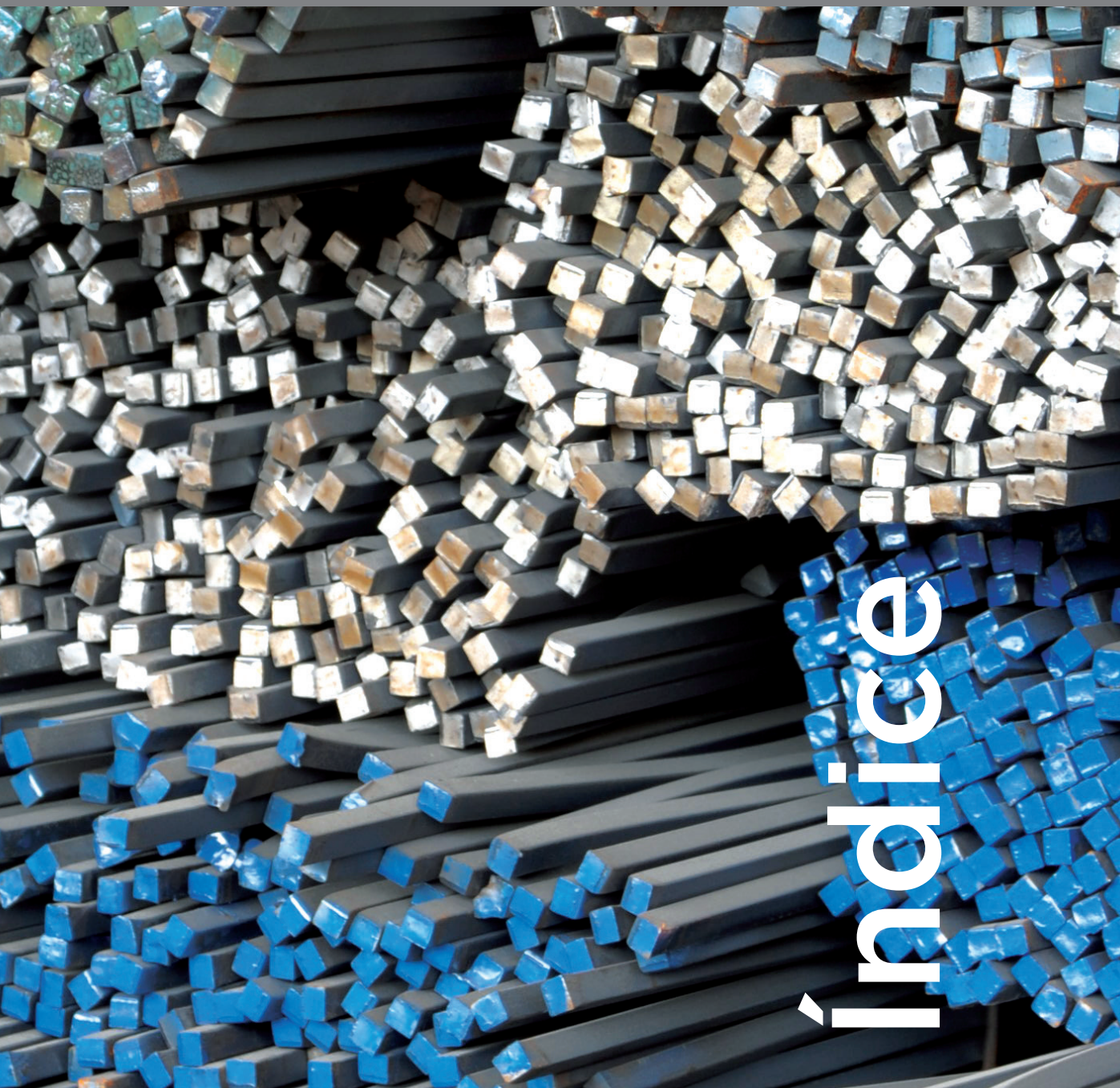


ACEROS S

CHULAVISTA

Catálogo de Productos



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HSS CUADRADOS

Dimensiones Exteriores		Cal.	Espesor					
			in	3/16	1/4	5/16	3/8	1/2
				mm	0.188	0.250	0.313	0.375
in	mm	mm	4.8	6.4	7.9	9.5	12.7	
4 x 4	101.6 x 101.6	Peso kg / m	14.02	18.17	22.07	25.70		
5 x 5	127.0 x 127.0		17.81	23.25	28.39	33.29		
6 x 6	152.4 x 152.4		21.62	28.30	34.73	40.89	52.44	
7 x 7	177.8 x 177.8		25.42	33.36	41.06	48.48	62.58	
8 x 8	203.2 x 203.2		29.21	38.42	47.38	56.09	72.70	
10 x 10	254.0 x 254.0		36.80	48.56	60.05	71.28	92.95	
12 x 12	304.8 x 304.8			58.68	72.71	86.46	113.20	
14 x 14	355.6 x 355.6				85.36	101.66	133.46	
16 x 16	406.4 x 406.4				98.03	116.85	153.73	

PTR CUADRADOS

Dimensiones Exteriores		Cal.	Espesor													
			in	16	14	13	12	11	10	9	8	7	3/16	4	1/4	
				mm	0.060	0.075	0.090	0.105	0.120	0.135	0.150	0.164	0.179	0.188	0.224	0.250
in	mm	mm	1.5	1.9	2.3	2.7	3.1	3.4	3.8	4.2	4.5	4.8	5.7	6.4		
3/4 x 3/4	19.1 x 19.1	Peso kg / m		1.06												
1 x 1	25.4 x 25.4		1.10	1.33	1.55	1.76	1.95	2.13								
1 1/4 x 1 1/4	31.8 x 31.8		1.40	1.71	2.01	2.29	2.56	2.81								
1 1/2 x 1 1/2	38.1 x 38.1		1.70	2.09	2.47	2.82	3.17	3.50	3.81	4.09	4.37					
1 3/4 x 1 3/4	44.5 x 44.5			2.56	3.05	3.53	4.14	4.62								
2 x 2	50.8 x 50.8		2.31	2.85	3.38	3.89	4.38	4.86	5.33	5.75	6.19	6.31				
2 1/4 x 2 1/4	57.2 x 57.2			3.49		4.85	5.50	6.15								
2 1/2 x 2 1/2	63.5 x 63.5			3.61	4.29	4.95	5.60	6.23	6.85	7.41	8.00					
3 x 3	76.2 x 76.2			4.37	5.20	6.01	6.81	7.60	8.37	9.07	9.81		11.94	13.11		
3 1/2 x 3 1/2	88.9 x 88.9				6.11	7.08	8.03	8.97	9.89	10.73	11.62		14.21	15.64		
4 x 4	101.6 x 101.6			5.87	7.02	8.14	9.24	10.33	11.41	12.39	13.44		16.48	18.18		
4 1/2 x 4 1/2	114.3 x 114.3						10.24		13.02			15.90		20.67		
5 x 5	127.0 x 127.0					10.27	11.68	13.07	14.44	15.72	17.06	17.90	21.02	23.24		

HSS RECTANGULARES

Dimensiones Exteriores		Cal.	Espesor					
			in	3/16	1/4	5/16	3/8	1/2
				mm	0.188	0.250	0.313	0.375
in	mm	mm	4.8	6.4	7.9	9.5	12.7	
5 X 3	127.0 X 76.2	Peso kg / m	14.02	18.17	22.07	25.70		
6 x 2	152.4 x 50.8		14.02	18.17	22.07	25.70		
6 x 3	152.4 x 76.2		15.92	20.70	25.24	29.50		
6 x 4	152.4 x 101.6		17.81	23.25	28.39	33.29		
7 x 3	177.8 x 76.2		17.81	23.25	28.39	33.29		
7 x 5	177.8 x 127.0		21.62	28.30	34.73	40.89	52.44	
8 x 2	203.2 x 50.8		17.81	23.25	28.39	33.29		
8 x 3	203.2 x 76.2		19.27	25.77	31.56	37.10		
8 x 4	203.2 x 101.6		21.62	28.30	34.73	40.89	52.44	
8 x 6	203.2 x 152.4		25.42	33.36	41.06	48.48	62.58	
10 x 4	254.0 x 101.6		25.42	33.36	41.06	48.48	62.58	
10 x 6	254.0 x 152.4		29.21	38.42	47.38	56.09	72.70	
12 x 4	304.8 x 101.6		29.21	38.42	47.38	56.09	72.70	
12 x 8	304.8 x 203.2		36.80	48.56	60.05	71.28	92.95	
14 x 6	355.6 x 152.4		36.80	48.56	60.05	71.28	92.95	
14 x 10	355.6 x 254.0			58.68	72.71	86.46	113.20	
16 x 4	406.4 x 101.6		36.80	48.56	60.05	71.28	92.95	
16 x 8	406.4 x 203.2			58.68	72.71	86.46	113.20	
16 x 12	406.4 x 304.8				85.36	101.66	133.46	
18 x 6	457.2 x 152.4			58.68	72.71	86.46	113.20	
20 x 8	508.0 x 203.2			85.36	101.66	133.46		
20 x 12	508.0 x 304.8			98.03	116.85	153.73		

