	2 1/2	63.5		4.60	27.60
	3	76.2		5.80	34.80
1/4"X	1	25.4	Peso aprox.	2.22	13.32
	1 1/4	31.7		2.86	17.16
	1 1/2	38.1		3.49	20.94
	2	50.8		4.75	28.50
	2 1/2	63.5		6.10	36.60
	3	76.2		7.29	43.74
5/16"X	2	50.8	Peso aprox.	5.84	35.04
	2 1/2	63.5		7.44	44.64
	3	76.2		9.08	54.48
	4	101.6		11.70	70.20
3/8"X	2	50.8	Peso aprox.	6.99	41.94
	2 1/2	63.5		8.79	52.74
	3	76.2		10.72	64.32
	4	101.6		14.60	87.60
	6	152.4		22.17	133.02
	1/2"X	2 1/2		63.5	Peso aprox.
3		76.2	76.2	83.94	
4		101.6	101.6	116.35	
6		152.4	152.4	178.20	
8		203.2	203.2	236.16	

Alambrón

pulgadas	pulgadas	milímetros	
0.218	7/32	5.55	0.189
0.250	1/4	6.35	0.249
0.312	4/16	7.94	0.388
0.375	3/8	9.52	0.559
0.500	1/2	12.70	0.994
0.625	5/8	15.9	1.552
0.750	3/4	19.1	2.235

Canal Mon-Ten

Peralte	Largo m.	Calibre	Kg/Pz
4"	6	14	20.00
4"	6	12	28.50
4"	6	10	35.40
5"	6	14	23.10
6"	6	14	24.90
6"	6	12	37.90
6"	6	10	43.30
8"	8	14	44.00
8"	8	12	62.00
8"	8	10	80.00
10"	10	14	63.50
10"	10	12	88.00
10"	10	10	112.40
12"	12	14	96.00
12"	12	12	133.60
12"	12	10	172.80

Lámina Negra en Hoja Rolada en caliente y en frío

Peso aprox. por hoja en kilogramos/m²

Calibre	espesor en mm	espesor en pulgadas	3' x 8'	3' x 10'	4' x 8'	4' x 10'	Peso aprox. kg/m ²
10	3.42	.1345	61.234	76.542	81.646	102.058	27.46
1/8"	3.17	.125	56.911	71.140	75.866	94.832	24.41
11	3.04	.1196	54.432	68.040	72.574	90.718	21.36
12	2.66	.1046	47.628	59.535	63.503	79.373	18.30
13	2.28	.0897	40.824	51.030	54.431	68.039	15.25
14	1.91	.0747	34.020	42.525	45.359	56.699	13.73
15	1.71	.0673	30.617	38.271	40.823	51.029	12.20
16	1.52	.0598	27.216	34.020	36.287	45.359	10.98
17	1.37	.0538	24.494	30.618	32.659	40.823	9.76
18	1.21	.0478	21.773	27.216	29.030	36.287	8.54
19	1.06	.0418	19.051	23.814	25.401	31.751	7.32
20	0.91	.0359	16.330	20.412	21.772	27.215	6.71
21	0.84	.0329	14.969	18.711	19.958	24.947	6.10
22	0.76	.0299	13.608	17.010	18.144	22.680	5.49
23	0.68	.0269	12.247	15.309	16.326	20.412	4.88
24	0.61	.0239	10.886	13.608	14.515	18.144	4.27
25	0.53	.0209	9.526	11.907	12.701	15.876	3.66
26	0.45	.0179	8.165	10.206	10.886	13.608	

Lámina Galvanizada Lisa en Hoja

Peso aprox. por hoja

Calibre	espesor en mm	espesor en pulgadas	kgs/m 3'	kgs/m 4'	3' x 8'	3' x 10'	4' x 8'	4' x 10'
10	3.454	.1360	24.77	33.80	61.23	76.55	83.00	103.00
12	2.695	.1061	19.32	25.76	47.63	59.53	63.50	79.37
14	1.936	.0762	13.87	18.50	34.10	42.61	45.60	56.93
16	1.557	.0613	11.15	14.87	27.21	34.01	36.28	45.35
18	1.252	.0493	8.97	11.96	21.89	27.36	29.18	36.48
20	.950	.0374	6.80	9.06	16.59	20.74	22.77	27.63
22	.798	.0314	7.70	7.60	13.91	17.39	18.54	23.18
24	.569	.0224	4.06	5.42	11.10	13.88	14.81	18.51
26	.493	.0194	3.52	4.69	8.59	10.74	11.44	14.30
28	.417	.0164	2.97	3.96	7.25	9.06	9.66	12.08
30	.343	.0135	2.44		5.95	7.44	7.49	9.66

Malla Electrosoldada

Diseño	ancho (m)	Largo	(kg/m ²)
66-44	2.50	40	2.71
66-66	2.50	40	1.98
66-88	2.50	40	1.41
66-1010	2.50	40	.98

Perfil tubular (PTR)

Dimensiones

Pulgadas	Milímetros	Calibre	Color	Espesor en milímetros	Peso aprox. kg/pz. de 6m
1 X 1	25.4 x 25.4	14	Azul	1.89	8.65
		13	Blanco	2.30	10.32
		12	Verde	2.66	11.22
		10	Rojo	3.42	13.62
1 ¼ x 1 ¼	31.7 x 31.7	14	Azul	1.89	10.70
1 ½ x 1 ½	38.1 x 38.1	14	Azul	1.89	13.10
		12	Blanco	2.66	17.76
		11	Verde	3.04	19.98
		9	Rojo	3.80	24.12
2 x 1	50.8 x 25.4	14	Azul	1.89	13.00
2 X 2	50.8 x 50.8	14	Azul	1.89	17.70
		12	Blanco	2.66	24.30
		11	Verde	3.04	27.30
		9	Rojo	3.80	33.36
2 ½ x 1 ¼	63.5 x 31.7	14	Azul	1.89	15.85
2 ½ x 1 ½	63.5 x 38.1	14	Azul	1.89	18.00
2 ½ x 2 ½	63.5 x 63.5	14	Azul	1.89	22.19
		11	Blanco	3.04	34.92
		9	Verde	3.80	42.78
		7	Rojo	4.55	50.22
3 x 1 ½	76.2 x 38.1	14	Azul	1.89	19.68
3 x 3	76.2 x 76.2	14	Azul	1.89	27.59
		11	Blanco	3.04	42.54
		9	Verde	3.80	52.32
		7	Rojo	4.55	61.68
3 ½ x 3 ½	88.9 x 88.9	14	Azul	1.89	31.65
		11	Blanco	3.04	50.04
		9	Verde	3.80	61.68
		7	Rojo	4.55	71.96
3 x 2	76.2 x 50.8	14	Azul	1.89	22.14
		11	Blanco	3.04	34.92
		9	Verde	3.80	42.78
		7	Rojo	4.55	50.22
4 x 1 ½	101.6 x 38.1	14	Azul	1.89	25.00
4 x 2	101.6 x 50.8	14	Azul	1.89	27.59
		11	Blanco	3.04	42.54
		9	Verde	3.80	52.32
		7	Rojo	4.55	61.68
4 x 3	101.6 x 76.2	14	Azul	1.89	31.65
		11	Blanco	3.04	50.04
		9	Verde	3.80	61.68
		7	Rojo	4.55	72.96
4 x 4	101.6 x 101.6	14	Azul	1.89	36.20
		11	Blanco	3.04	57.60
		9	Verde	3.80	72.18
		7	Rojo	4.55	85.80

Pesos teóricos calculados según especificaciones del fabricante de lámina

Placa de Acero

Peso por placa en Kilogramos

Espesor	Peso por placa en Kilogramos											
	2"	1 1/2"	1 1/4"	1"	7/8"	3/4"	5/8"	1/2"	3/8"	5/16"	1/4"	3/16"
Pulgadas	2"	1 1/2"	1 1/4"	1"	7/8"	3/4"	5/8"	1/2"	3/8"	5/16"	1/4"	3/16"
Milímetros	50.8	38.1	31.8	25.4	22.2	19.1	15.9	12.7	9.5	7.9	6.4	4.8
Peso aprox./kg. x m2	398.78	299.08	249.63	199.39	174.27	149.94	124.82	99.70	74.58	62.01	50.24	37.68

Medidas

Pies	Medidas															
X	0.914x	1.22x	1.52x6.10	1.83x6.10	2.44x6.10	2.773	2,315	1,849	1,616	1,390	1,157	924	694	578	466	349
8	2.44	889	667	557	445	389	334	278	227	172	140	113	85			
10	3.05	1,112	834	696	556	486	418	348	280	208	176	142	108			
20	6.10	2,223	1,667	1,392	1,112	972	836	696	556	416	346	280	210			
4x	8	2.44	1,187	890	743	594	519	446	372	303	226	185	152	112		
	10	3.05	1,484	1,113	929	742	648	558	464	374	282	231	191	142		
	20	6.10	2,968	2,226	1,858	1,484	1,297	1,116	929	742	555	461	373	280		
	5x20	1.52x6.10	3,697	2,773	2,315	1,849	1,616	1,390	1,157	924	694	578	466	349		
	6x20	1.83x6.10	4,452	3,339	2,787	2,226	1,945	1,690	1,430	1,140	845	694	590	420		
	8x20	2.44x6.10	5,935	4,452	3,715	2,968	2,594	2,291	1,909	1,524	1,110	923	748	552		

Tipos de acero

SAE 1010 ASTM A-36 A-283-C A-285-C H50 A-709-50 A-572-50 A-515-70 A-516-70

Lámina y Placa Antiderrapante

Calibre	Espesor		Peso aprox. por hoja			
	Pulgadas	Milímetros	3'x8'	3'x10'	4'x8'	4'x10'
10	.134"	3.42	61.24	76.54	81.66	106.90
11	.119"	3.04	54.43	68.04	72.57	90.72
12	.104"	2.66	47.63	59.53	63.50	79.38
13	.089"	2.28	40.82	51.03	54.50	68.04
14	.074"	1.91	38.50	47.61	52.00	63.71
1/8"	.125"	3.17	60.15	78.56	81.58	101.80
3/16"	.187"	4.76	85.36	106.71	119.74	150.60
1/4"	.250"	6.35	118.00	146.00	159.00	200.00

