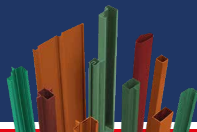




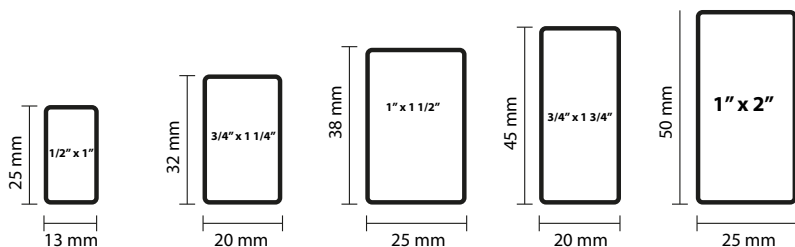
CATÁLOGO DE PRODUCTOS

TODO EN ACERO

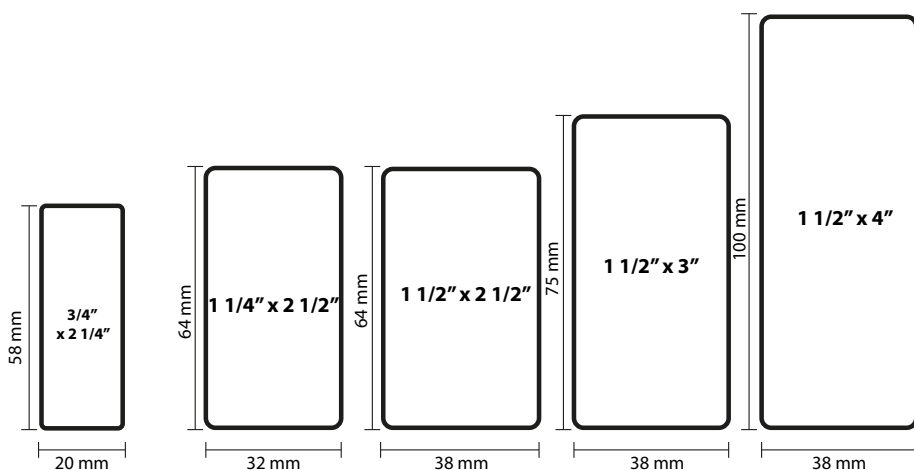
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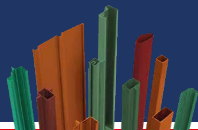
PERFIL TUBULAR RECTANGULAR



PERFIL R100 215*		PERFIL R125 228*		PERFIL R150 229*		PERFIL R175 230*		PERFIL R200 216*	
Calibre	Peso 6 Mts	Calibre	Peso 6 Mts	Calibre	Peso 6 Mts	Calibre	Peso 6 Mts	Calibre	Peso 6 Mts
20	3.200	20	4.300	20	5.400	20	5.400	20	5.650
18	4.200	18	5.700	18	7.200	18	7.200	18	7.500



PERFIL R225 209*		PERFIL R249 241*		PERFIL R250 368*		PERFIL R300 322*		PERFIL R400 422*	
Calibre	Peso 6 Mts	Calibre	Peso 6 Mts	Calibre	Peso 6 Mts	Calibre	Peso 6 Mts	Calibre	Peso 6 Mts
20	6.600	20	8.000	20	8.500	20	9.600	20	11.850
18	8.750	18	10.600	18	11.260	18	12.800	18	15.750



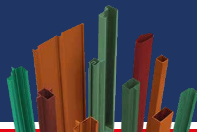
PERFIL TUBULAR CUADRADO

13 mm	19 mm	25 mm	32 mm	38 mm	50 mm
PERFIL C050 212*	PERFIL C075 210*	PERFIL C100 121*	PERFIL C125 208*	PERFIL C150 207*	PERFIL C200 307*
Calibre Peso 6 Mts	Calibre Peso 6 Mts	Calibre Peso 6 Mts	Calibre Peso 6 Mts	Calibre Peso 6 Mts	Calibre Peso 6 Mts
20 2.200	20 3.200	20 4.300	20 5.400	20 6.600	18 11.700
18 2.900	18 7.500	18 5.650	18 7.200	18 8.750	