PTR RECTANGULARES

Dimensiones Exteriores		Cal.	Espesor													
			in	16	14	13	12	11	10	9	8	7	3/16	4	1/4	
				mm	0.060	0.075	0.090	0.105	0.120	0.135	0.150	0.164	0.179	0.188	0.224	0.250
in	mm	mm	1.5	1.9	2.3	2.7	3.1	3.4	3.8	4.2	4.5	4.8	5.7	6.4		
1 1/2 x 1	38.1 x 25.4	Peso kg / m	1.40	1.71	2.01	2.29	2.56	2.81								
2 x 1	50.8 x 25.4		1.70	2.09	2.47	2.82	3.17	3.50	3.81	4.09	4.37					
2 x 1 1/2	50.8 x 38.1		2.01	2.47	2.92	3.36	3.77	4.18	4.57	4.92	5.28					
2 1/4 x 3/4	57.2 x 19.1			2.24	2.67	3.10	3.41	3.80								
2 1/2 x 1 1/4	63.5 x 31.8			2.87												
2 1/2 x 1 1/2	63.5 x 38.1		2.31	2.85	3.38	3.89	4.38	4.86	5.33	5.75	6.19					
3 x 1	76.2 x 25.4		2.31	2.85	3.38	3.89	4.38	4.86	5.33	5.75	6.19					
3 x 1 1/2	76.2 x 38.1		2.61	3.23	3.83	4.42	4.99	5.55	6.09	6.58	7.09					
3 x 2	76.2 x 50.8			3.61	4.29	4.95	5.60	6.23	6.85	7.41	8.00	8.31				
4 x 1 1/2	101.6 x 38.1			3.99	4.74	5.48	6.21	6.91	7.61	8.24	8.91					
4 x 2	101.6 x 50.8			4.37	5.20	6.01	6.81	7.60	8.37	9.07	9.81	10.21	11.94	13.11		
4 x 3	101.6 x 76.2			5.11	6.11	7.08	8.03	8.97	9.89	10.73	11.62	12.11	14.21	15.64		
5 x 3	127.0 x 76.2			5.87	7.02	8.14	9.24	10.33	11.41	12.39	13.44	14.00	16.48	18.18		
6 x 2	152.4 x 50.8			5.87	7.02	8.14	9.24	10.33	11.41	12.39	13.44	14.00	16.48	18.18		
6 x 3	152.4 x 76.2						10.24		13.02			15.90		20.67		
6 x 4	152.4 x 101.6			8.85	10.27	11.68	13.07	14.44	15.72	17.06	17.90	21.02	23.24			

CONSTRUCCIÓN

VARILLA CORRUGADA

Diámetro		#	Peso kg / pieza	
in	mm		9.15 m	12.00 m
5/16	7.9	2	3.60	4.80
3/8	9.5	3	5.20	6.75
1/2	12.7	4	9.20	12.20
5/8	15.9	5	14.40	18.75
3/4	19.1	6	20.70	27.00
1	25.4	8	36.80	48.00
1 1/4	31.8	10		75.00
1 1/2	38.1	12		108.00

CASTILLOS ELECTROSOLDADOS

Denominación	Sección Concreto cm	Número de Varillas	Peso kg / pieza
15-15-4	15 x 15	4	6.91
15-20-4	15 x 20	4	7.29
15-30-4	15 x 30	4	8.04
15-15-3	15 x 15	3	5.25

ALAMBRES

Producto	Diámetro			Peso	
	in	mm	Calibre	kg / m	m / kg
Alambrón	1/4	6.4		0.248	
Alambre Recocido	0.060	1.5	16	0.015	65.19

TELAS ELECTROSOLDADAS

Denominación	Diámetro			Peso kg / m ²	Dimensiones del Rollo m		Área / Rollo m ²
	Calibre	in	mm		Ancho	Largo	
66-1010	10	0.135	3.4	0.98	2.50	40.00	100.00
66-88	8	0.164	4.2	1.39	2.50	40.00	100.00
66-66	6	0.192	4.9	1.98	2.50	40.00	100.00
66-44	4	0.224	5.7	2.72	2.50	40.00	100.00

PERFIL ESTRUCTURAL

ANGULOS LADOS IGUALES

Espesor	Ancho		Espesor	Ancho	Peso kg / m
	in	mm			
1/8	3/4			19.1	0.88
	1			25.4	1.19
	1 1/4		3.2	31.8	1.50
	1 1/2			38.1	1.83
	1 3/4			44.4	2.14
	2			50.8	2.46
5/32	1 1/2			38.1	2.28
	2		4.0	50.8	3.09
	2 1/2			63.5	3.92
3/16	1			25.4	1.73
	1 1/4			31.8	2.20
	1 1/2			38.1	2.68
	1 3/4		4.8	44.4	3.11
	2			50.8	3.63
	2 1/2			63.5	4.60
	3			76.2	5.52
3 1/2			88.9	6.55	
1/4	1			25.4	2.22
	1 1/4			31.8	2.86
	1 1/2		6.4	38.1	3.49
	1 3/4			44.4	4.12
	2			50.8	4.75
	2 1/2			63.5	6.10

ANGULOS LADOS IGUALES

Espesor	Ancho		Espesor	Ancho	Peso kg / m
	in	mm			
1/4	3			76.2	7.29
	3 1/2		6.4	88.9	8.63
	4			101.6	9.90
5/16	2 1/2			63.5	7.44
	3			76.2	9.08
	3 1/2		7.9	88.9	10.71
	4			101.6	12.20
	5			127.0	15.47
	2			50.8	6.99
3/8	2 1/2			63.5	8.79
	3			76.2	10.72
	3 1/2		9.5	88.9	12.65
	4			101.6	14.60
	5			127.0	18.30
	6			152.4	22.17
7/16	4			101.6	16.82
	5		11.1	127.0	21.28
1/2	6			152.4	25.60
	3			76.2	13.99
	3 1/2			88.9	16.52
	4		12.7	101.6	19.00
	5			127.0	24.11
	6			152.4	29.17

PERFIL ESTRUCTURAL

ANGULOS LADOS IGUALES

Espesor	Ancho		Peso kg / m
	in	mm	
5/8	4	15.9	23.40
	6	152.4	36.01
3/4	6	19.1	42.71
	8	203.2	57.90
7/8	8	22.2	67.00
1	8	25.4	75.90

ANGULOS LADOS DESIGUALES

Espesor	Ancho		Peso kg / m
	in	mm	
3/16	3 X 2	4.8	4.60
1/4	3 X 2	6.4	6.10
3/8	6 X 4	9.5	18.30
1/2	6 X 4	12.7	24.11

SOLERAS

Espesor	Ancho		Peso kg / m
	in	mm	
5/16	2 1/2	63.5	3.96
	3	7.9	4.76
	4	101.6	6.34
	5	127.0	7.93
	6	152.4	9.51
	3/8	1	9.5
1 1/4		31.8	2.37
1 1/2		38.1	2.85
2		50.8	3.80
2 1/2		63.5	4.75
3		76.2	5.70
4		101.6	7.60
5		127.0	9.50
6		152.4	11.40
8		203.2	15.19
10		254.0	18.99
12		304.8	22.79
1/2	1	25.4	2.53
	1 1/4	31.8	2.50
	1 1/2	38.1	3.80
	2	50.8	5.07
	2 1/2	63.5	6.33
	3	76.2	7.60
	4	101.6	10.13
	5	127.0	12.66
	6	152.4	15.19
	8	203.2	20.26
	10	254.0	25.32
	12	304.8	30.39