Redondo

		Peso aprox. kg/m	kgs Pz.6.10m
3/8	9.5	.559	3.41
1/2	12.7	.994	6.06
5/8	15.9	1.552	9.47
3/4	19.1	2.235	13.63
7/8	22.2	3.042	18.56
1	25.4	3.974	24.24
1 1/4	31.8	6.211	37.89
1 1/2	38.1	9.000	54.90
2	50.8	15.900	96.99

Redondo Pulido

Pulgadas	Milímetros	Peso aprox. kg/m	Kg Pza. 6.00m
3/16	4.8	.143	0.858
1/4	6.3	.249	1.494
5/16	7.9	.388	2.328
3/8	9.5	.559	3.354
1/2	12.7	.994	5.964

Tablero Pintado

Ancho Pies-m	Largo Pies-m	Calibre	Peso aprox. Kg/Pza.
3(0.75)	3 (0.91)	20	6.06
3(0.75)	4 (1.22)	20	8.01
3(0.75)	6(1.83)	20	12.12
3(0.75)	6 1/2 (2.00)	20	13.32
3(0.75)	7 (2.14)	20	14.25
3(0.75)	8 (2.44)	20	16.18
3(0.75)	10 (3.05)	20	20.21
4(1.00)	3 (0.91)	20	8.08
4(1.00)	4 (1.22)	20	10.78
4(1.00)	6 (1.83)	20	16.17
4(1.00)	6 1/2 (2.00)	20	17.86
4(1.00)	7(2.14)	20	19.21
4(1.00)	8(2.44)	20	21.56
4(1.00)	10 (3.05)	20	26.95

Tablero Pintado Zintro

Cuadrado

Dimensión		Peso aprox.	
3/8	9.5	.712	4.34
1/2	12.7	1.266	7.72
5/8	15.9	1.978	12.07
3/4	19.1	2.849	17.38
1	25.4	5.065	30.90
1 1/4	31.8	7.913	48.27
1 1/2	38.1	11.395	69.51

Te

Pulgadas	Milímetros	Kg/m	Kg pz.6m
1/8x1	3.2x25.4	1.32	7.92

Vigas I.P.S

Peralte		Patín		Alma	
Pulgadas	3	Milímetros	76.2	Ancho	59.23
	4		101.6		67.64
	5		127.0		76.30
	6		152.4		84.63
8	200.0	89.99	7.5	Peso x pza 6m	51.25
			4.3		69.71
			4.9		90.88
			5.4		112.91

Canal C.P.S.

Altura		Peso Aprox.		Patín									
Pulgadas	3	Milímetros	76.2	lb/ft.	4.1	Kg/pza 6mts	37.41	Espesor mm	35.8	Ancho mm	7	Alma mm	4
	4		101.6		5.4		49.63		40.2		8		5
	6		152.4		8.2		74.60		48.7		9		5
	6		152.41		10.5		96.20		51.5		9		8
	6		52.4		13.0		118.60		55.0		9		11
	8		203.8		11.5		103.50		57.4		10		6
	8		203.8		13.8		124.71		60.0		10		8
	8		203.8		18.8		170.90		64.0		10		12
	10		254.0		15.3		137.40		66.1		11		6
	10		254.0		20.0		178.80		69.8		11		10
	10		254.0		25.0		223.20		73.3		11		13
	10		254.0		30.0		268.20		77.1		11		17
12	304.8	20.7	193.20	74.3	11	7							
12	304.8	25.0	223.20	77.4	11	10							
12	304.8	30.0	268.20	80.6	11	13							

Contamos con básculas
colgantes electrónicas.

Varilla Corrugada

Número	Pulgadas	Milímetros	Peso aprox. kg/m	Pzas aprox. de 12m x ton.
2.5	5/16	7.9	0.384	214
3	3/8	9.5	0.500	150
4	1/2	12.7	0.990	84
5	5/8	15.9	1.500	53
6	3/4	19.1	2.250	37
8	1	25.4	3.970	20
10	1 1/4	31.8	6.225	13
12	1 1/2	38.1	8.938	9

Lámina Lisa Galvanizada y Acanalada

0-100	GALVADECK 25
0-30	(LOSACERO)
0-725	HR-71
R-72	HR-99
R-101	RN-100/35
R-90	Preguntar por las especificaciones

Tubería Negra Cédula 30

Diámetro nominal		Diámetro		Tramos de 6M	
Pulgadas	1/2"	Milímetros	21.3	Espesor en mm	Peso aprox. Kg/pza.
	3/4"		26.7		
	1"		33.4		
	1 1/4"		42.2		
	1 1/2"		48.3		
	2"		60.3		
	2 1/2"		73.0		
	3"		88.9		
	3 1/2"		100.10		
	4"		114.3		
	12.7	Exterior mm	1.90	5.46	
	19.1		1.90	6.96	
	25.4		1.90	8.88	
	31.8		2.29	14.20	
	38.1		2.29	16.20	
	50.8		2.67	22.74	
	63.5		2.67	28.80	
	88.9		3.05	38.70	
	76.2		3.05	44.40	
	101.6		3.05	50.40	

Tubería Galvanizada y Negra Cédula 40

Diámetro nominal		Diámetro		Tramos de 6.4M	
Pulgadas	1/2"	Milímetros	21.3	Espesor en mm	Peso aprox. Kg/pza.
	3/4"		26.7		
	1"		33.4		
	1 1/4"		42.2		
	1 1/2"		48.3		
	2"		60.3		
	2 1/2"		73.0		
	3"		88.9		
	3 1/2"		100.10		
	4"		114.3		
	12.7	Exterior mm	3.22	8.13	
	19.1		3.14	10.82	
	25.4		3.52	16.00	
	31.8		3.56	21.70	
	38.1		3.68	26.62	
	50.8		3.52	35.07	
	63.5		4.00	55.42	
	76.2		4.16	75.20	
	101.6		4.48	103.74	

Tubería Estructural

Diámetro			Espesor de pared				Peso aprox.	
Nominal	Pulgadas	Ext.mm		Milésimas de pulgada			Lb/pie	Kg/m
6"	6 5/8"	168.3	3/16"	0.188"	4.78	40	12.92	19.35
			7/32"	0.219"	5.60	40	14.98	22.47
			1/4"	0.250"	6.35	40	17.02	25.55
			9/32"	0.280"	7.10	40	18.97	28.22
			3/8"	0.375"	9.50	40	24.99	37.20
8"	6 5/8"	219.1	3/16"	0.188"	4.78	10	16.94	25.37
			7/32"	0.219"	5.60	20	19.66	29.48
			1/4"	0.250"	6.35	20	22.36	33.57
			5/16"	0.312"	7.90	30	27.70	41.14
				0.322"	8.20	40	28.55	42.65
			3/8"	0.375"	9.50	40	33.04	49.10
			1/2"	0.500"	12.70	80	43.99	65.47
10"	10 3/4"	273.1	3/16"	0.188"	4.78	10	21.21	31.76
			7/32"	0.219"	5.60	10	24.63	36.94
				0.225"	5.72	10	24.66	36.69
			1/4"	0.250"	6.35	20	28.04	42.09
				0.307"	7.80	30	34.24	51.03
				0.365"	9.27	40	40.48	60.50
			3/8"	0.375"	9.50	40	41.10	61.16
1/2"	0.500"	12.70	60	54.80	81.55			
12"	12 3/4"	323.9	3/16"	0.188"	4.78	10	25.22	37.77
			7/32"	0.219"	5.60	10	29.31	43.96
				0.225"	5.72	10	30.30	45.09
			1/4"	0.250"	6.35	20	33.38	50.11
			3/8"	0.375"	9.50	CED.STD.	49.56	73.65
			13/32"	0.406"	10.30	40	53.52	79.65
14"	14"	355.6		0.210"	5.30	10	30.93	45.78
			1/4"	0.225"	5.72	10	32.68	48.63
			5/16"	0.250"	6.35	10	36.71	55.11
			3/8"	0.312"	7.90	20	45.61	67.74
				0.375"	9.50	30	54.57	81.08
				0.438"	11.10	40	63.44	94.30
			1/2"	0.465"	11.81	40	67.87	101.00
				0.500"	12.70	EXT.FTE.	72.09	107.39
16"	16"	406.4	7/32"	0.219"	5.60	10	36.91	55.35
			1/4"	0.225"	5.72	10	37.28	55.48
				0.250"	6.35	10	42.05	63.13
			5/16"	0.281"	7.14	20	47.17	69.91
			3/8"	0.312"	7.90	30	52.27	77.63
			1/2"	0.375"	9.50	40	62.58	92.98
				0.500"	12.70	40	82.77	123.30
18"	18"	457.2	1/4"	0.250"	6.35	10	47.39	71.12
			5/16"	0.312"	7.90	20	58.94	87.49
			3/8"	0.375"	9.50	CED.STD.	70.59	104.84
			1/2"	0.375"	9.50	EXT.FTE..	93.45	139.15
				0.500"	12.70			

Tubería Estructural

Diámetro			Espesor de pared				Peso aprox.		
20"	20"	508.0	Fracc. pulgad	1/4"	0.250"	6.35	10	52.73	79.16
				5/16"	0.312"	7.90	20	65.60	97.43
				3/8"	0.375"	9.50	20	78.60	116.78
				1/2"	0.500"	12.70	30	104.13	155.12
24"	24"	609.6	Fracc. pulgad	1/4"	0.250"	6.35	10	63.41	95.26
				3/8"	0.375"	9.50	20	94.62	140.68
				1/2"	0.500"	12.70	EXT.FTE.	125.49	187.06
30"	30"	762.0	Fracc. pulgad	1/4"	0.250"	6.35	5	79.43	119.25
				3/8"	0.375"	9.50	CED.STD.	118.65	176.29
				1/2"	0.500"	12.70	EXT.FTE.	157.53	234.67
32"	32"	812.8	Fracc. pulgad	1/4"	0.250"	6.35	5	84.77	127.30
				3/8"	0.375"	9.50	CED.STD.	126.66	188.24
				1/2"	0.500"	12.70	EXT.FTE.	168.21	250.64
36"	36"	914.4	Fracc. pulgad	5/16"	0.312"	7.90	10	118.92	176.52
				3/8"	0.375"	9.50	CED.STD.	142.68	211.90
				1/2"	0.500"	12.70	EXT.FTE.	189.57	282.27

HSS (Hollow Structural Selection)

Cuadrado

Peso aprox. por pieza de 12.20mts.