PERFIL TUBULAR VENTANA / PUERTA

25 mm	51 mm	51 mm
PERFIL 101 201*	PERFIL 103 219*	PERFIL 106 233*
Calibre Peso 6 Mts	Calibre Peso 6 Mts	Calibre Peso 6 Mts
20 5.650	20 6.600	20 6.600
18 7.500	18 8.750	18 8.750

25 mm	30 mm	62 mm
PERFIL 123 205*	PERFIL 124 211*	PERFIL 160 225*
Calibre Peso 6 Mts	Calibre Peso 6 Mts	Calibre Peso 6 Mts
20 6.500	18 4.000	20 6.600
18 8.550		18 8.750

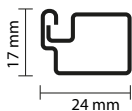


PERFIL TUBULAR



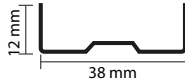
PERFIL 154 114*

Calibre	Peso 6 Mts
20	1.100
18	1.500



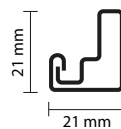
PERFIL 145

Calibre	Peso 6 Mts
20	3.700



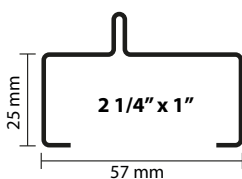
PERFIL 156 118*

Calibre	Peso 6 Mts
20	2.600



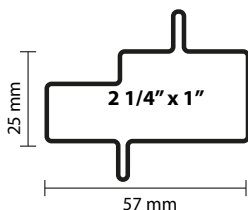
PERFIL 131 101*

Calibre	Peso 6 Mts
20	3.700



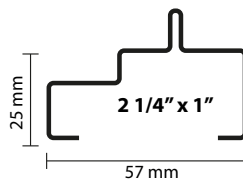
PERFIL 121 204*

Calibre	Peso 6 Mts
20	5.800
18	7.700



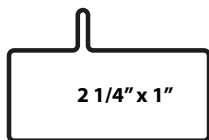
PERFIL 116 206*

Calibre	Peso 6 Mts
20	9.000



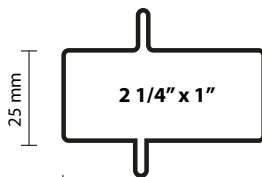
PERFIL 122 233*

Calibre	Peso 6 Mts
20	6.600
18	8.400



PERFIL 126 243*

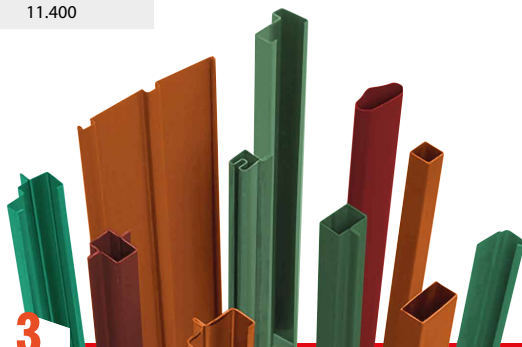
Calibre	Peso 6 Mts
20	7.800
18	10.400

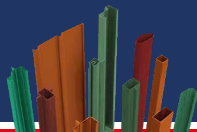


PERFIL 127 242*