SOLERAS

Espesor	Ancho		Peso kg / m	
	in	mm		
5/8	11/2	15.9	4.75	
	2	50.8	6.33	
	2 1/2	63.5	7.91	
	3	76.2	9.50	
	4	101.6	12.66	
	5	127.0	15.83	
	6	152.4	18.99	
	8	203.2	25.32	
	10	254.0	31.66	
	12	304.8	37.99	
	3/4	11/2	19.1	5.70
		2	50.8	7.60
2 1/2		63.5	9.50	
3		76.2	11.40	
4		101.6	15.19	
5		127.0	18.99	
6		152.4	22.79	
8		203.2	30.39	
10		254.0	37.99	
12		304.8	45.58	
1		2	25.4	10.13
		3	76.2	15.19
	4	101.6	20.26	
	5	127.0	25.32	
	6	152.4	30.39	
	8	203.2	40.52	
	10	254.0	50.64	
	12	304.8	60.76	

SOLERAS

Espesor	Ancho		Peso kg / m
	in	mm	
1/8	1/2	12.7	0.32
	3/4	19.1	0.48
	1	25.4	0.63
	1 1/4	31.8	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	1/2	12.7	0.48
	3/4	19.1	0.72
	1	25.4	0.95
	1 1/4	31.8	1.19
	1 1/2	38.1	1.43
	2	50.8	1.90
	2 1/2	63.5	2.38
	3	76.2	2.86

SOLERAS

Espesor	Ancho		Peso kg / m
	in	mm	
1/4	1/2	12.7	0.63
	3/4	19.1	0.95
	1	25.4	1.27
	1 1/4	31.8	1.58
	1 1/2	38.1	1.90
	2	50.8	2.53
	2 1/2	63.5	3.17
	3	76.2	3.80
	4	101.6	5.07
	5	127.0	6.33
	6	152.4	7.60
	8	203.2	10.12
5/16	10	254.0	12.65
	12	304.8	15.18
5/16	11/2	38.1	2.38
	2	50.8	3.17

REDONDOS Y CUADRADOS

Dimensiones		Peso kg / m	
in	mm	Redondos	Cuadrados
3/8	9.5	0.56	0.71
7/16	11.1	0.76	0.97
15/32	11.9		1.20
1/2	12.7	0.99	1.27
9/16	14.3	1.26	1.60
5/8	15.9	1.55	1.98
11/16	17.5	1.88	2.39
3/4	19.1	2.24	2.85
13/16	20.6	2.62	3.34
7/8	22.2	3.04	3.87
15/16	23.8	3.49	4.45
1	25.4	3.97	5.06
1 1/16	27.0	4.49	5.71
1 1/8	28.6	5.03	6.40
1 3/16	30.2	5.61	7.14
1 1/4	31.8	6.21	7.91
1 5/16	33.3	6.85	8.72
1 3/8	34.9	7.47	9.57
1 1/2	38.1	8.94	11.40
1 9/16	39.7	9.70	12.35
1 3/4	44.4	12.17	15.40
1 13/16	46.0	13.06	16.62
2	50.8	15.90	20.24
2 1/8	54.0	17.65	22.85
2 1/4	57.1	20.12	25.53
2 1/2	63.5	24.84	31.63













CANALES

Peralte	Peso		Ancho del Patín		Espesor del Patín		Espesor del Alma		
	in	mm	kg / m	lb / ft	in	mm	in	mm	
3	76.2	5.20	3.49	1.372	34.8	0.273	6.9	0.132	3.4
		6.10	4.01	1.410	35.8	0.273	6.9	0.170	4.3
4	101.6	6.70	4.50	1.584	40.2	0.296	7.5	0.125	3.2
		8.04	5.40	1.584	40.2	0.296	7.5	0.184	4.7
5	127.0	10.40	6.99	1.750	44.4	0.320	8.1	0.190	4.8
6	152.4	12.20	8.20	1.920	48.8	0.343	8.7	0.200	5.1
		15.63	10.50	2.034	51.7	0.343	8.7	0.314	8.0
		19.35	13.00	2.157	54.8	0.343	8.7	0.437	11.1
8	203.2	17.11	11.50	2.260	57.4	0.390	9.9	0.220	5.6
		20.46	13.75	2.343	59.5	0.390	9.9	0.303	7.7
		27.90	18.75	2.527	64.2	0.390	9.9	0.487	12.4
10	254.0	22.76	15.29	2.600	66.0	0.436	11.1	0.240	6.1
		29.76	20.00	2.739	69.6	0.436	11.1	0.379	9.6
		37.20	25.00	2.886	73.3	0.436	11.1	0.526	13.4
12	304.8	44.64	30.00	3.033	77.0	0.436	11.1	0.673	17.1
		30.80	20.70	2.942	74.7	0.501	12.7	0.282	7.2
		37.20	25.00	3.047	77.4	0.501	12.7	0.387	9.8
15	381.0	50.40	33.87	3.400	86.4	0.650	16.5	0.400	10.2


















SEMIFLECHA

Diámetro		Peso kg / m
in	mm	
3/16	4.8	0.14
1/4	6.4	0.25
5/16	7.9	0.39
3/8	9.5	0.56







PERFILES TUBULARES - VENTANAS

Perfil	Imagen	Calibre	Espesor		Largo m	Peso	
			in	mm		kg / m	kg / pieza
101 Angulo Liso		20	0.036	0.9	6.00	0.9	5.60
		18	0.048	1.2	6.00	1.3	7.80
103 Te Sencilla		20	0.036	0.9	6.00	1.1	6.60
		18	0.048	1.2	6.00	1.5	9.00
106 Zeta		20	0.036	0.9	6.00	1.1	6.60
		18	0.048	1.2	6.00	1.5	9.00
116 Te Escalonada		20	0.036	0.9	6.00	1.5	9.00
		18	0.048	1.2	6.00	1.5	9.00
121 Chambrana		20	0.036	0.9	6.00	1.0	6.20
		18	0.048	1.2	6.00	1.4	8.40
122 Escalonado		20	0.036	0.9	6.00	1.1	6.60
		18	0.048	1.2	6.00	1.4	8.40
123 Angulo Ranurado		20	0.036	0.9	6.00	1.1	6.60
124 Riel Para Ventana		18	0.048	1.2	6.00	0.7	4.20
126 Chambrana Tapada		20	0.036	0.9	6.00	1.3	7.80
		18	0.048	1.2	6.00	1.7	10.40
127 Te Doble		20	0.036	0.9	6.00	1.5	9.00
		18	0.048	1.2	6.00	1.9	11.40
131 Angulo Mosquitero		20	0.036	0.9	6.00	0.7	4.00
145 Angulo Cuadrado		20	0.036	0.9	6.00	0.7	4.00

PERFILES TUBULARES - PUERTAS

Perfil	Imagen	Calibre	Espesor		Largo m	Peso	
			in	mm		kg / m	kg / pieza
P100		20	0.036	0.9	6.00	1.0	6.20
Caja 1"		18	0.048	1.2	6.00	1.4	8.40
P150		20	0.036	0.9	6.00	1.2	7.30
Caja 1 1/2"		18	0.048	1.2	6.00	1.6	9.70
P200		20	0.036	0.9	6.00	1.4	8.40
Caja 2"		18	0.048	1.2	6.00	1.9	11.40
P250		20	0.036	0.9	6.00	1.6	9.60
Caja 2 1/2"		18	0.048	1.2	6.00	2.1	12.60
P300		20	0.036	0.9	6.00	1.8	10.60
Caja 3"		18	0.048	1.2	6.00	2.3	14.00
P400		20	0.036	0.9	6.00	2.1	12.60
Caja 4"		18	0.048	1.2	6.00	2.8	16.80
K150		20	0.036	0.9	6.00	1.5	8.70
Manguete 1 1/2"		18	0.048	1.2	6.00	1.9	11.40
K200		20	0.036	0.9	6.00	1.7	10.20
Manguete 2"		18	0.048	1.2	6.00	2.3	13.80
K300		20	0.036	0.9	6.00	1.9	11.60
Manguete 3"		18	0.048	1.2	6.00	2.6	15.60
M221		20	0.036	0.9	6.00	1.5	9.00
Marco Puerta Bandera		18	0.048	1.2	6.00	2.0	12.00
M225		20	0.036	0.9	5.50	1.1	5.90
Marco Económico		18	0.048	1.2	5.50	1.4	7.70
M300		20	0.036	0.9	5.50	1.2	6.60
Marco Sencillo		18	0.048	1.2	5.50	1.6	8.80
M525		20	0.036	0.9	5.50	1.6	8.80
Marco Doble		18	0.048	1.2	5.50	2.1	11.60
170		20	0.036	0.9	6.00	1.6	9.60
Duela Ancha							
171		20	0.036	0.9	6.00	0.9	5.40
Duela Angosta							