Pulgadas	1/8"	3/16"	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	7/8"
4x4	117.24	171.04	221.67	269.25	313.54	392.72			
4 1/2 x 4 1/2	132.49	194.22	252.54	307.93	359.90	454.45			
5 x 5	147.99	217.28	283.65	346.36	406.14	516.18			
5 1/2 x 5 1/2		240.58	314.39	385.03	452.62				
6 x 6		263.76	345.26	423.71	498.86	639.77	769.82		
7 x 7		310.12	406.99	500.93	591.46	763.48			
7 1/2 x 7 1/2		333.18	437.86	539.61	637.82	825.21			
8 x 8		356.36	468.72	578.04	684.30	886.94	1078.48		
9 x 9		402.72	530.70	655.38	776.90	1010.53			
10 x 10		448.96	592.43	732.61	869.62	1133.99	1388.36	1666.03	
12 x 12		541.80	715.90	887.06	1054.81	1381.04	1697.02	2036.42	
14 x 14				1041.39	1240.25	1628.21	2035.26	2366.80	2708.40
16 x 16				1195.60	1425.57	1875.51	2306.00	2732.80	3147.60
18 x 18						2123.00	2623.00	3099.00	3574.60
20 x 20						2367.00	2928.00	3477.00	4013.80
22 x 22							3843.00	4440.80	

Rectangular

Peso aprox. por pieza de 12.2 mts.

Pulgadas	1/8"	3/16"	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"
5" x 3"	117.24	171.04	221.67	269.25	313.54	392.72		
6" x 2"	117.24	171.04	221.67	269.25	313.54	392.72		
5" x 4"	132.49	194.22	252.54	307.93	359.90	454.45		
6" x 3"	132.49	194.22	252.54	307.93	359.90	454.45		
7" x 2"	132.49	194.22	252.54	307.93	359.90	454.45		
6" x 4"	147.99	217.28	283.65	346.36	406.14	516.18		
7" x 3"	147.99	217.28	283.65	346.36	406.14	516.18		
8" x 2"	147.99	217.28	283.65	346.36	406.14	516.18		
6" x 5"		240.58	314.39	346.36	452.62	578.28		
7" x 4"		240.58	314.39	385.03	452.62	578.28		
8" x 3"		240.58	314.39	385.03	452.62	578.28		
7" x 5"		263.76	345.26	385.03	498.86	639.77		
8" x 4"		263.76	345.26	423.71	498.86	639.77		
9" x 3"		263.76	345.26	423.71	498.86	639.77		
10" x 2"		263.76	345.26	423.71	498.86	639.77		
8" x 6"		310.12	406.99	423.71	591.46	763.48		
9" x 5		310.12	406.99	500.93	591.46	763.48		
10" x 4"		310.12	406.99	500.93	591.46	763.48		
12" x 2"		310.12	406.99	500.93	591.46	763.48		
8" x 7"		333.18	437.86	539.61	637.82	825.21		
9" x 6"		333.18	437.86	539.61	637.82	825.21		
10" x 5"		333.18	437.86	539.61	637.82	825.21		
12" x 3"		333.18	437.86	539.61	637.82	825.21		
9" x 7"		356.36	468.72	578.04	684.30	886.94		
10" x 6"		356.36	468.72	578.04	684.30	886.94	1070.48	
12" x 4"		356.36	468.72	578.04	684.30	886.94		
10" x 8"		402.72	530.70	655.38	776.90	1010.53	1233.42	
12" x 6"		402.72	530.70	655.38	776.90	1010.53	1233.42	
14" x 4"		402.72	530.70	655.38	776.90	1010.53		
12" x 8"		448.96	592.43	732.61	869.62	1133.99	1388.36	
14" x 6"		448.96	592.43	732.61	869.62	1133.99	1388.36	
16" x 4"		448.96	592.43	732.61	869.62	1133.99	1388.36	
12" x 10"			658.80	806.42	960.14	1257.82	1572.28	
18" x 4"			658.80	806.42	960.14	1257.82		
14" x 10"		541.80	715.90	887.06	960.14	1381.04	1697.02	
16" x 8"		541.80	715.90	887.06	1054.81	1381.04	1697.02	
18" x 6"		541.80	715.90	887.06	1054.81	1381.04	1697.02	
20" x 4"		541.80	715.90	887.06	1054.81	1381.04	1697.02	
16" x 12"				1041.39	1054.81	1628.21	2035.26	2366.80
20" x 8"				1041.39	1240.25	1628.21		
20" x 12"				1041.39	1240.25	1875.14	2306.00	
24" x 12"					1425.57	2123.00	2623.00	3099.00

Solera

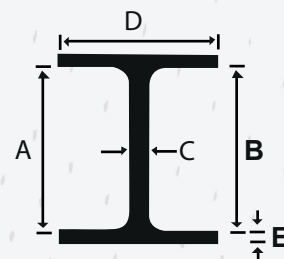
Pulgadas			Milímetros			Kg/pza				
1/8 x	3.2 x	1/2	12.7	1.92	Peso aprox pza de 6.0 mts	3/8 x	9.5 x	2	50.8	22.80
		5/8	15.9	2.34				2 1/2	63.5	28.50
		3/4	19.1	2.88				3	76.2	34.14
		1	25.4	3.78				4	101.6	45.54
		1 1/4	31.7	4.74				6	152.4	69.50
		1 1/2	38.1	5.70				8	203.2	93.94
		2	50.8	7.62						
3/16 x	4.8 x	1/2	12.7	2.8	Peso aprox pza de 6.0 mts	1/2 x	12.7 x	1	25.4	15.18
		5/8	15.9	3.54				1 1/4	31.7	18.96
		3/4	19.1	4.26				1 1/2	38.1	22.80
		1	25.4	5.70				2	50.8	30.36
		1 1/4	31.7	7.08				2 1/2	63.5	37.98
		1 1/2	38.1	8.52				3	76.2	45.54
		2	50.8	11.40				4	101.6	60.78
		2 1/2	63.5	14.22				6	152.4	92.06
		3	76.2	17.10				8	203.2	25.59
1/4 x	6.3 x	1/2	12.7	3.78	Peso aprox pza de 6.0 mts	5/8 x	15.9 x	1 1/2	38.1	28.44
		3/4	19.1	5.70				2	50.8	37.98
		1	25.4	7.62				2 1/2	63.5	47.46
		1 1/4	31.7	9.12				3	76.2	56.94
		1 1/2	38.1	1.40				4	101.6	75.90
		2	50.8	15.18				6	152.4	113.94
		2 1/2	63.5	18.96				8		154.51
		3	76.2	22.74						
		4	101.6	30.36						
		6	152.4	45.54						
5/16 x	7.9 x	1 1/2	38.1	14.22	Peso aprox pza de 6.0 mts	3/4 x	19.1 x	2	38.1	34.20
		2	50.8	18.96				2 1/2	50.8	45.54
		2 1/2	63.5	23.70				3	63.5	56.94
		3	76.2	28.50				4	76.2	68.34
		4	101.6	37.98				6	101.6	91.14
		6	152.4	56.94				8	152.4	136.74
								10	203.2	182.58
				254.0	227.88					
3/8 x	9.5 x	1	25.4	11.34	Peso aprox pza de 6.0 mts	1 x	25.4 x	2	50.8	60.72
		1 1/4	31.7	14.22				2 1/2	63.5	75.96
		1 1/2	38.1	17.10				3	76.2	91.14
								4	101.6	121.50
								6	152.4	182.28
								8	203.2	243.06
			10	254.0	303.84					

Vigas IPR

Dimensiones en mm.

Dimensiones	Pulgadas	Lb/ft	Kg/mt	A	B	C	D	E
4x4	13	19.3	106	88	7.1	103	8.8	
5x5	16	23.8	127	109	6.1	127	9.1	
5x5	19	28.3	131	109	6.9	128	10.9	
6x4	8.5	12.6	152	140	4.5	100	4.6	
6x4	9	13.5	150	139	4.3	100	5.5	
6x4	12	17.9	153	138	5.8	102	7.1	
6x4	16	23.8	160	139	6.6	102	10.3	
6x6	15	22.3	152	139	5.8	152	6.6	
6x6	20	29.8	157	138	6.6	153	9.3	
6x6	25	37.2	162	139	8.1	154	11.6	
8x4	10	14.9	200	190	4.3	100	5.2	
8x4	13	19.3	203	190	5.8	102	6.5	
8x4	15	22.3	206	190	6.2	102	8.0	
8x5 1/4"	18	26.8	207	190	5.8	133	8.4	
8x5 1/4"	21	31.3	210	190	6.4	134	10.2	
8x6 1/2"	24	35.7	201	181	6.2	201	10.2	
8x6 1/2"	28	41.7	205	181	7.2	205	11.8	
8x8	31	46.1	203	181	7.2	203	11.0	
8x8	35	52.1	206	181	7.9	204	12.6	
8x8	40	59.5	210	182	9.1	205	14.2	
8x8	48	71.4	216	181	10.2	206	17.4	
8x8	58	86.3	222	181	13.0	209	20.6	
8x8	67	99.7	229	182	14.5	210	23.7	
10x4	12	17.9	251	240	4.8	101	5.3	
10x4	15	22.3	254	240	5.8	102	6.9	
10x4	17	25.3	257	240	6.1	102	8.4	
10x4	19	28.3	260	240	6.4	102	10.0	
10x5 3/4"	22	32.7	258	240	6.1	146	9.1	
10x5 3/4"	26	38.7	262	240	6.6	147	11.2	
10x5 3/4"	30	44.6	266	240	7.6	147	13.0	
10x8	33	49.1	247	225	7.4	202	11.0	
10x8	39	58.0	252	225	8.0	203	13.5	
10x8	45	67.0	257	226	8.9	204	15.7	
10x10	49	72.9	253	225	8.6	254	14.2	
10x10	54	80.4	256	225	9.4	255	15.6	