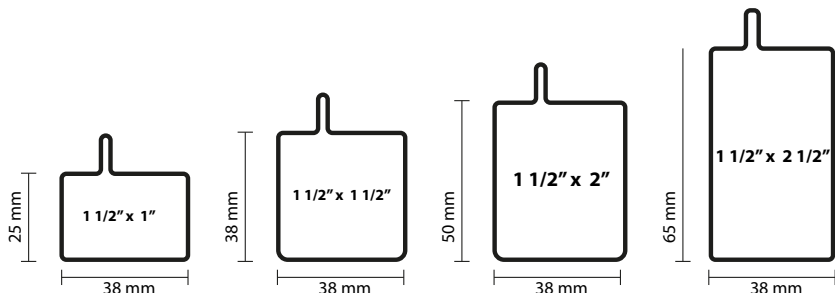
Calibre	Peso 6 Mts
20	9.000
18	11.400

* R.PYTSA





PERFIL TUBULAR



PERFIL P100 236*

Calibre	Peso 6 Mts
20	6.100
18	8.100

PERFIL P150 234*

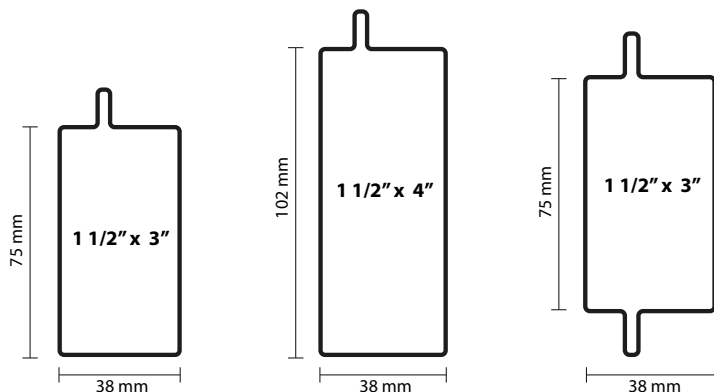
Calibre	Peso 6 Mts
20	7.500
18	9.900

PERFIL P200 261*

Calibre	Peso 6 Mts
20	8.300
18	10.950

PERFIL P250 268*

Calibre	Peso 6 Mts
20	9.300
18	12.350



PERFIL P300 310*

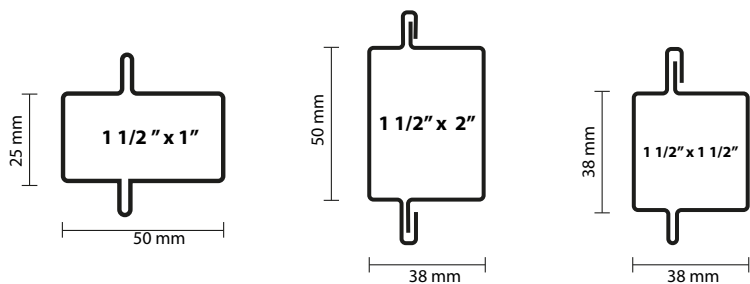
Calibre	Peso 6 Mts
20	10.500
18	13.950

PERFIL P400 410*

Calibre	Peso 6 Mts
20	12.700
18	16.900

PERFIL K300 233*

Calibre	Peso 6 Mts
20	6.600
18	8.750



PERFIL K100 237*

Calibre	Peso 6 Mts
20	7.000
18	9.000

PERFIL K200

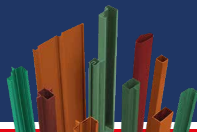
Calibre	Peso 6 Mts
20	5.200
18	7.000

PERFIL K150

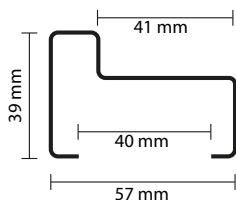
Calibre	Peso 6 Mts
20	8.700
18	11.400

PESOS TEÓRICOS CON UNA VARIACIÓN DE $\pm 5\%$
PESO CALCULADO EN PIEZAS DE 6.00 MTS.

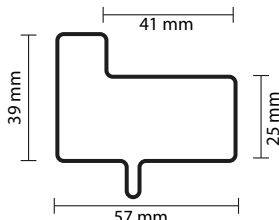
* R.PYTSA



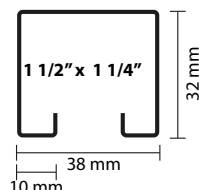
PERFIL TUBULAR



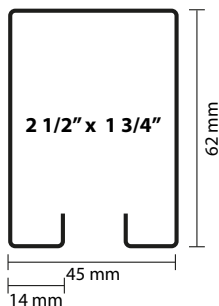
PERFIL M225 112*	
Calibre	Peso 5.50 Mts
20	5.900
18	7.700



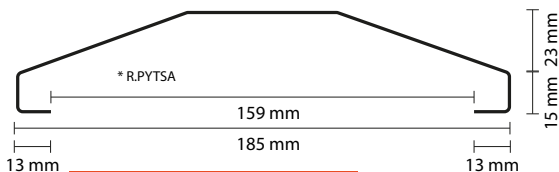
PERFIL M221	
Calibre	Peso 6 Mts
20	9.000
18	12.000