PERFILES TUBULARES - VARIOS

Perfil	Imagen	Calibre	Espesor		Largo m	Peso	
			in	mm		kg / m	kg / pieza
160		20	0.036	0.9	6.00	1.1	6.60
Pasamanos		18	0.048	1.2	6.00	1.5	9.00
154		20	0.036	0.9	6.00	0.2	1.20
Portavidrios		18	0.048	1.2	6.00	0.3	1.50
155		20	0.036	0.9	6.00	0.3	1.50
Canaleta							
156		20	0.036	0.9	6.00	0.4	2.40
Canaleta 1 1/2"							
1400		18	0.048	1.2	6.00	1.3	7.8
Riel							
1500		16	0.060	1.5	6.00	2.5	15.00
Riel		14	0.075	1.9	6.00	3.0	18.00

PERFILES TUBULARES - CUADRADOS

Dimensiones Exteriores	Espesor		Calibre	Peso kg / m
	in	mm		
1/2 x 1/2	0.036	0.9	20	0.40
	0.048	1.2	18	0.50
3/4 x 3/4	0.036	0.9	20	0.53
	0.048	1.2	18	0.70
1 x 1	0.036	0.9	20	0.72
	0.048	1.2	18	0.95
1 1/4 x 1 1/4	0.036	0.9	20	0.92
	0.048	1.2	18	1.22
1 1/2 x 1 1/2	0.036	0.9	20	1.11
	0.048	1.2	18	1.47
2 x 2	0.048	1.2	18	1.96
	0.048	1.2	18	2.46

PERFIL

PERFILES TUBULARES - RECTANGULARES

Dimensiones Exteriores		Espesor		Calibre	Peso kg / m
in	mm	in	mm		
1/2 x 1	12.7 x 25.4	0.036	0.9	20	0.53
		0.048	1.2	18	0.69
3/4 x 1 1/4	19.1 x 31.8	0.036	0.9	20	0.72
		0.048	1.2	18	0.95
3/4 x 1 3/4	19.1 x 44.5	0.036	0.9	20	0.93
		0.048	1.2	18	1.23
3/4 x 2 1/4	19.1 x 57.2	0.036	0.9	20	1.10
		0.048	1.2	18	1.46
1 x 2	25.4 x 50.8	0.036	0.9	20	1.10

PERFILES TUBULARES - RECTANGULARES

Dimensiones Exteriores		Espesor		Calibre	Peso kg / m
in	mm	in	mm		
1 x 2	25.4 x 50.8	0.048	1.2	18	1.46
1 1/4 x 2 1/2	31.8 x 63.5	0.036	0.9	20	1.40
		0.048	1.2	18	1.86
1 1/2 x 2 1/2	38.1 x 63.5	0.036	0.9	20	1.47
		0.048	1.2	18	1.95
1 1/2 x 3	38.1 x 76.2	0.036	0.9	20	1.65
		0.048	1.2	18	2.18
1 1/2 x 4	38.1 x 101.6	0.036	0.9	20	2.03
		0.048	1.2	18	2.69

POLINES

Peralte		Patín		Calibre	Largo m	Peso	
in	mm	in	mm			kg / m	kg / pieza
3	76.2	1 1/2	38.1	14	6	2.61	15.66
4	101.6	2	50.8	14	4	3.40	13.60
4	101.6	2	50.8	14	5	3.40	17.00
4	101.6	2	50.8	14	6	3.40	20.40
5	127.0	2	50.8	14	5	3.80	19.00
5	127.0	2	50.8	14	6	3.80	22.80
6	152.4	2	50.8	12	6	5.86	35.16
6	152.4	2	50.8	14	6	4.19	25.14
8	203.2	2 3/4	69.8	10	8	9.86	78.88
8	203.2	2 3/4	69.8	12	8	7.96	63.68
8	203.2	2 3/4	69.8	14	8	5.70	45.60
10	254.0	2 3/4	69.8	10	10	11.20	112.00
10	254.0	2 3/4	69.8	12	10	9.06	90.60
10	254.0	2 3/4	69.8	14	10	6.49	64.90
12	304.8	3 1/2	88.9	10	12	13.62	163.44
12	304.8	3 1/2	88.9	12	12	10.99	131.88
12	304.8	3 1/2	88.9	14	12	7.87	94.44

LAMINA ROLADA EN FRIO

Calibre	Espesor		Peso					
			kg / hoja				kg / m ²	kg / ft ²
	in	mm	3' x 8'	3' x 10'	4' x 8'	4' x 10'		
14	0.075	1.9	34.01	42.52	45.35	56.69	15.25	1.42
16	0.060	1.5	27.21	34.01	36.28	45.35	12.20	1.13
18	0.048	1.2	21.77	27.21	29.03	36.28	10.98	1.02
20	0.036	0.9	16.33	20.41	21.77	27.21	7.32	0.68
22	0.030	0.8	13.60	17.01	18.14	22.68	6.10	0.57
24	0.024	0.6	10.89	13.60	14.52	18.12	4.88	0.45
26	0.018	0.5	8.17	10.21	10.88	13.60	3.66	0.34

LAMINA ROLADA EN CALIENTE

Calibre	Espesor		Peso							
			kg / hoja						kg / m ²	kg / ft ²
	in	mm	3' x 8'	3' x 10'	4' x 8'	4' x 10'	5' x 10'	5' x 20'		
8	0.164	4.2	74.84	93.55	99.79	124.73			33.56	3.12
9	0.150	3.8	68.03	85.04	90.71	113.39			30.51	2.83
10	0.135	3.4	61.23	76.54	81.64	102.05	127.53	255.05	27.46	2.55
11	0.120	3.1	54.43	68.03	72.57	90.71	113.36	226.71	24.41	2.27
12	0.105	2.7	47.62	59.53	63.50	79.37	99.19	198.37	21.36	1.98
13	0.090	2.3	40.82	51.02	54.43	68.03			18.30	1.70
14	0.075	1.9	34.01	42.52	45.35	56.69	70.85	141.70	15.25	1.42
16	0.060	1.5	27.21	34.01	36.28	45.35			12.20	1.13

LAMINA Y PLACA

PLACA DE ROLLO

Calibre	Espesor		Peso									
	in	mm	kg / hoja								kg / m ²	kg / ft ²
			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	0.188	4.8	84	105	112	140	176	351	421		37.35	3.47
1/4	0.250	6.4	112	140	150	187	234	468	562	749	49.79	4.63
5/16	0.313	7.9	140	176	187	234	293	585	702	943	62.24	5.78
3/8	0.375	9.5	168	211	225	281	351	702	842	1,123	74.69	6.94
1/2	0.500	12.7	225	281	300	374	468	936	1,123	1,498	99.59	9.25
5/8	0.625	15.9	281	351	374	468	585	1,170	1,404		124.49	11.57

LAMINA Y PLACA ANTIDERRAPANTE

Calibre	Espesor		Peso					
	in	mm	kg / hoja				kg / m ²	kg / ft ²
			3' x 10'	4' x 10'	5' x 10'	5' x 20'		
16	0.060	1.5	40.82	54.43			14.63	1.36
14	0.075	1.9	51.02	68.03			18.29	1.70
12	0.105	2.7	71.44	95.25			25.61	2.38
1/8	0.125	3.2	83.69	111.59	139.49	278.98	30.02	2.79
3/16	0.188	4.8	118.39	157.85	197.31	394.63	42.47	3.95
1/4	0.250	6.4	153.09	204.12	255.15	510.30	54.91	5.10
3/8	0.375	9.5		297.56			80.07	7.44