- A Peralte Exterior
- B Peralte Interior
- C Espesor Peralte
- D Ancho Patín
- E Espesor Patín



Vigas IPR

Dimensiones en mm.								
Pulgadas	Lb/ft	Kg/mt	A	B	C	D	E	
Dimensiones	10x10	60	89.3	260	225	10.7	256	17.3
	10x10	68	101	264	225	11.9	257	19.6
	10x10	77	115	269	225	13.5	259	22.1
	10x10	88	131	275	225	15.4	261	25.1
	10x10	100	149	282	225	17.3	263	28.4
	10x10	112	167	289	225	19.2	365	31.8
	12x4	14	20.8	303	292	5.1	101	5.7
	12x4	16	23.8	305	292	5.6	101	6.7
	12x4	19	28.3	309	291	6.0	102	8.9
	12x4	22	32.7	313	291	6.6	102	10.8
	12x6 1/2"	26	38.7	310	291	5.8	165	9.7
	12x6 1/2"	30	44.6	313	291	6.6	166	11.2
	12x6 1/2"	35	52.1	317	291	7.6	167	13.2
	12x8	40	59.5	303	291	7.5	203	13.1
	12x8	45	67.0	306	277	8.5	204	14.6
	12x8	50	74.4	310	277	9.4	205	16.3
	12x10	53	78.9	306	277	8.8	254	14.6
	12x10	58	86.3	310	277	9.1	254	16.3
	12x12	65	96.7	308	277	9.9	305	15.4
	12x12	72	107	311	277	10.9	306	17.0
	12x12	79	118	314	277	11.9	307	18.7
	12x12	87	129	318	277	13.1	308	20.6
	12x12	96	143	323	277	14.0	309	22.9
	12x12	106	158	327	277	15.5	310	25.1
	12x12	120	179	333	277	18.0	313	28.1
	12x12	136	202	341	277	20.1	315	31.8
	12x12	152	226	348	277	22.1	317	35.6
	12x12	170	253	356	277	24.4	319	39.6
	12x12	190	283	365	277	36.9	322	44.1
	12x12	210	313	374	277	30.0	325	48.3
	12x12	230	342	382	277	32.6	328	52.6
	12x12	252	375	392	277	36.0	332	58.0
	12x12	279	415	400	277	38.0	335	64.0
12x12	305	454		277				
12x12	336	500	405	277	42.0	339	74.0	

Vigas IPR

Pulgadas	Lb/ft	Kg/mt	Dimensiones en mm.				
			A	B	C	D	E
14x5	22	32.7	349	332	5.8	127	8.5
14x5	26	38.7	353	332	6.5	128	10.7
14x6 3/4"	30	44.6	352	332	6.9	171	9.8
14x6 3/4"	34	50.6	355	332	7.2	171	11.6
14x6 3/4"	38	56.6	358	332	7.9	172	13.1
14x8	43	64	347	320	7.7	203	13.5
14x8	48	71.4	350	320	8.6	204	15.1
14x8	53	78.9	354	320	9.4	205	16.8
14x10	61	90.8	353	320	9.5	254	16.4
14x10	68	101	357	320	10.5	255	18.3
14x10	74	110	360	320	11.4	256	19.9
14x10	82	122	363	320	13.0	257	21.7
14x14 1/2"	90	134	356	320	11.2	369	18.0
14x14 1/2"	99	147	360	320	12.3	370	19.8
14x14 1/2"	109	162	364	320	13.3	371	21.8
14x14 1/2"	120	179	368	320	15.0	373	23.9
14x14 1/2"	132	196	372	320	16.4	374	26.2
14x16	145	216	375	320	17.3	394	27.7
14x16	159	237	380	320	18.9	395	30.2
14x16	176	262	387	320	21.1	398	33.3
14x16	193	287	393	320	22.6	399	36.6
14x16	211	314	399	320	24.9	401	39.6
14x16	233	347	407	320	27.2	404	43.7
14x16	257	382	416	320	29.8	406	48.0
14x16	283	421	425	320	32.8	409	52.6
14x16	311	463	435	320	35.8	412	57.4
14x16	342	509	446	320	39.1	416	62.7
14x16	370	551	455	320	42.0	418	67.6
14x16	398	592	465	320	45.0	421	72.3
14x16	426	634	474	320	47.6	424	77.1
14x16	455	677	483	320	51.2	428	81.5
14x16	500	744	498	320	55.6	432	88.9
14x16	550	818	514	320	60.5	437	97.0
14x16	605	900	531	319	65.9	442	106.0
14x16	665	990	550	320	71.9	448	115.0

Vigas IPR

Dimensiones en mm.

Pulgadas	Lb/ft	Kg/mt	A	B	C	D	E																																																																																																																																																																																																																																																																																
14x16	730	1086.0	569	319	78.0	454	125.0																																																																																																																																																																																																																																																																																
Dimensiones	Peso aprox.	Peso aprox.	Peralte exterior	Peralte inferior	Espesor peralte	Ancho patin	Espesor patin	16x5 1/2"	26	39.0	399	381	06.4	140	08.8	16x5 1/2"	31	46.0	403	381	07.0	140	11.2	16x7	36	53.6	403	381	07.5	177	10.9	16x7	40	59.6	407	381	07.7	178	12.8	16x7	45	67.0	410	381	08.8	179	14.4	16x7	50	74.4	413	381	09.7	180	16.0	16x7	57	84.8	417	381	10.9	181	18.2	16x10 1/4"	67	100.0	415	381	10.0	260	16.9	16x10 1/4"	77	115.0	420	381	11.6	261	19.3	16x10 1/4"	89	132.0	425	381	13.3	263	22.2	16x10 1/4"	100	149.0	431	381	14.9	265	25.0	18x6	35	52.1	450	428	07.6	152	10.8	18x6	40	59.5	455	428	08.0	153	13.3	18x6	46	68.5	459	428	09.1	154	15.4	18x7 1/2"	41	61.0	455	430	08.4	190	12.0	18x7 1/2"	45	67.0	458	432	08.7	190	12.3	18x7 1/2"	50	74.4	457	428	09.0	190	14.5	18x7 1/2"	55	81.8	460	428	09.9	191	16.0	18x7 1/2"	60	89.3	463	428	10.5	192	17.7	18x7 1/2"	65	96.7	466	428	11.4	193	19.0	18x7 1/2"	71	106.0	469	428	12.6	194	20.6	18x11	76	113.0	463	428	10.8	280	17.3	18x11	86	128.0	467	428	12.2	282	19.6	18x11	97	144.0	472	428	13.6	283	22.1	18x11	106	158.0	476	428	15.0	284	23.9	18x11	119	177.0	482	428	16.6	286	36.9	18x11	130	193.0	489	428	17.0	283	30.5	18x11	143	213.0	495	428	18.5	285	33.5	18x11	158	235.0	501	428	20.6	287	36.6	18x11	175	260.0	509	428	22.6	289	40.4	18x11	192	286.0	519	428	22.8	293	45.0	18x11	211	314.0						18x11	234	348.0						18x11	258	384.0					
								16x5 1/2"	26	39.0	399	381	06.4	140	08.8																																																																																																																																																																																																																																																																								
								16x5 1/2"	31	46.0	403	381	07.0	140	11.2																																																																																																																																																																																																																																																																								
								16x7	36	53.6	403	381	07.5	177	10.9																																																																																																																																																																																																																																																																								
								16x7	40	59.6	407	381	07.7	178	12.8																																																																																																																																																																																																																																																																								
								16x7	45	67.0	410	381	08.8	179	14.4																																																																																																																																																																																																																																																																								
								16x7	50	74.4	413	381	09.7	180	16.0																																																																																																																																																																																																																																																																								
								16x7	57	84.8	417	381	10.9	181	18.2																																																																																																																																																																																																																																																																								
								16x10 1/4"	67	100.0	415	381	10.0	260	16.9																																																																																																																																																																																																																																																																								
								16x10 1/4"	77	115.0	420	381	11.6	261	19.3																																																																																																																																																																																																																																																																								
								16x10 1/4"	89	132.0	425	381	13.3	263	22.2																																																																																																																																																																																																																																																																								
								16x10 1/4"	100	149.0	431	381	14.9	265	25.0																																																																																																																																																																																																																																																																								
								18x6	35	52.1	450	428	07.6	152	10.8																																																																																																																																																																																																																																																																								
								18x6	40	59.5	455	428	08.0	153	13.3																																																																																																																																																																																																																																																																								
								18x6	46	68.5	459	428	09.1	154	15.4																																																																																																																																																																																																																																																																								
								18x7 1/2"	41	61.0	455	430	08.4	190	12.0																																																																																																																																																																																																																																																																								
								18x7 1/2"	45	67.0	458	432	08.7	190	12.3																																																																																																																																																																																																																																																																								
								18x7 1/2"	50	74.4	457	428	09.0	190	14.5																																																																																																																																																																																																																																																																								
								18x7 1/2"	55	81.8	460	428	09.9	191	16.0																																																																																																																																																																																																																																																																								
								18x7 1/2"	60	89.3	463	428	10.5	192	17.7																																																																																																																																																																																																																																																																								
18x7 1/2"	65	96.7	466	428	11.4	193	19.0																																																																																																																																																																																																																																																																																
18x7 1/2"	71	106.0	469	428	12.6	194	20.6																																																																																																																																																																																																																																																																																
18x11	76	113.0	463	428	10.8	280	17.3																																																																																																																																																																																																																																																																																
18x11	86	128.0	467	428	12.2	282	19.6																																																																																																																																																																																																																																																																																
18x11	97	144.0	472	428	13.6	283	22.1																																																																																																																																																																																																																																																																																
18x11	106	158.0	476	428	15.0	284	23.9																																																																																																																																																																																																																																																																																
18x11	119	177.0	482	428	16.6	286	36.9																																																																																																																																																																																																																																																																																
18x11	130	193.0	489	428	17.0	283	30.5																																																																																																																																																																																																																																																																																
18x11	143	213.0	495	428	18.5	285	33.5																																																																																																																																																																																																																																																																																
18x11	158	235.0	501	428	20.6	287	36.6																																																																																																																																																																																																																																																																																
18x11	175	260.0	509	428	22.6	289	40.4																																																																																																																																																																																																																																																																																
18x11	192	286.0	519	428	22.8	293	45.0																																																																																																																																																																																																																																																																																
18x11	211	314.0																																																																																																																																																																																																																																																																																					
18x11	234	348.0																																																																																																																																																																																																																																																																																					
18x11	258	384.0																																																																																																																																																																																																																																																																																					