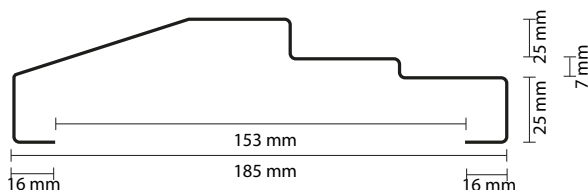
PERFIL 1400 127*	
Calibre	Peso 6 Mts
18	7.400



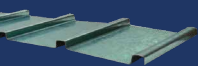
PERFIL 1500 227*	
Calibre	Peso 6 Mts
16	14.500
14	17.300



PERFIL M724	
Calibre	Peso 6 Mts
20	11.000
18	14.600



PERFIL M725	
Calibre	Peso 5.50 Mts
20	11.000
18	14.900



TABLERO PARA PUERTA

TABLERO 148 DE CAJA GRANDE



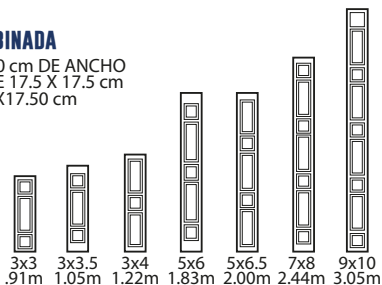
Ancho	Largo	Calibre	Espesor	Ancho (m)	Largo (m)	kg/m
3'	6'	20	0.0299	0.76	1.83	5.45
3'	6.5'	20	0.0299	0.76	1.98	5.45
3'	8'	20	0.0299	0.76	2.44	5.45
4'	6'	20	0.0299	1.02	1.83	7.25
4'	6.5'	20	0.0299	1.02	1.98	7.25
4'	7'	20	0.0299	1.02	2.13	7.25
4'	8'	20	0.0299	1.02	2.44	7.25
4'	10'	20	0.0299	1.02	3.05	7.25