PLACA DE GRADO

Calibre	Espesor		Peso											
	in	mm	kg / hoja								kg / m ²	kg / ft ²		
			3' x 6'	3' x 8'	3' x 10'	4' x 8'	4' x 10'	5' x 10'	5' x 20'	6' x 20'			8' x 20'	8' x 40'
3/16	0.188	4.8		84	105	112	140	176	351	421	562	1,124	37.35	3.47
1/4	0.250	6.4		112	140	150	187	234	468	562	749	1,498	49.79	4.63
5/16	0.313	7.9		140	176	187	234	293	585	702	936		62.24	5.78
3/8	0.375	9.5		168	211	225	281	351	702	842	1,123	2,246	74.69	6.94
7/16	0.438	11.1			246					983			87.14	8.01
1/2	0.500	12.7		225	281	300	374	468	936	1,123	1,498	2,996	99.59	9.25
9/16	0.563	14.3			316					1,264			112.04	10.41
5/8	0.625	15.9	213	281	351	374	468	585	1,170	1,404	1,872	3,744	124.49	11.57
3/4	0.750	19.1	255	337	421	449	562	702	1,404	1,685	2,246	4,492	149.38	13.88
7/8	0.875	22.2			491					1,966			174.38	16.20
1	1.000	25.4	340	449	562	599	749	936	1,872	2,246	2,995	5,990	199.18	18.50
1 1/8	1.125	28.6			632					2,527			224.07	20.82
1 1/4	1.250	31.8		562	702	749	936	1,170	2,362	2,808	3,744		248.97	23.13
1 1/2	1.500	38.1		674	842	899	1,123	1,404	2,834	3,370	4,493		298.77	27.76
1 3/4	1.750	44.4			983					3,931			348.56	32.38
2	2.000	50.8		899	1,123	1,198	1,498	1,872	3,779	4,493	5,990		398.36	37.01
2 1/4	2.250	57.1			1,264		1,685			5,054			448.15	41.63
2 1/2	2.500	63.5			1,404		1,872			5,616			497.95	46.26
3	3.000	76.2			1,685		2,246			6,739			597.54	55.51
3 1/2	3.500	88.9							6,612	7,935			697.13	64.77
4	4.000	101.6							7,557	9,069			796.72	74.02

VIGAS IPR

Dimensiones		Peso		Peralte		Ancho del Patín		Espesor			
								Patín		Alma	
in	mm	kg / m	lb / ft	in	mm	in	mm	in	mm	in	mm
6 x 4	152.4 x 101.6	12.7	8.5	5.83	148.1	3.94	100.1	0.19	4.8	0.17	4.3
		13.4	9.0	5.90	149.9	3.94	100.1	0.22	5.6	0.17	4.3
		17.9	12.0	6.03	153.2	4.00	101.6	0.28	7.1	0.23	5.8
		23.8	16.0	6.28	159.5	4.03	102.4	0.41	10.4	0.26	6.6
6 x 6	152.4 x 152.4	22.5	15.1	5.99	152.1	5.99	152.1	0.26	6.6	0.23	5.8
		29.7	20.0	6.20	157.5	6.02	152.9	0.37	9.4	0.26	6.6
		37.1	24.9	6.38	162.1	6.08	154.4	0.46	11.7	0.32	8.1
8 x 4	203.2 x 101.6	14.9	10.0	7.89	200.4	3.94	100.1	0.21	5.3	0.17	4.3
		19.4	13.0	7.99	202.9	4.00	101.6	0.26	6.6	0.23	5.8
		22.5	15.1	8.11	206.0	4.02	102.1	0.32	8.1	0.25	6.4
8 x 5 1/4	203.2 x 133.4	26.9	18.1	8.14	206.8	5.25	133.3	0.33	8.4	0.23	5.8
		31.3	21.0	8.28	210.3	5.27	133.9	0.40	10.2	0.25	6.4
8 x 6 1/2	203.2 x 165.1	35.9	24.1	7.93	201.4	6.50	165.1	0.40	10.2	0.25	6.4
		41.7	28.0	8.06	204.7	6.54	166.1	0.47	11.9	0.29	7.4
8 x 8	203.2 x 203.2	46.1	31.0	8.00	203.2	8.00	203.2	0.44	11.2	0.29	7.4

VIGAS IPR

Dimensiones		Peso		Peralte		Ancho del Patín		Espesor			
								Patín		Alma	
in	mm	kg / m	lb / ft	in	mm	in	mm	in	mm	in	mm
10 x 4	254.0 x 101.6	17.9	12.0	9.87	250.7	3.96	100.6	0.21	5.3	0.19	4.8
		22.4	15.1	9.99	253.7	4.00	101.6	0.27	6.9	0.23	5.8
		25.5	17.1	10.11	256.8	4.01	101.9	0.33	8.4	0.24	6.1
		28.3	19.0	10.24	260.1	4.02	102.1	0.40	10.2	0.25	6.4
10 x 5 3/4	254.0 x 146.0	32.8	22.0	10.17	258.3	5.75	146.1	0.36	9.1	0.24	6.1
		38.7	26.0	10.33	262.4	5.77	146.6	0.44	11.2	0.26	6.6
		44.7	30.0	10.47	265.9	5.81	147.6	0.51	13.0	0.30	7.6
10 x 8	254.0 x 203.2	49.1	33.0	9.73	247.1	7.96	202.2	0.44	11.2	0.29	7.4
		58.0	39.0	9.92	252.0	7.96	202.2	0.53	13.5	0.32	8.1
10 x 10	254.0 x 254.0	72.9	49.0	9.98	253.5	10.00	254.0	0.56	14.2	0.34	8.6
		80.4	54.0	10.09	256.3	10.03	254.8	0.62	15.7	0.37	9.4
12 x 4	304.8 x 101.6	20.9	14.0	11.91	302.5	3.97	100.8	0.23	5.8	0.20	5.1
		23.8	16.0	11.99	304.5	3.99	101.3	0.27	6.9	0.22	5.6
		28.3	19.0	12.16	308.9	4.01	101.9	0.35	8.9	0.24	6.1
		32.8	22.0	12.31	312.7	4.03	102.4	0.43	10.9	0.26	6.6
12 x 6 1/2	304.8 x 165.1	38.7	26.0	12.22	310.4	6.49	164.8	0.38	9.7	0.23	5.8
		44.7	30.0	12.34	313.4	6.52	165.6	0.44	11.2	0.26	6.6
		52.2	35.1	12.50	317.5	6.56	166.6	0.52	13.2	0.30	7.6
12 x 8	304.8 x 203.2	59.6	40.1	11.94	303.3	8.01	203.5	0.52	13.2	0.30	7.6
		67.1	45.1	12.06	306.3	8.05	204.5	0.58	14.7	0.34	8.6
		74.5	50.1	12.19	309.6	8.08	205.2	0.64	16.3	0.37	9.4
12 x 10	304.8 x 254.0	78.9	53.0	12.06	306.3	10.00	254.0	0.58	14.7	0.35	8.9
		86.3	58.0	12.19	309.6	10.01	254.3	0.64	16.3	0.36	9.1

VIGAS IPR

Dimensiones		Peso		Peralte		Ancho del Patín		Espesor			
								Patín		Alma	
in	mm	kg / m	lb / ft	in	mm	in	mm	in	mm	in	mm
12 x 12	304.8 x 304.8	96.7	65.0	12.12	307.8	12.00	304.8	0.61	15.5	0.39	9.9
14 x 5	355.6 x 127.0	32.7	22.0	13.74	349.0	5.00	127.0	0.34	8.6	0.23	5.8
		38.7	26.0	13.91	353.3	5.03	127.8	0.42	10.7	0.26	6.6
14 x 6 3/4	355.6 x 171.4	44.7	30.0	13.84	351.5	6.73	170.9	0.39	9.9	0.27	6.9
		50.7	34.1	13.98	355.1	6.75	171.5	0.46	11.7	0.29	7.4
14 x 8	355.6 x 203.2	56.6	38.0	14.10	358.1	6.77	172.0	0.52	13.2	0.31	7.9
		64.1	43.1	13.66	347.0	8.00	203.2	0.53	13.5	0.31	7.9
14 x 8	355.6 x 203.2	71.5	48.1	13.79	350.3	8.03	204.0	0.60	15.2	0.34	8.6
		78.9	53.0	13.92	353.6	8.06	204.7	0.66	16.8	0.37	9.4
14 x 10	355.6 x 254.0	91.0	61.1	13.89	352.8	10.00	254.0	0.65	16.5	0.38	9.7
		101.2	68.0	14.04	356.6	10.04	255.0	0.72	18.3	0.42	10.7
14 x 10	355.6 x 254.0	110.1	74.0	14.17	359.9	10.07	255.8	0.79	20.1	0.45	11.4
		122.0	82.0	14.31	363.5	10.13	257.3	0.86	21.8	0.51	13.0
14 x 14 1/2	355.6 x 368.3	133.9	90.0	14.02	356.1	14.52	368.8	0.71	18.0	0.44	11.2
		147.0	98.8	14.16	359.7	14.57	370.1	0.78	19.8	0.49	12.4
		162.0	108.9	14.32	363.7	14.61	371.1	0.86	21.8	0.53	13.5
		178.5	119.9	14.48	367.8	14.67	372.6	0.94	23.9	0.59	15.0
14 x 16	355.6 x 406.4	196.4	132.0	14.66	372.4	14.73	374.1	1.03	26.2	0.65	16.5
		215.8	145.0	14.78	375.4	15.50	393.7	1.09	27.7	0.68	17.3
16 x 5 1/2	406.4 x 139.7	38.7	26.0	15.69	398.5	5.50	139.7	0.35	8.9	0.25	6.4
		46.1	31.0	15.88	403.4	5.53	140.5	0.44	11.2	0.28	7.1
16 x 7	406.4 x 177.8	53.6	36.0	15.86	402.8	6.99	177.5	0.43	10.9	0.30	7.6
		59.6	40.1	16.01	406.7	7.00	177.8	0.51	13.0	0.31	7.9
		67.1	45.1	16.13	409.7	7.04	178.8	0.57	14.5	0.35	8.9
		74.5	50.1	16.26	413.0	7.07	179.6	0.63	16.0	0.38	9.7
16 x 10 1/4	406.4 x 260.3	99.7	67.0	16.33	414.8	10.24	260.1	0.67	17.0	0.40	10.2
18 x 6	457.2 x 152.4	52.1	35.0	17.70	449.6	6.00	152.4	0.43	10.9	0.30	7.6
		59.0	39.6	18.00	457.2	6.00	152.4	0.53	13.5	0.32	8.1
18 x 6	457.2 x 152.4	68.4	46.0	18.06	458.7	6.06	153.9	0.61	15.5	0.36	9.1