Vigas IPR

		Dimensiones en mm.						
Pulgadas	Lb/ft	Kg/mt	A	B	C	D	E	
Dimensiones	18x11	283						
	18x11	311						
	21x6 1/2"	44	421					
	21x6 1/2"	50	463	Peralte exterior	525			
	21x6 1/2"	57	65.5					
	21x8 1/4"	48	74.4					
	21x8 1/4"	55	84.8	Peralte exterior	522			
	21x8 1/4"	62	81.8					
	21x8 1/4"	68	71.4					
	21x8 1/4"	73	81.8					
	21x8 1/4"	83	92.3	533	502	10.2	209	15.6
	21x8 1/4"	93	101	537	502	10.9	210	17.4
	21x8 1/4"	101	109	539	501	11.6	211	18.8
	21x12 1/4"	111	124	544	502	13.1	212	21.2
	21x12 1/4"	122	138	549	502	14.7	214	23.6
	21x12 1/4"	132	150	543	502	12.7	312	20.3
	21x12 1/2"	147	165	546	502	14.0	313	22.2
	21x12 1/2"	166	182	551	502	15.2	315	24.4
	21x12 1/2"	182	196	554	501	16.5	316	26.3
	21x12 1/2"	201	219	560	502	18.3	318	29.2
	21x12 1/2"	223	247	571	502	19.0	315	34.5
	21x12 1/2"	248	271	577	502	21.1	318	37.6
	21x12 1/2"	275	299	585	502	23.1	319	41.4
	24x7	55	332		502			
	24x7	62	409					
	24x9	56	81.8	599		10.0	178	12.8
	24x9	61	92.3	603	573	10.9	179	15.0
	24x9	68	83.3	599	573	9.0	228	13.0
	24x9	76	90.8		573			
	24x9	84	101	603		10.5	228	14.9
	24x9	94	113	608	573	11.2	228	17.3
	24x9	103	125	612	573	11.9	229	19.6
	24x12 3/4"	104	140	617	573	13.1	230	22.2
24x12 3/4"	117	153	623	573	14.0	229	24.9	
24x12 3/4"	131	155	611	573	12.7	324	19.0	
		174	616	573	14.0	325	21.6	
		195	622	573	15.4	327	24.4	

Vigas IPR

		Dimensiones en mm.						
Pulgadas	Lb/ft	Kg/mt	A	B	C	D	E	
Dimensiones	24x12 3/4"	146	217	628	573	16.5	328	27.7
	24x12 3/4"	162	241	635	573	17.1	329	31.0
	24x12 3/4"	176	262	641	573	19.0	327	34.0
	24x12 3/4"	192	286	647	573	20.6	329	37.1
	24x12 3/4"	207	308	660	573	22.0	333	39.0
	24x12 3/4"	229	341	661	573	24.4	333	43.9
	24x12 3/4"	250	372	670	573	26.6	335	47.5
	24x12 3/4"	279	415	679	573	29.5	338	53.1
	24x12 3/4"	306	455	689	573	32.0	340	57.9
	24x12 3/4"	335	499	699	573	35.1	343	63.0
	24x12 3/4"	370	551	711	573	38.6	347	69.1
	27x10	84	125	678	645	11.7	253	16.3
	27x10	94	140	684	646	12.4	254	18.9
	27x10	102	152	688	646	13.1	254	21.1
	27x10	114	170	693	646	14.5	256	23.6
	27x10	129	192	702	646	15.5	254	27.9
	27x14	146	217	700	650	15.0	358	25.3
	27x14	161	240					
	27x14	178	265	707	647	19.0	362	30.0
27x14	194	289	716	645	19.0	358	33.0	
27x14	217	323	727	650	21.0	361	38.0	
27x14	235	350	728	647	23.0	362	41.0	
27x14	258	384	733	647	25.0	364	44.0	
27x14	281	418	745	648	28.0	365	49.0	
27x14	307	457	753	648	30.0	368	53.0	
27x14	336	500	762	649	32.0	370	57.0	
27x14	368	548	772	647	33.0	370	61.0	
30x10 1/2"	90	134	746	716	11.9	265	14.9	
30x10 1/2"	99	147	753	719	13.2	265	17.0	
30x10 1/2"	108	161	758	719	13.8	266	19.3	
30x10 1/2"	116	173	762	719	14.4	267	21.6	
30x10 1/2"	124	185	766	719	14.9	267	23.6	
30x10 1/2"	132	196	770	719	15.6	268	25.4	
30x10 1/2"	148	220	779	719	16.5	266	30.0	
30x15	173	257	772	722	16.6	390	25.4	

Vigas IPR

		Dimensiones en mm.						
Pulgadas	Lb/ft	Kg/mt	A	B	C	D	E	
Dimensiones	30x15	191	284	784	722	18.0	384	29.1
	30x15	211	314	790	722	20.0	385	32.0
	30x15	235	350	796	722	24.0	385	36.0
	30x15	261	388	803	723	23.0	389	41.0
	30x15	292	435	803	720	25.0	385	46.0
	30x15	326	485	825	722	29.0	390	53.0
	30x15	357	531	831	723	31.0	388	54.0
	30x15	391	582	840	718	34.0	388	61.0
	33x11 1/2"	118	176	835	797	14.0	292	18.8
	33x11 1/2"	130	193	840	797	14.7	292	21.7
	33x11 1/2"	141	210	846	797	15.4	293	24.4
	33x11 1/2"	152	226	851	797	16.1	294	26.8
	33x11 1/2"	169	252	859	797	17.0	292	31.0
	33x15 3/4"	201	299	861	801	18.0	403	29.0
	33x15 3/4"	221	329	862	800	20.0	403	32.0
	33x15 3/4"	241	359	871	802	21.0	410	34.0
	33x15 3/4"	263	391	879	800	28.0	402	38.0
	33x15 3/4"	291	433	885	801	26.0	404	41.0
	33x15 3/4"	318	473	891	800	27.0	405	51.0
	33x15 3/4"	354	527	902	801	29.0	403	51.0
	33x15 3/4"	387	576	911	798	33.0	410	55.0
	36x12	135	201	903	863	15.2	304	20.1
	36x12	150	553	911	863	15.9	304	23.9
	36x12	160	238	915	863	16.5	305	25.9
	36x12	170	253	919	863	17.3	306	27.9
	36x12	182	271	923	863	18.4	307	30.0
	36x12	194	289	927	863	19.4	308	32.0
	36x12	210	313	932	863	21.1	309	34.5
	36x12	232	345	940	863	22.0	311	39.0
	36x12	256	381	948	863	23.0	313	43.0
	36x16 1/2"	231	344	927	825	19.3	418	32.0
	36x16 1/2"	247	368	931	824	20.3	419	34.3
36x16 1/2"	262	390	936	824	21.3	420	36.6	
36x16 1/2"	282	420	943	825	22.5	422	39.9	
36x16 1/2"	302	449	948	825	24.0	423	42.7	

Vigas IPR

	Pulgadas	Lb/ft	Kg/mt	A	B	C	D	E
Dimensiones	36x16 1/2"	Peso aprox. 330	491	957	825	25.9	422	47.0
	36x16 1/2"	361	537	965	825	28.4	425	51.1
	36x16 1/2"	395	588	976	825	31.0	427	55.9
	36x16 1/2"	441	656	987	825	34.5	431	62.0
	36x16 1/2"	487	725	999	825	38.1	434	68.1
	36x16 1/2"	529	787	1011	825	40.9	437	73.9
	36x16 1/2"	652	970	1043	825	50.0	446	89.9
	40x12	149	222	970	928	16.0	300	21.1
	40x12	167	249	980	928	16.5	300	26.0
	40x12	183	272	990	928	16.5	300	31.0
	40x12	211	314	1000	928	19.1	300	35.9
	40x12	235	350	1008	928	21.1	302	40.0
	40x12	249	371					
	40x12	264	393	1016	928	24.4	303	43.9
	40x12	278	414	1020	928	26.0	304	46.0
	40x12	294	438	1026	928	27.0	305	49.0
	40x12	327	487					
	40x12	331	493	1036	928	31.0	309	54.0
	40x12	392	583	1056	928	36.0	314	64.0
	40x16	199	296	982	928	16.5	400	27.1
	40x16	215	320	990	928	16.5	400	31.0
	40x16	249	371	1000	928	19.0	400	36.1
	40x16	277	412	1008	928	21.1	402	40.0
	40x16	297	442	1012	928	23.6	402	41.9
	40x16	324	482	1020	928	25.4	404	46.0
40x16	362	539	1030	928	28.4	407	51.1	
40x16	372	554	1032	928	29.5	408	52.0	
40x16	397	591	1040	928	31.0	409	55.9	
40x16	431	641	1048	928	34.0	412	60.0	
40x16	503	749	1068	928	39.0	417	70.0	
40x16	593	882	1092	928	45.5	424	82.0	
44x16	230	342	1090	1028	18.0	400	31.0	
44x16	262	390	1100	1028	20.0	400	36.0	
44x16	290	432	1108	1028	22.0	402	40.0	
44x16	335	499	1118	1028	26.0	405	45.0	