DUELA



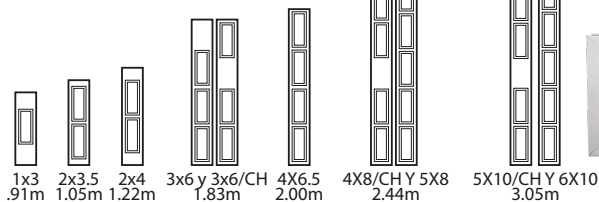
COMBINADA

TIRAS DE 25.00 cm DE ANCHO
RECUADRO DE 17.5 X 17.5 cm
Y DE 45X17.50 cm



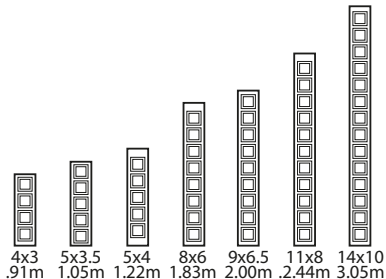
RECTANGULAR

TIRAS DE 25.00 cm DE ANCHO
RECUADRO DE 45X17.50 cm

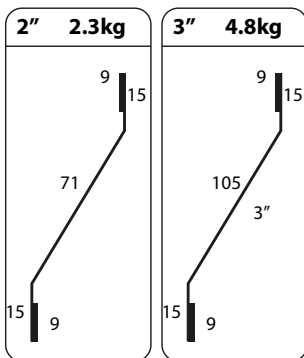


CUADRADA

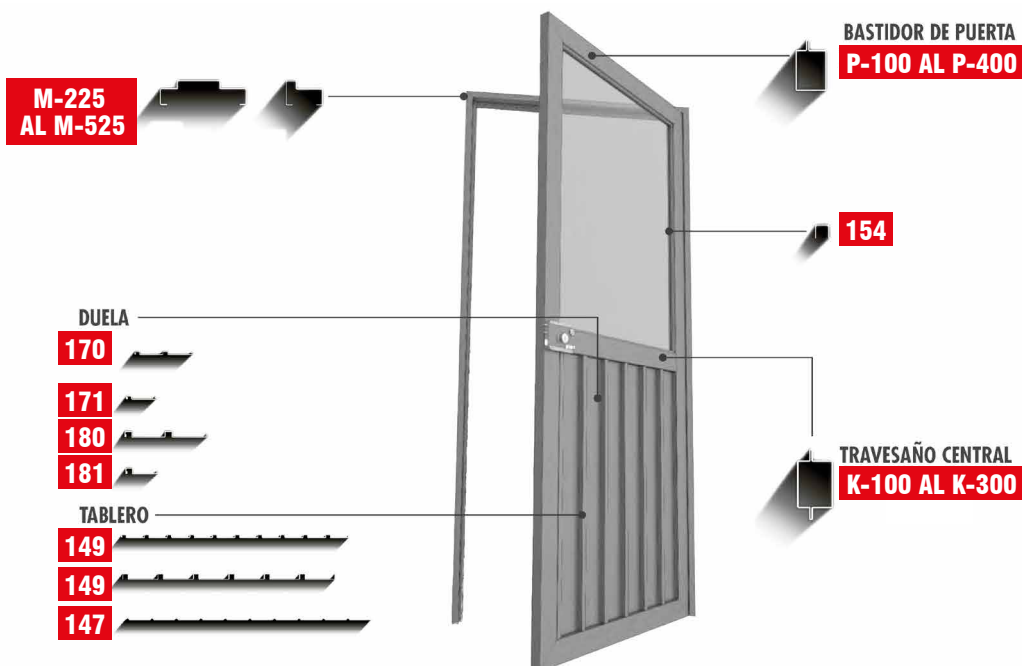
TIRAS DE 25.00 cm DE ANCHO
RECUADRO DE 17.5 X 17.5 cm

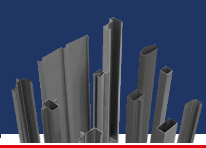


REJILLA LOUVER

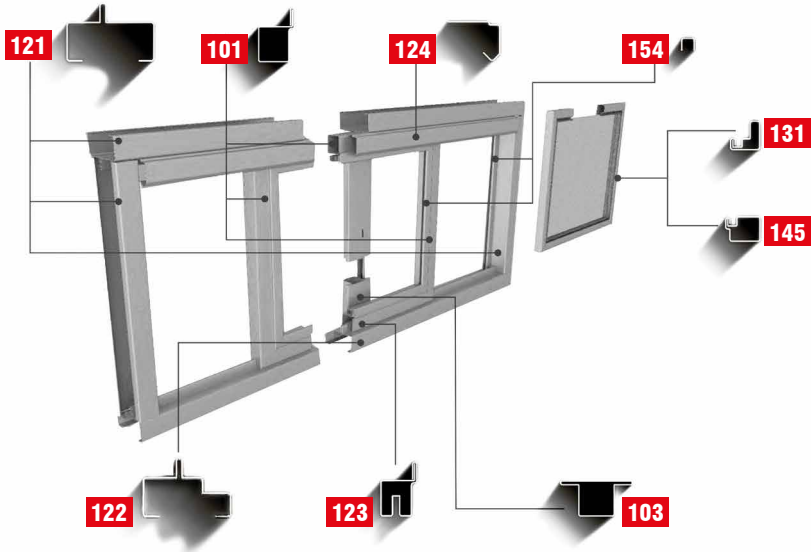


PERFILES PARA PUERTAS



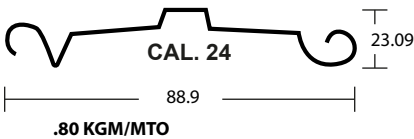


PERFILES PARA VENTANAS

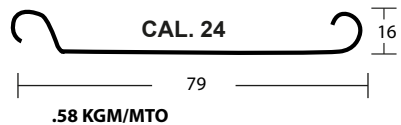


TIRA DE CORTINA Y CARRILERA

TIPO EUROPEA



TIRA PLANA



CARRILERA

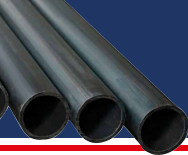
Medida (MTS)	Peso Europea KGS/PZA	Peso Plana KGS/PZA
2.05	1.64	1.18
2.55	2.04	1.48
3.05	2.44	1.77
3.55	2.84	2.06
4.05	3.24	2.35
4.55	3.64	2.64
6.10	4.88	3.53