VIGAS IPR

Dimensiones		Peso		Peralte		Ancho del Patín		Espesor			
								Patín		Alma	
in	mm	kg / m	lb / ft	in	mm	in	mm	in	mm	in	mm
18 x 7 1/2	457.2 x 190.5	74.4	50.0	17.99	456.9	7.50	190.5	0.57	14.5	0.36	9.1
		81.8	55.0	18.11	460.0	7.53	191.3	0.63	16.0	0.39	9.9
		89.1	59.9	18.24	463.3	7.56	192.0	0.70	17.8	0.42	10.7
		96.9	65.1	18.35	466.1	7.59	192.8	0.75	19.1	0.45	11.4
18 x 11	457.2 x 279.4	105.6	71.0	18.47	469.1	7.64	194.1	0.81	20.6	0.50	12.7
		113.2	76.1	18.21	462.5	11.04	280.4	0.68	17.3	0.43	10.9
		128.1	86.1	18.39	467.1	11.09	281.7	0.77	19.6	0.48	12.2
		144.3	97.0	18.59	472.2	11.15	283.2	0.87	22.1	0.54	13.7
21 x 6 1/2	533.4 x 165.1	157.7	106.0	18.73	475.7	11.20	284.5	0.94	23.9	0.59	15.0
		177.3	119.1	18.97	481.8	11.27	286.3	1.06	26.9	0.66	16.8
21 x 8 1/4	533.4 x 209.5	65.5	44.0	20.66	524.8	6.50	165.1	0.45	11.4	0.35	8.9
		74.4	50.0	20.83	529.1	6.53	165.9	0.54	13.7	0.38	9.7
21 x 8 1/4	533.4 x 209.5	92.3	62.0	20.99	533.1	8.24	209.3	0.62	15.7	0.40	10.2
		101.2	68.0	21.13	536.7	8.27	210.1	0.69	17.5	0.43	10.9
24 x 7	609.6 x 177.8	81.8	55.0	23.57	598.7	7.01	178.1	0.51	13.0	0.40	10.2
		92.0	61.8	23.74	603.0	7.04	178.8	0.59	15.0	0.43	10.9
24 x 9	609.6 x 228.6	101.2	68.0	23.73	602.7	8.97	227.8	0.59	15.0	0.42	10.7
		113.0	75.9	23.92	607.6	8.99	228.3	0.68	17.3	0.44	11.2
		125.0	84.0	24.10	612.1	9.02	229.1	0.77	19.6	0.47	11.9
		139.9	94.0	24.31	617.5	9.07	230.4	0.88	22.4	0.52	13.2
24 x 12 3/4	609.6 x 323.9	155.0	104.2	24.06	611.1	12.57	319.3	0.75	19.1	0.50	12.7
		174.0	116.9	24.26	616.2	12.80	325.1	0.85	21.6	0.55	14.0
		195.0	131.0	24.48	621.8	12.86	326.6	0.96	24.4	0.61	15.5
		217.0	145.8	24.74	628.4	12.90	327.7	1.09	27.7	0.65	16.5
27 x 10	685.8 x 254.0	125.0	84.0	26.71	678.4	9.96	253.0	0.64	16.3	0.46	11.7
		139.9	94.0	26.92	683.8	9.99	253.7	0.75	19.1	0.49	12.4
		152.0	102.1	27.09	688.1	10.02	254.5	0.83	21.1	0.52	13.2
27 x 10	685.8 x 254.0	170.0	114.2	27.29	693.2	10.07	255.8	0.93	23.6	0.57	14.5

VIGAS

VIGAS IPR

Dimensiones		Peso		Peralte		Ancho del Patín		Espesor			
in	mm	kg / m	lb / ft	in	mm	in	mm	Patín		Alma	
								in	mm	in	mm
27 x 14	685.8 x 355.6	217.3	146.0	27.38	695.5	13.97	354.8	0.98	24.9	0.61	15.5
		239.6	161.0	27.59	700.8	14.02	356.1	1.08	27.4	0.66	16.8
30 x 10 1/2	762.0 x 266.7	133.9	90.0	29.53	750.1	10.40	264.2	0.61	15.5	0.47	11.9
		147.3	99.0	29.65	753.1	10.45	265.4	0.67	17.0	0.52	13.2
33 x 11 1/2	838.2 x 292.1	176.0	118.3	32.86	834.6	11.48	291.6	0.74	18.8	0.55	14.0
		193.0	129.7	33.09	840.5	11.51	292.4	0.86	21.8	0.58	14.7
36 x 12	914.4 x 304.8	200.9	135.0	35.55	903.0	11.95	303.5	0.79	20.1	0.60	15.2
		223.0	149.8	38.85	986.8	11.98	304.3	0.94	23.9	0.63	16.0
40 x 12	1,016.0 x 304.8	221.7	149.0	38.20	970.3	11.81	300.0	1.83	46.5	0.63	16.0

VIGAS IPS

Peralte		Peso		Ancho del Patín		Espesor del Alma	
in	mm	kg / m	lb / ft	in	mm	in	mm
3	76.2	8.48	5.70	2.33	59.2	0.17	4.3
4	101.6	11.46	7.70	2.66	67.6	0.19	4.8
5	127.0	14.88	10.00	3.00	76.2	0.21	5.3
6	152.4	18.60	12.50	3.33	84.6	0.23	5.8
8	203.2	26.20	17.61	3.54	89.9	0.30	7.6

TUBO CEDULA 30

Diámetro Nominal		Diámetro Exterior		Espesor		Diámetro Interior		Peso kg / m
in	mm	in	mm	in	mm	in	mm	
1/2	12.7	0.840	21.3	0.075	1.9	0.690	17.5	0.96
3/4	19.1	1.050	26.7	0.075	1.9	0.900	22.9	1.23
1	25.4	1.315	33.4	0.075	1.9	1.165	29.6	1.56
1 1/4	31.8	1.660	42.2	0.090	2.3	1.480	37.6	2.35
1 1/2	38.1	1.900	48.3	0.090	2.3	1.720	43.7	2.71
2	50.8	2.375	60.3	0.105	2.7	2.165	55.0	3.96
2 1/2	63.5	2.875	73.0	0.105	2.7	2.665	67.7	4.84
3	76.2	3.500	88.9	0.120	3.1	3.260	82.8	6.75
4	101.6	4.500	114.3	0.120	3.1	4.260	108.2	8.74
5	127.0	5.000	127.0	0.125	3.2	4.750	120.7	9.69
6	152.4	6.625	168.3	0.188	4.8	6.249	158.7	19.23