Perfil Tubular Pintado

PROLAMSA	PYTSA	Calibre	Peso aprox. Kgs. Pza.
V131	101	20	3.600
V120	104	20	5.800
V120	104	18	7.500
M225	112	20	5.600
M225	112	18	7.500
V154	114	20	1.100
V154	114	18	1.500
V155	117	20	1.650
C100	121	20	4.300
C100	121	18	5.600
P1400	127	18	7.300
M138	132	20	9.500
M138	139	20	5.200
M525	139	18	6.800
M525	145	20	8.700
M600	145	18	11.500
M600	146	20	9.400
V101	146	18	12.400
V101	201	20	5.600
V121	201	18	7.400
V121	204	20	5.800
V123	204	18	7.600
V123	205	20	6.500
V122	205	18	8.500
V122	206	20	5.800
C150	206	18	7.600
C150	207	20	6.600
C150	207	18	8.700
C150	207	16	10.650
C125	207	14	13.100
C125	208	20	5.400
C125	208	18	7.200
C125	208	16	8.800
R225	208	14	10.700
R225	209	20	6.600
C075	209	18	8.700
C075	210	20	3.150
V124	210	18	4.200
C050	211	18	3.900
C050	212	20	2.200
R100	212	18	2.800
R100	215	20	3.150
R200	215	18	4.200
R200	216	20	6.500
R200	216	18	8.700
V103	216	14	13.100
V103	219	20	6.600
	219	18	8.700

Perfil tubular zintro

PROLAMSA	PYTSA	Calibre	Peso aprox. Kgs. Pza.
V144	224	20	7.000
V144	224	18	9.000
P1500	227	14	17.630
P1500	227	16	14.250
R125	228	18	5.600
R125	228	20	4.300
R175	230	20	5.400
R175	230	18	7.200
V106	233	20	6.600
V106	233	18	8.700
P150	234	20	7.450
P150	234	18	9.700
P015	235	18	11.260
P015	235	20	8.500
P100	236	20	6.100
P100	236	18	8.000
P020	238	20	9.300
R249	241	20	8.000
R249	241	18	10.500
V127	242	20	8.500
V127	242	18	11.200
V126	243	20	7.800
V126	243	18	10.200
P200	261	20	8.200
P200	261	18	10.800
P250	268	20	9.300
P250	268	18	12.000
C200	307	18	11.500
C200	307	16	14.300
C200	307	14	17.700
P300	310	20	10.500
P300	310	18	13.800
R300	322	20	9.600
R300	322	18	12.700
R300	322	16	15.600
R300	322	14	19.200
R250	368	20	8.500
R250	368	18	11.800
P400	410	20	12.700
P400	410	18	16.800
R400	422	20	11.800
R400	422	18	15.600
R400	422	16	19.300
R400	422	14	23.800

Lámina Lisa Galvanizada

Lámina ONDULADA

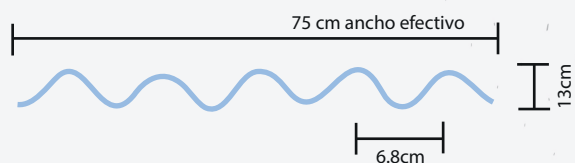


Lámina ONDULADA GF-81

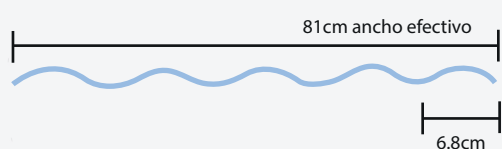


Lámina RECTANGULAR (R101)



Lámina GR-100

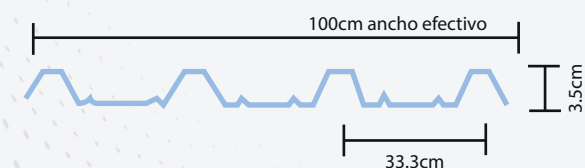


Lámina R PANEL

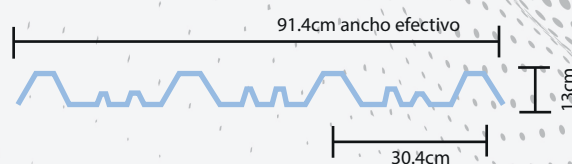


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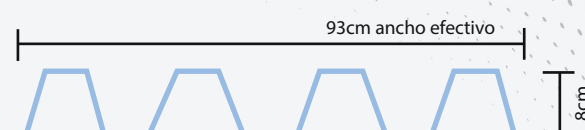


Lámina ESTRUCTURAL /GW

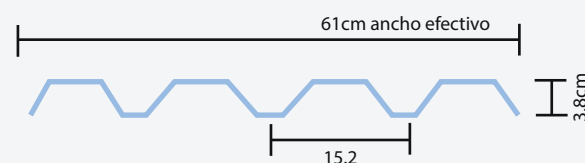
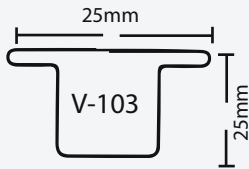


Lámina Galvanizada y Pintada

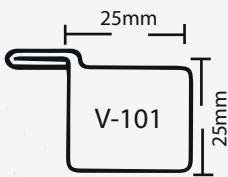
Tabla de pesos y medidas

Cal	Pulg.	mm	3'X6'	3'X8'	3'X10'	3'X12'	4'X10'	4'12'
10	0.1360	3.454	45.33	60.44	75.55	90.66	83.00	103.00
12	0.1061	2.695	35.36	47.14	58.93	70.71	62.85	78.57
14	0.0762	1.936	25.38	33.84	42.30	50.76	45.14	56.33
16	0.0613	1.557	20.40	27.21	34.01	40.81	36.28	45.35
18	0.0493	1.252	16.42	21.89	27.36	32.83	29.18	36.48
20	0.0374	0.950	12.44	16.59	20.74	24.89	22.11	27.63
22	0.0314	0.798	10.43	13.91	19.39	20.86	18.54	23.18
24	0.0224	0.569	7.43	9.91	12.38	14.86	13.22	16.53
26	0.0194	0.493	6.44	8.59	10.74	12.88	11.44	14.30
28	0.0164	0.417	5.44	7.25	9.06	10.87	9.99	12.08
30	0.0135	0.343	4.47	5.95	7.44	8.93		

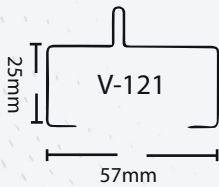
Lámina Lisa Galvanizada



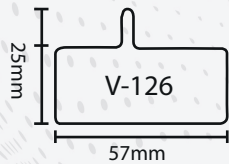
Regiopytsa	Calibre	Peso x Pieza
219	20	6.60
	18	8.70



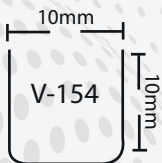
Regiopytsa	Calibre	Peso x Pieza
201	20	5.60
	18	7.50



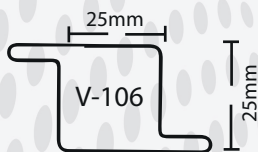
Regiopytsa	Calibre	Peso x Pieza
204	20	5.80
	18	7.60



Regiopytsa	Calibre	Peso x Pieza
243	20	7.80
	18	10.20

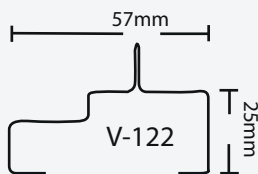


Regiopytsa	Calibre	Peso x Pieza
114	20	1.20
	18	1.50

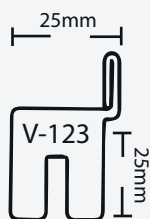


Regiopytsa	Calibre	Peso x Pieza
233	20	6.60
	18	8.70

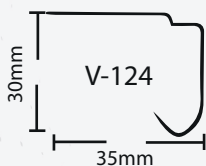
Perfil Tubular



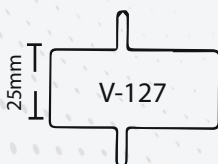
Regiopytsa	Calibre	Peso x Pieza
206	20	5.80
	18	7.60



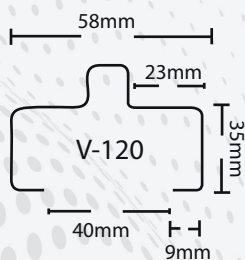
Regiopytsa	Calibre	Peso x Pieza
205	20	6.50
	18	8.55



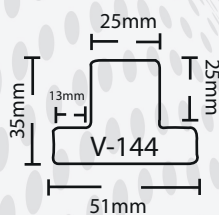
Regiopytsa	Calibre	Peso x Pieza
211	18	4.20



Regiopytsa	Calibre	Peso x Pieza
242	18	8.87
	20	11.51

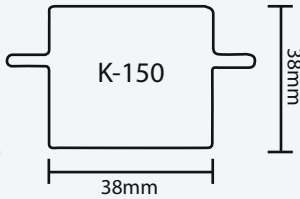


Regiopytsa	Calibre	Peso x Pieza
104	20	6.20
	18	7.60

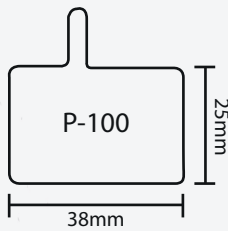


Regiopytsa	Calibre	Peso x Pieza
224	20	7.20
	18	9.00

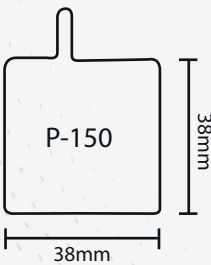
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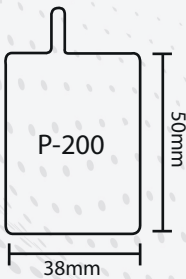
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224	20	7.92
	18	11.40



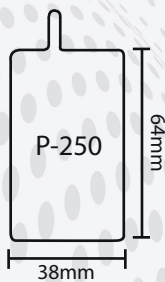
Regiopytsa	Calibre	Peso x Pieza
236	20	6.20
	18	8.00