Medida	Cal	KGS/MTO	KGS/PZA
2" x 1 3/4"	14	2.08	12.50
2" x 1 3/4"	16	1.66	10.00





PRODUCTO	DIAM. (MM)	CAL	KGS/PZA	PRODUCTO	DIAM. (MM)	CAL	KGS/PZA
1/2"	13.0	16	2.70	1 3/4"	44.0	18	9.80
		18	2.15			20	7.90
		20	1.66			22	5.96
		22	1.40				
5/8"	16.0	18	2.72	2"	50.0	18	11.23
		20	2.06			20	9.05
		22	1.76			22	6.83
3/4"	19.0	16	4.14	2 1/4"	57.0	16	12.60
		18	3.30			18	10.02
		20	2.51				
		22	2.12				
7/8"	22.0	16	4.74	2 1/2"	64.0	16	14.14
		18	3.88			18	11.37
		20	2.95			20	8.57
		22	2.48				
1"	25.0	16	5.51	3"	76.0	16	16.98
		18	4.44			18	13.73
		20	3.38			20	10.33
		22	2.84				
1 1/8"	28.0	16	6.00	3 1/2"	88.0	16	19.92
		18	4.98			18	16.26
		20	3.84				
1 1/4"	32.0	16	6.89				
		18	6.68	4"	100.0	16	22.62
		20	4.26			18	18.18
		22	3.57				
1 1/2"	38.0	16	8.36				
		18	6.78				
		20	5.13				



TUBERÍA NEGRA CÉDULA 30 LARGO ESTANDAR 6.03 MTS

Código Diámetro Nom. pulg. / mm	Diámetro Exterior pulg. / mm	Calibre	Kg / Pza
1/2"	.840 / 21.3	14	6.03
3/4"	1.050 / 26.7	14	7.24
1"	1.315 / 33.4	14	9.05
1-1/4"	1.660 / 42.2	13	14.47
1-1/2"	1.900 / 48.3	13	16.28
2"	2.375 / 60.3	12	23.12
2-1/2"	2.875 / 73	12	28.34
3"	3.500 / 88.9	11	40.40
4"	4.500 / 114.3	11	51.86
6"	6.625 / 168.3	7	111.85

TUBERÍA NEGRA CÉDULA 40 LARGO ESTANDAR 6.40 MTS

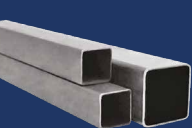
Código Diámetro Nom. pulg. / mm	Diámetro Exterior pulg. / mm	Calibre	Kg / Pza
1/2"	.840 / 21.3	12	8.26
3/4"	1.050 / 26.7	12	10.62
1"	1.315 / 33.4	10	17.41
1-1/4"	1.660 / 42.2	10	21.82
1-1/2"	1.900 / 48.3	10	24.64
2"	2.375 / 60.3	10	32.06
2-1/2"	2.875 / 73	7	50.94
3"	3.500 / 88.9	4	77.57
4"	4.500 / 114.3	4	100.80
6"	6.625 / 168.3	0.250	156.71
	6.625 / 168.3	0.280	175.56





DIAMETRO EXTERIOR			ESPESOR DE PARED		PESO APROX.
Nominal	Pulg.	mm	Pulg.	mm	kg/m
6"	6 5/8"	168.3	3/16"	4.78	19.35
			7/32"	5.60	22.47
			1/4"	6.35	25.55
			9/32"	7.10	28.22
			3/8"	9.50	37.20
8"	8 5/8"	219.1	3/16"	4.78	25.37
			7/32"	5.60	29.48
			1/4"	6.35	33.57
			5/16"	7.90	41.14
				8.20	42.65
			3/8"	9.50	49.10
10"	10 3/4"	273.1	1/2"	12.70	65.47
			3/16"	4.78	31.76
			7/32"	5.60	36.94
				5.72	36.69
			1/4"	6.35	42.09
				7.80	51.03
				9.27	60.50
12"	12 3/4"	323.9	3/8"	9.50	61.16
			1/2"	12.70	81.55
			3/16"	4.78	37.77
			7/32"	5.60	43.96
				5.72	45.09
14"	14"	355.6	1/4"	6.35	50.11
			3/8"	9.50	73.65
			13/32"	10.30	79.65
				5.30	45.78
				5.72	48.63
			1/4"	6.35	55.11
16"	16"	406.4	5/16"	7.90	67.74
			3/8"	9.50	81.08
				11.10	94.30
				11.81	101.00
			1/2"	12.70	107.39
			7/32"	5.60	55.35
				5.72	55.48
18"	18"	457.2	1/4"	6.35	63.13
				7.14	69.91
			5/16"	7.90	77.63
			3/8"	9.50	92.98
			1/2"	12.70	123.30
			1/4"	6.35	71.12
18"	18"	457.2	5/16"	7.90	87.49
			3/8"	9.50	104.84
			1/2"	12.70	139.15