TUBO CEDULA 40

Diámetro Nominal		Diámetro Exterior		Espesor		Diámetro Interior		Peso kg / m
in	mm	in	mm	in	mm	in	mm	
1/2	12.7	0.840	21.3	0.109	2.8	0.622	15.8	1.27
3/4	19.1	1.050	26.7	0.113	2.9	0.824	20.9	1.68
1	25.4	1.315	33.4	0.133	3.4	1.049	26.6	2.50
1 1/4	31.8	1.660	42.2	0.140	3.6	1.380	35.1	3.38
1 1/2	38.1	1.900	48.3	0.145	3.7	1.610	40.9	4.04
2	50.8	2.375	60.3	0.154	3.9	2.067	52.5	5.44
2 1/2	63.5	2.875	73.0	0.203	5.2	2.469	62.7	8.62
3	76.2	3.500	88.9	0.216	5.5	3.068	77.9	11.27
4	101.6	4.500	114.3	0.237	6.0	4.026	102.3	16.06
6	152.4	6.625	168.3	0.280	7.1	6.065	154.1	28.24

TUBERÍA DIÁMETROS MAYORES

Espesor		in	Diámetro Interior								
in	mm		mm	6	8	10	12	14	16	18	20
0.188	4.8	Peso kg / m	152.4	203.2	254.0	304.8	355.6	406.4	457.2	508.0	609.6
0.203	5.2		19.35	25.37	31.76	37.77	41.52	47.54			
0.219	5.6		20.91	27.43	34.35	40.87	44.93	51.45			
0.250	6.4		22.47	29.48	36.94	43.96	48.33	55.23			
0.277	7.0		25.55	33.57	42.09	50.11	55.11	63.13	71.12	78.55	95.26

TUBERIA

TUBERIA DIAMETROS MAYORES

Espesor		Diámetro Interior									
in	mm	in	6	8	10	12	14	16	18	20	24
		mm	152.4	203.2	254.0	304.8	355.6	406.4	457.2	508.0	609.6
0.279	7.1				46.57						
0.280	7.1		28.22								
0.281	7.1					55.47	61.02	69.91		87.70	
0.307	7.8				51.03						
0.312	7.9	Peso	31.25	41.14		61.56	67.74	77.63			
0.322	8.2	kg / m		42.65							
0.330	8.4					65.35					
0.344	8.7		34.24	45.14	56.72	67.62	74.42	85.32			
0.365	9.3				60.50						
0.375	9.5		37.20	49.10		73.65	81.08	92.98	104.84	117.15	140.68
0.406	10.3					79.65	87.71	100.61			
0.432	11.0		42.67								
0.438	11.1			56.94	71.72	85.62	94.30	108.20			
0.469	11.9						100.86	115.77			
0.500	12.7		64.64	81.55	97.46	107.39	123.30	139.15	155.12	187.06	

COLD ROLLED 1018 Y 1045, FREE CUTTING 12L14
REDONDOS

Diámetro		Peso	
in	mm	kg / m	
1/2	0.500	12.7	0.98
9/16	0.563	14.3	1.25
5/8	0.625	15.9	1.54
11/16	0.688	17.5	1.86
3/4	0.750	19.1	2.21
13/16	0.813	20.6	2.60
7/8	0.875	22.2	3.01
15/16	0.938	23.8	3.46
1	1.000	25.4	3.94
1 1/16	1.063	27.0	4.44
1 1/8	1.125	28.6	4.98
1 3/16	1.188	30.2	5.55
1 1/4	1.250	31.8	6.15
1 5/16	1.313	33.3	6.78
1 3/8	1.375	34.9	7.44
1 7/16	1.438	36.5	8.14
1 1/2	1.500	38.1	8.86
1 9/16	1.563	39.7	9.61
1 5/8	1.625	41.3	10.40
1 11/16	1.688	42.9	11.21
1 3/4	1.750	44.4	12.06
1 13/16	1.813	46.0	12.93

Diámetro		Peso	
in	mm	kg / m	
1 7/8	1.875	47.6	13.84
1 15/16	1.938	49.2	14.78
2	2.000	50.8	15.75
2 1/16	2.063	52.4	16.75
2 1/8	2.125	54.0	17.78
2 3/16	2.188	55.6	18.84
2 1/4	2.250	57.1	19.93
2 5/16	2.313	58.7	21.05
2 3/8	2.375	60.3	22.21
2 7/16	2.438	61.9	23.39
2 1/2	2.500	63.5	24.61
2 9/16	2.563	65.1	25.85
2 5/8	2.625	66.7	27.13
2 3/4	2.750	69.8	29.77
2 7/8	2.875	73.0	32.54
2 15/16	2.938	74.6	33.97
3	3.000	76.2	35.43
3 1/4	3.250	82.5	41.58
3 1/2	3.500	88.9	48.23

TUBERIA INDUSTRIAL

Diámetro Exterior		Calibre	Diámetro Exterior															
in	mm		24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	
1/2	0.500	12.7	0.19	0.21	0.24	0.26	0.28	0.32	0.36									
5/8	0.625	15.9	0.24	0.27	0.30	0.33	0.36	0.41	0.46	0.52	0.57							
3/4	0.750	19.1	0.29	0.33	0.36	0.40	0.43	0.50	0.57	0.63	0.70	0.77	0.85					
7/8	0.875	22.2	0.34	0.38	0.43	0.47	0.51	0.59	0.67	0.74	0.82	0.92	1.01					
1	1.000	25.4	0.39	0.44	0.49	0.54	0.58	0.67	0.77	0.86	0.95	1.06	1.16	1.38	1.58	1.77	1.96	
1 1/4	1.250	31.8			0.61	0.67	0.73	0.85	0.97	1.08	1.20	1.34	1.48	1.75	2.02	2.28	2.53	
1 1/2	1.500	38.1	Peso		0.73	0.81	0.88	1.02	1.16	1.30	1.44	1.61	1.78	2.11	2.44	2.76	3.07	
1 3/4	1.750	44.4	kg / m		0.86	0.94	1.03	1.19	1.36	1.52	1.69	1.89	2.09	2.49	2.87	3.25	3.63	
2	2.000	50.8			0.98	1.08	1.18	1.37	1.56	1.75	1.94	2.17	2.40	2.86	3.31	3.75	4.19	
2 1/4	2.250	57.1					1.33	1.54	1.76	1.97	2.19	2.45	2.71	3.23	3.75	4.25	4.75	
2 1/2	2.500	63.5							1.96	2.20	2.44	2.73	3.02	3.61	4.18	4.75	5.31	
3	3.000	76.2							2.36	2.65	2.93	3.29	3.65	4.36	5.05	5.75	6.43	



Forja antigua C-1
16.0 x 12.0 cm
Cuadrado de ½"



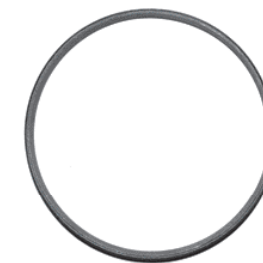
Forja Antigua C-2
21.0 x 12.0 cm
Cuadrado de ½"



Forja Antigua C-7
36.0 x 12.0 cm
Cuadrado de ½"
Torcido y lisa



Forja antigua en círculo redondo
½" a 12cm



Aro en Solero
⅛" x ½"
12 y 16 cm



Forja antigua en "U"
17.5 x 12.0 cm
17.0 x 16.0 cm
18.5 x 12.0 cm
18.5 x 16.0 cm
Cuadrado de ½"



Forja Antigua C-8
33.0 x 12.0 cm
Torcida y lisa
Cuadrado de ½"



Forja antigua C-10
61.5 x 12.0 cm
Cuadrado de ½"



Forja antigua C-11
61.5 x 12.0 cm
Cuadrado de ½"



Cuello Pata Cuadrado
Cuello de ½"
Cuello de ⅝"
Cuello de ¾"
Medio Nudo Vertical de ½"
Medio cuello Horizontal de ½"



Barrilito
½" ⅝"



Cuello Napolitano
Redondo de ½"
Redondo de ⅝"
Cuadrado de ½"
Cuadrado de ⅝"



Forja Antigua C-12
49.5 x 14.7 cm
Cuadrado de ½"



Forja antigua C-14
32.0 x 12.0 cm
Cuadrado de ½"



Celosia
16.0 x 8.0 cm
23.5 x 8.0 cm



Forja en canasta Griega
Forja en canasta Griega Chica
Forja en canasta Griega Antigua
Forja en canasta Griega Junior



Cuello Francés
Redondo de ½"
Redondo de ⅝"
Cuadrado de ½"
Cuadrado de ⅝"