Regiopytsa	Calibre	Peso x Pieza
234	20	7.50
	18	9.70

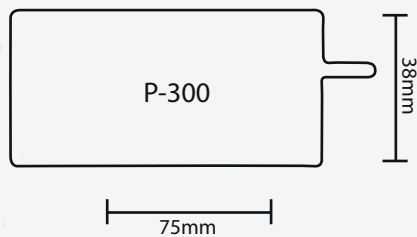


Regiopytsa	Calibre	Peso x Pieza
261	20	8.40
	18	10.80

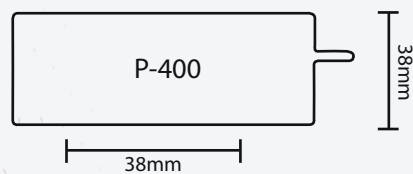


Regiopytsa	Calibre	Peso x Pieza
268	20	9.69
	18	12.00

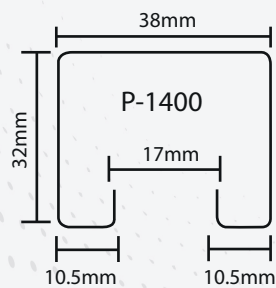
Perfil Tubular



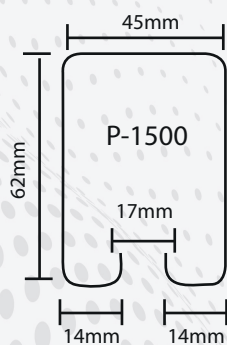
Regiopytsa	Calibre	Peso x Pieza
310	20	10.60
	18	13.80



Regiopytsa	Calibre	Peso x Pieza
410	20	12.70
	18	16.00

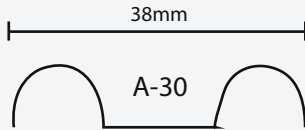


Regiopytsa	Calibre	Peso x Pieza
127	20	7.80

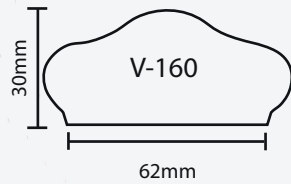


Regiopytsa	Calibre	Peso x Pieza
227	16	14.25

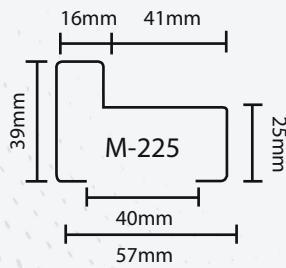
Perfil Tubular



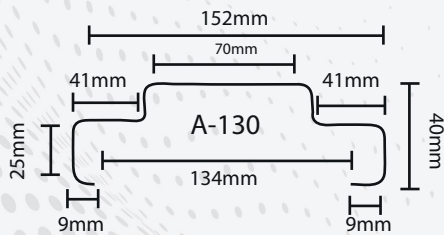
Regiopytsa	Calibre	Peso x Pieza
	18	2.70



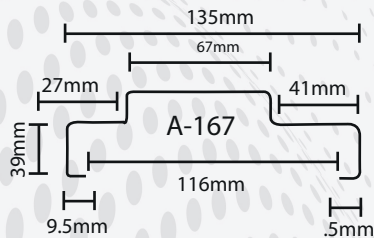
Regiopytsa	Calibre	Peso x Pieza
225	20	6.70
	18	9.00



Regiopytsa	Calibre	Peso x Pieza
112	20	5.90
	18	7.70



Regiopytsa	Calibre	Peso x Pieza
261	20	8.40
	18	11.40



Regiopytsa	Calibre	Peso x Pieza
268	20	9.69
	18	12.78

Perfil Tubular CUADRADOS



C-050

Regiopytsa	Calibre	Peso x Pieza
212	20	2.22
	18	12.90



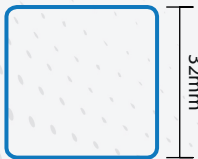
C-075

Regiopytsa	Calibre	Peso x Pieza
210	20	3.28
	18	4.30



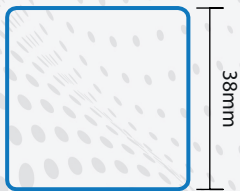
C-100

Regiopytsa	Calibre	Peso x Pieza
121	20	4.34
	18	5.70



C-125

Regiopytsa	Calibre	Peso x Pieza
208	20	5.58
	18	7.34
	16	9.10
	14	10.68



C-150

Regiopytsa	Calibre	Peso x Pieza
207	20	6.63
	18	8.80
	16	10.90
	14	13.08

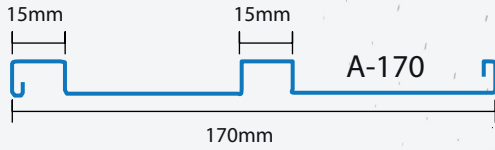


C-200

Regiopytsa	Calibre	Peso x Pieza
307	18	11.70
	16	14.45
	14	18.00

Perfil Tubular

Duelas



Regiopytsa	Calibre	Peso x Pieza
132	20	9.60



Regiopytsa	Calibre	Peso x Pieza
132	20	9.60

Tableros



Calibre
20 y 22

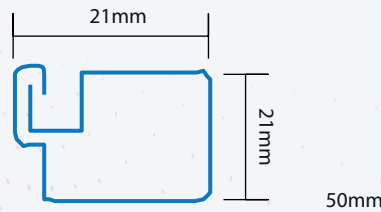


Calibre
20 y 22



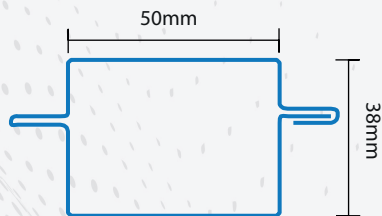
Calibre
20 y 22

Mosquitero



Regiopytsa	Calibre	Peso x Pieza
132	20	9.60

Ventana

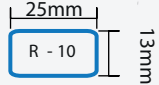
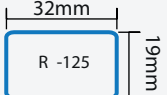
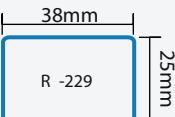
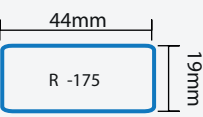
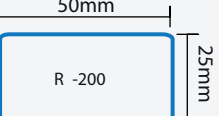
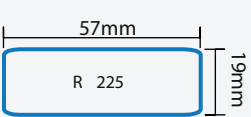
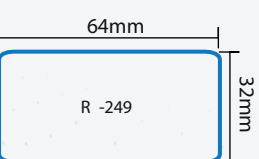
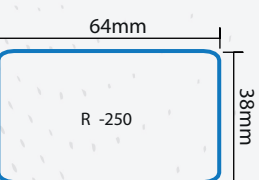
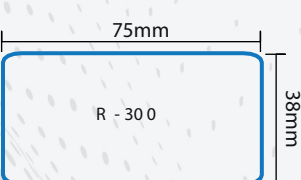
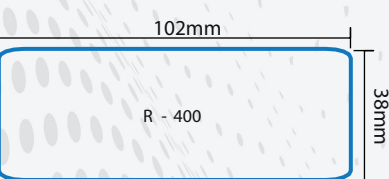


Regiopytsa	Calibre	Peso x Pieza
	20	9.30
	18	12.85



Regiopytsa	Calibre	Peso x Pieza
210	20	11.60
	18	15.60

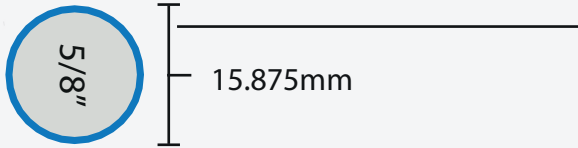
Perfil Tubular RECTANGULARES

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Regiopytsa	Calibre	Peso x Pieza											
215	20	3.20											
	18	4.30											
	<table border="1"> <thead> <tr> <th>Regiopytsa</th> <th>Calibre</th> <th>Peso x Pieza</th> </tr> </thead> <tbody> <tr> <td rowspan="2">228</td> <td>20</td> <td>4.51</td> </tr> <tr> <td>18</td> <td>5.93</td> </tr> </tbody> </table>	Regiopytsa	Calibre	Peso x Pieza	228	20	4.51	18	5.93				
Regiopytsa	Calibre	Peso x Pieza											
228	20	4.51											
	18	5.93											
	<table border="1"> <thead> <tr> <th>Regiopytsa</th> <th>Calibre</th> <th>Peso x Pieza</th> </tr> </thead> <tbody> <tr> <td rowspan="2">229</td> <td>20</td> <td>5.38</td> </tr> <tr> <td>18</td> <td>7.18</td> </tr> </tbody> </table>	Regiopytsa	Calibre	Peso x Pieza	229	20	5.38	18	7.18				
Regiopytsa	Calibre	Peso x Pieza											
229	20	5.38											
	18	7.18											
	<table border="1"> <thead> <tr> <th>Regiopytsa</th> <th>Calibre</th> <th>Peso x Pieza</th> </tr> </thead> <tbody> <tr> <td rowspan="2">230</td> <td>20</td> <td>5.67</td> </tr> <tr> <td>18</td> <td>7.46</td> </tr> </tbody> </table>	Regiopytsa	Calibre	Peso x Pieza	230	20	5.67	18	7.46				
Regiopytsa	Calibre	Peso x Pieza											
230	20	5.67											
	18	7.46											
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Regiopytsa	Calibre	Peso x Pieza											
216	20	6.63											
	18	8.80											
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Regiopytsa	Calibre	Peso x Pieza											
209	20	6.81											
	18	8.97											
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Regiopytsa	Calibre	Peso x Pieza											
241	20	8.00											
	18	10.50											
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Regiopytsa	Calibre	Peso x Pieza											
368	20	8.50											
	18	11.80											
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Regiopytsa	Calibre	Peso x Pieza											
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	18	12.70											
	16	16.20											
	14	20.00											
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Regiopytsa	Calibre	Peso x Pieza											
422	20	11.80											
	18	15.60											
	16	19.80											
	14	24.60											