PESOS TEÓRICOS CON UNA VARIACIÓN DE $\pm 5\%$
PESO CALCULADO EN PIEZAS DE 6.00 MTS.

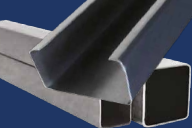


PTR RECTANGULAR

MEDIDA		CAL	KGS/PZA
Pulgada	MM		
2" X 1"	50.0 X 25.0	14	12.75
2 1/2" X 1 1/4"	64.0 X 32.0	14	16.78
2 1/2" X 1 1/2"	64.0 X 38.0	14	17.39
3" X 1 1/2"	75.0 X 38.0	14	19.70
3" X 2"	75.0 X 50.0	14	22.02
		11	34.16
		10	38.00
		7	52.78
4" X 1 1/2"	100.0 X 38.0	14	24.34
4" X 2"	100.0 X 50.0	14	26.66
		11	41.54
		9	51.06
		7	63.75
4" X 3"	100.0 X 75.0	11	48.98
		9	60.33
		7	74.75

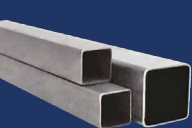


PESOS TEÓRICOS CON UNA VARIACIÓN DE $\pm 5\%$
PESO CALCULADO EN PIEZAS DE 6.00 MTS.



MEDIDA		CAL	KGS/PZA
Pulgada	MM		
3/4" X 3/4"	19.0 X 19.0	14	6.47
1" X 1"	25.0 X 25.0	14	8.11
1 1/4" X 1 1/4"	32.0 X 32.0	14	10.43
		14	13.80
		12	17.20
1 1/2" X 1 1/2"	38.0 X 38.0	10	24.95
		14	17.39
		12	23.73
2" X 2"	50.0 X 50.0	10	35.10
		14	22.02
		11	34.16
		10	38.00
2 1/2" X 2 1/2"	64.0 X 64.0	7	52.75
		14	26.66
		11	51.54
		9	51.06
3" X 3"	75.0 X 75.0	7	63.75
		14	36.16
		11	56.36
		9	69.60
4" X 4"	100.0 X 100.0	7	85.80
		14	36.16
		11	56.36



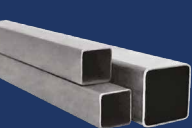


RECTANGULAR

Peso aprox. por pieza de 12.20 mts.

Pulgadas	1/8"	3/16"	1/4"	5/16"	3/8"	1/2"	5/8"
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	385.03	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	423.71	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	500.93	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	1078.48
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	





CUADRADO

Peso aprox. por pieza de 12.20 mts.

Pulgadas	1/8"	3/16"	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	7/8"
4 x 4	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



Dimensiones de secciones D x B		Calibre	Longitud en Mts.	Kg. por pieza
Pulgadas	Milímetros			
4 x 2	101 x 50	14	4	13.10
4 x 2	101 x 50	14	5	16.40
4 x 2	101 x 50	14	6	19.70
4 x 2	101 x 50	12	6	27.10
4 x 2	101 x 50	10	6	34.50
5 x 2	127 x 50	12	6	30.30
5 x 2	127 x 50	10	6	38.90
6 x 2	152 x 50	16	6	19.40
6 x 2	152 x 50	14	6	24.40
6 x 2	152 x 50	12	6	33.50
6 x 2	152 x 50	10	6	42.70
8 x 2 3/4	203 x 69	14	8	43.00
8 x 2 3/4	203 x 69	12	8	59.10
8 x 2 3/4	203 x 69	10	8	75.70
10 x 2 3/4	254 x 69	14	10	61.10
10 x 2 3/4	254 x 69	12	10	84.60
10 x 2 3/4	254 x 69	10	10	108.30
12 x 3 1/2	304 x 89	14	12	89.82
12 x 3 1/2	304 x 89	12	12	124.50
12 x 3 1/2	304 x 89	10	12	159.60