Remate Francés
Redondo de ½"
Redondo de ⅝"
Cuadrado de ½"
Cuadrado de ⅝"



Forja en Ala de Ángel
Izq y Derecha
11.5 x 4.3 cm
Laminado



Forja en Cabeza de León
12.6 x 10.1 cm
Laminado



Forja en Eclipse chico
15.9 x 13.2 cm
Laminado



Forja en hoja de Bugambilia
9.6 x 4.7 cm
Laminado



Forja en hoja de Eucalipto
7.2 x 3.0 cm
Laminado



Forja en hoja de Limón
10.2 x 3.8 cm
Laminado



Forja en Estrella
12.7 cm
Laminado



Forja en Luna
16.0 x 10.6 cm
Laminado



Forja en Sol
12.7 cm
Laminado



Forja en hoja de Olivo
10.0 x 3.6 cm
Laminado



Forja en hoja de Rosa
5.5 x 1.7 cm
Laminado



Forja en hoja Maple
7.0x 7.8 cm
Laminado



Forja en Racimo de Uvas
14.0 x 6.8 cm
Laminado



Forja en Mariposa
10.5 x 9.5 cm
Laminado



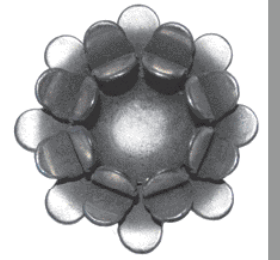
Forja en hoja Amapola
11.6 x 6.0 cm
Laminado



Forja en Retoño
6.5 cm
Izq. y der.
Laminado



Forja en Rosa
6.5 cm
Laminado



Forja en Flor de Cactus
4.0 cm
Laminado



Forja en Plato
1" 1½" 2" 3"
Laminado



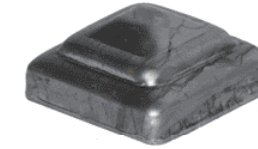
Chapeton Chico
2 ⅝"
Cuadrado de ½"



Chapeton Estrella
3 ½"
Cuadrado de ½"



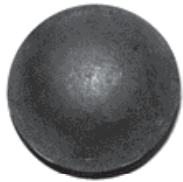
Tapa con Bola
1" 1¼" 1½"
2" 2½" 3" 4"



Tapa para Cuadrado
¾" 1¼" 2"
1" 1½"



Bisagra Tubular
⅜" ½" ⅝" ¾" 1"



Forja en Esfera de 1 y 2 perforaciones
1" 1½" 2"



Flecha Loto
Cuadrado de ½"
Fierro Vaciado



Flecha Ninja
Cuadrado de ½"
Fierro Vaciado



Bisagra Ancla
¾" 1" 1¼"
1½" 2"



Bisagra de Proyección



Carrucha Guía
3" 4"



Flecha Samurai
Cuadrado de ½"
Fierro Vaciado



Flecha Barroco
Cuadrado de ½"
Fierro Vaciado



Flecha en Solera
4" x 2 ¾"
4" x 1"



Carrucha
#8050
#9000
#9050



Trole Polimet
Capacidad de 250 kg
500 kg
1 tonelada



Rueda Maquinada con Caja
2" x ¾" cap. 72 kg
2 ½" x ¾" cap. 80 kg
3" x ¾" cap. 125 kg
3 ½" x ¾" cap. 150 kg



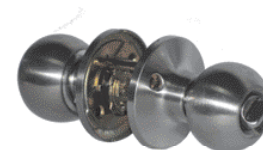
Broche Sencillo
Lamina



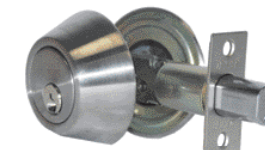
Manija galvanizada t. azul
izq y der.



Broche Perico Zamac Galva-
nizado



Chapas Fanal y Dexter
Para baño y entrada con llave



Cerradura Doble



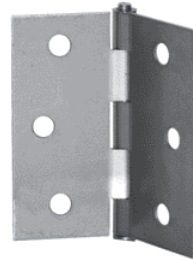
Chapa barra Fanal y Dexter
izq y der.



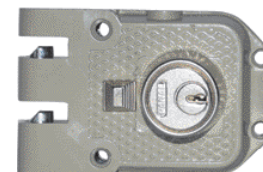
Broche
Lamina con doblez



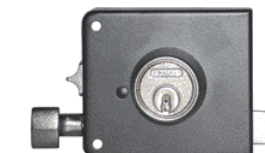
Oreja de Ratón



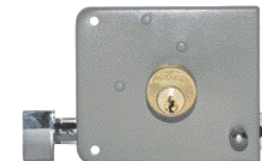
Bisagra de Perno Remachado
1" 1 1/2"
2" 2 1/2"
3" 3 1/2"



Chapa con mordaza Fanal
ambidiestro



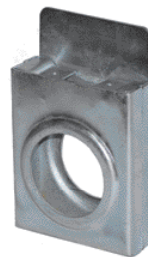
Chapa parche Fanal
175 izq y der.



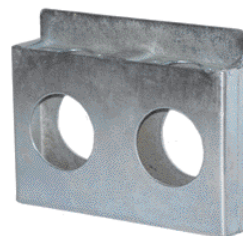
Chapa parche Dexter
Mod. 676
izq y der.



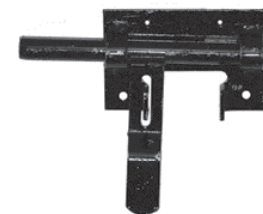
Tejuelo
1" 1 1/4" 1 1/2"
2" 2 1/2" 3"



Porta Chapa embutido sencillo
1" calibre 14
1 1/4" calibre 14



Porta Chapa embutido doble
1" calibre 14
1 1/4" calibre 14



Pasador ambidiestro rustico
#4 #6 #8



Pasador porta candado galva-
nizado
#3 #4 #6 #8



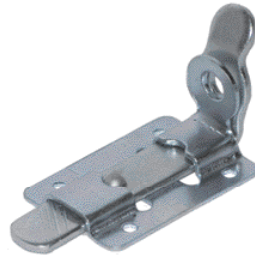
Pasador picaporte troquelado
12" 16"



Picaporte rustico
12" 16"



Jaladera para puertas



Pasador porta candado
#2



Disco Laminado
4 1/2" x 7/8"
Grano 40



Careta de fibra de vidrio y
plástico



Vidrio para careta obscuro y
claro



Disco para desbaste
4" x 3/16" x 5/8"



Disco para desbaste
4 1/2" x 1/4" x 7/8"



Disco Desbaste
7" x 1/4" x 7/8"



Lentes claros y oscuros



Protector azul



Guantes cortos de carnaza



Disco para corte
9" x 1/8" x 7/8"



Disco para corte
4 1/2" x 0.040" x 7/8"



Disco para corte Makita
14" x 1/8" x 1"



Soporte para careta



Arco para seguetta



Brocha

Herrajes



Soldadura Amarilla



Soldadura Gris



Soldadura Verde

Placa base soldable
2" 4" 6" 8"Clip
3" 4" 6" 8" 10"

Rodillo de Hule Lateral

Pinzas para tierra
250 amp
300 amp
500 ampPortaelectrodo
250 amp
300 amp
500 amp

Segueta para fierro y lámina

Complemento para mosquitero
por metroEsmalte Summa Berel
500 mL 1L 4L 19LFondo Rojo y Gris Noxid Berel
500 mL - Rojo
500 mL 1L 4L 19L - Gris

Clavo para concreto



Clavo para madera



Resorte



Esmalte La Sultana



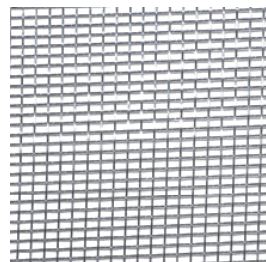
Plaste Gris Flex

Resanador Galion
1L 4L

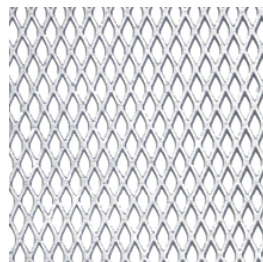
Herrajes



Adelgazador
1L 4L 19L



Tela para mosquitero
Galvanizada



Tela para mosquitero
Negra



Forja en cadillo Cactus
1 metro



Forja en cadillo Espinal
1 metro



Forja en cadillo Lechuguilla
1 metro



Forja en cadillo Acacia
1 metro

Notas

Lined area for notes with horizontal lines.



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