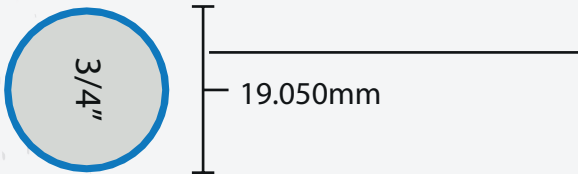
Tubo industrial



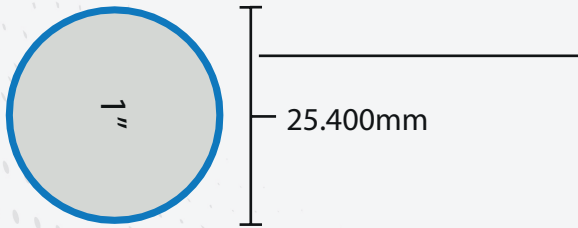
Pared Calibre	Longitud Mts	Kg x metro	Kilos x pieza	Piezas x atado
16	6	0.486	2.914	30
18	6	0.387	2.319	30



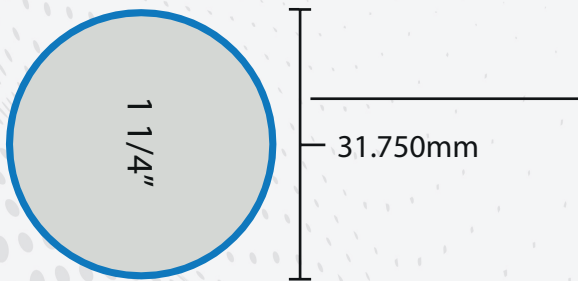
Pared Calibre	Longitud Mts	Kg x metro	Kilos x pieza	Piezas x atado
14	6	0.759	4.552	16
16	6	0.607	3.642	20
18	6	0.483	2.899	20



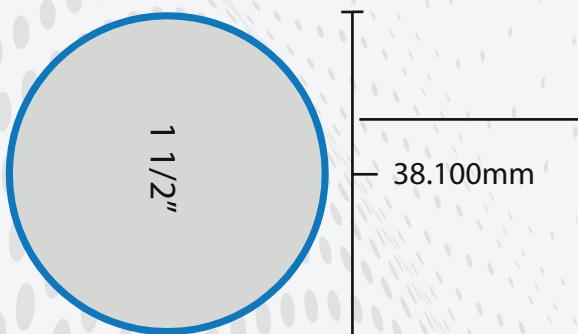
Pared Calibre	Longitud Mts	Kg x metro	Kilos x pieza	Piezas x atado
14	6	0.910	5.463	16
16	6	0.728	4.370	20
18	6	0.580	3.479	20



Pared Calibre	Longitud Mts	Kg x metro	Kilos x pieza	Piezas x atado
14	6	1.214	7.284	10
16	6	0.971	5.827	13
18	6	0.773	4.639	16

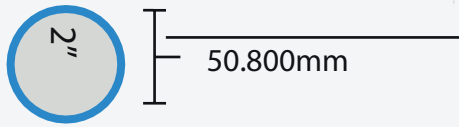


Pared Calibre	Longitud Mts	Kg x metro	Kilos x pieza	Piezas x atado
14	6	1.517	9.105	7
16	6	1.214	7.284	10
18	6	0.966	5.799	10

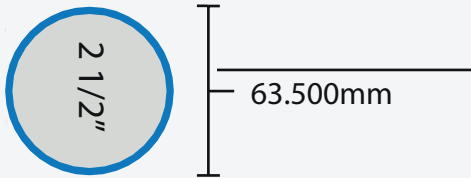


Pared Calibre	Longitud Mts	Kg x metro	Kilos x pieza	Piezas x atado
14	6	1.821	10.926	7
16	6	1.457	8.741	7
18	6	1.160	6.958	10

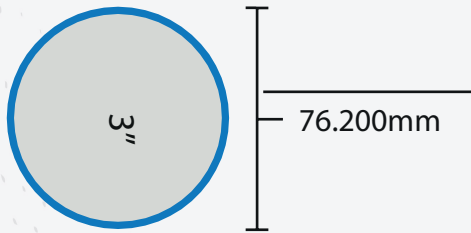
Tubos



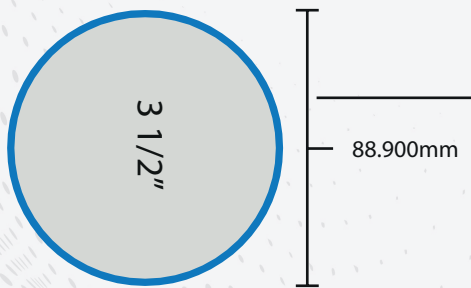
Pared Calibre	Longitud Mts	Kg x metro	Kilos x pieza	Piezas x atado
14	6	2.428	14.568	
16	6	1.942	11.654	5
18	6	1.546	9.278	7



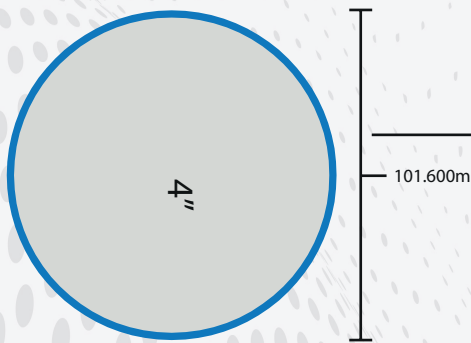
Pared Calibre	Longitud Mts	Kg x metro	Kilos x pieza	Piezas x atado
14	6	3.035	18.210	
16	6	2.428	14.568	
18	6	1.933	11.597	



Pared Calibre	Longitud Mts	Kg x metro	Kilos x pieza	Piezas x atado
14	6	3.642	21.851	
16	6	2.914	17.481	
18	6	2.319	13.917	



Pared Calibre	Longitud Mts	Kg x metro	Kilos x pieza	Piezas x atado
14	6	4.249	25.493	
16	6	3.399	20.395	
18	6	2.706	16.236	



Pared Calibre	Longitud Mts	Kg x metro	Kilos x pieza	Piezas x atado
14	6	4.856	29.135	
16	6	3.885	23.308	
18	6	3.093	18.556	

Rejilla IRVING

SOLERA DE CARGA		DISTANCIA ENTRE APOYOS, EN METROS					
		.025	0.5	0.75	1	1.25	1.5
1" X 3/16"	R-1	2227	613	<div style="border: 1px solid black; padding: 5px;"> R-1 Carga en rodada sencilla R-2 Carga en rodada doble D-Deformación (flecha en mm) P-Peso x m2 SX-Módulo de Sección x ML </div>			
	R-2	5346	1472				
D	0.33	1.31					
P	55.1						
SX	0.512						
1 1/4" X 3/16"	R-1	3448	1022				
	R-2	8276	2453				
D	0.26	1.04					
P	64						
SX	0.8						
1 1/2" X 3/16"	R-1	7458	1649	898			
	R-2	11796	3957	2154			
D	0.21	0.86	1.93				
P	75.8						
SX	1.152						
1 1/2" X 1/4"	R-1	7458	3722	1456			
	R-2	17900	8932	3495			
D	0.24	0.98	2.20				
P	99.6						
SX	2.047						
2" X 3/16"	R-1	8586	4285	1737	1170		
	R-2	20606	10285	4169	2809		
D	0.16	0.63	1.42	2.53			
P	99.6						
SX	2.047						
2" X 1/4"	R-1	13087	3533	4344	1906	1408	
	R-2	31408	15680	10427	4574	3402	
D	0.18	0.72	1.63	2.89	4.52		
P	131.1						
SX	2.731						
2" X 3/8"	R-1	114941	11084	7373	5513	2625	
	R-2	35859	26601	17695	13230	6322	
D	0.21	0.83	1.87	3.33	5.21		
P	194.6						
SX	4.021						
2 1/2" X 3/16"	R-1		6593	4385	1928	1433	1151
	R-2		15824	10524	4627	3440	2762
D		0.5	1.12	1.99	3.12	4.49	
P	132.2						
SX	3.199						
2 1/2" X 3/8"	R-1		17269	11492	8598	6857	3470
	R-2		41445	27582	20635	16456	9328
D		0.66	1.49	2.66	4.05	5.98	
P	242						
SX	6.284						
3" X 3/8"	R-1		19922	16519	12364	9865	8194
	R-2		47813	39645	29673	23675	19666
D		0.55	1.24	2.21	3.45	4.97	
P	286.6						
SX	9.048						

CAPACIDAD DE CARGA PERMISIBLE RODANTE DE REJILLA DE ACERO AL CARBÓN PARA SERVICIO PESADO
NORMAS ANSINA AMM MBG 531-00 Y MBG 532-00 NORMA, ESPECIFICACION ASTM-A-101 1/1 A 101M-08 Y/O ASTM-A-36

Tubo Galvanizado

CEDULA 40 - L200

DIAMETRO NOMINAL	DIAMETRO EXTERIOR		ESPESOR		CED No.	PRESIONES PRUEBA HIDROSTÁTICA ASTM A53 GA		PESO NOMINAL EXTREMO LISO		SISTEMA DE EMBARQUE		
	pul	mm	pul	mm		lb/pulg 2	kg/cm 2	lb/pie	kg/m	kg/pza	pzas/paq	
1/2	13	0.840	21.3	0.090	2.29	I-200	700	49	0.70	1.07	7.0	120
3/4	19	1.050	26.7	0.095	2.41	I-200	700	49	0.97	1.45	9.0	84
1	25	1.315	33.4	0.104	2.64	I-200	700	49	1.32	2.00	13.0	60
1 1/4	32	1.660	42.2	0.110	2.79	I-200	1200	84	1.82	2.72	17.5	42
1 1/2	38	1.900	48.3	0.114	2.92	I-200	1200	84	2.19	3.27	21.0	36
2	51	2.375	60.3	0.120	3.05	I-200	1200	84	2.89	4.30	27.5	26
2 1/2	64	2.875	73.0	0.160	4.06	I-200	1950	134	4.64	6.25	40.0	18
3	76	3.500	88.9	0.170	4.32	I-200	1750	123	6.06	9.01	57.5	14
4	102	4.500	114.3	0.185	4.70	I-200	1500	105	8.54	12.70	81.0	10
5				0.188	4.78	I-200	1020	72	12.92	19.26	123.0	7
6	152	6.625	168.3	0.250	6.35	I-200	1360	96	17.02	25.36	162.0	7