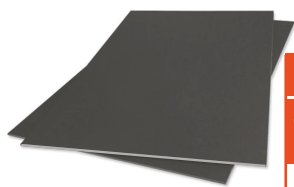
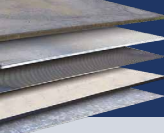
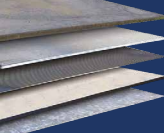


LÁMINA NEGRA EN HOJA								
CALIBRE #	ESPESOR		PESO TEÓRICO		PESO APROXIMADO POR HOJA			
	Pulg.	Mm	Kg/m2	Kg/pie2	3 X 8	3 X 10	4 X 8	4 X 10
8	0.1640	4.17	33.57	3.12	74.85	93.56	99.80	124.75
9	0.1495	3.80	30.52	2.84	68.05	85.06	90.73	113.42
10	0.1345	3.42	27.46	2.55	61.23	76.54	81.64	102.05
11	0.1196	3.04	24.41	2.27	54.43	68.04	72.57	90.72
12	0.1046	2.66	21.36	1.98	47.63	59.54	63.51	79.38
13	0.0897	2.28	18.30	1.7	40.80	51.00	54.40	68.00
14	0.0747	1.90	15.26	1.42	34.02	42.53	45.36	56.70
16	0.0598	1.52	12.20	1.13	27.20	34.00	36.27	45.33
18	0.0478	1.21	9.76	0.91	21.76	27.20	29.01	36.27
20	0.0359	0.91	7.32	0.68	16.32	20.40	21.76	27.20
22	0.0299	0.76	6.10	0.57	13.60	17.00	18.13	22.67
24	0.0239	0.61	4.88	0.45	10.88	13.60	14.51	18.13
26	0.0179	0.45	3.66	0.34	8.16	10.20	10.88	13.60
28	0.0149	0.38	3.05	0.28	6.80	8.50	9.07	11.33
30	0.0120	0.30	2.44	0.23	5.44	6.80	7.25	9.07

LÁMINA GALVANIZADA EN HOJA										
ESPESOR			PESO APROXIMADO POR HOJA EN KG						KG X M LINEAL	
CALIBRE #	PULG	MM	3'X6'	3'X8'	3'X10'	3'X12'	4'X8'	4'X10'	3'	4'
16	0.0613	1.56	20.40	27.20	34.00	40.80	36.26	45.33	11.15	14.87
18	0.0493	1.25	16.40	21.86	27.33	32.80	29.15	36.44	8.97	11.96
20	0.0374	0.95	12.43	16.57	20.72	24.86	22.10	27.62	6.80	9.06
22	0.0314	0.80	10.43	13.91	17.38	20.86	18.54	23.18	5.70	7.60
24	0.0224	0.57	7.43	9.90	12.38	14.86	13.21	16.51	4.06	5.42
26	0.0194	0.49	6.43	8.57	10.71	12.86	11.43	14.29	3.52	4.69
28	0.0164	0.42	5.43	7.24	9.05	10.86	9.65	12.06	2.97	3.96
30	0.0135	0.34	4.46	5.95	7.44	8.92			2.44	
32	0.0112	0.28	3.70	4.93	6.17	7.40			2.03	





PLACA DE ACERO EN HOJA



PLACA DE ACERO EN HOJA

ESPESOR pulg-mm	Kg / placa 4'x8'	Kg / placa 4'x10'	Kg / placa 5'x10'	Kg / placa 5'x20'	Kg / placa 6'x20'	Kg / placa 8'x20'	Kg x m ²
3/16" - 4.8	112	140	176	351	421	562	37.78
1/4" - 6.3	150	187	234	468	562	749	50.38
5/16" - 7.9	187	234	293	585	702	935	62.97
3/8" - 9.5	225	281	351	702	842	1,123	75.56
7/16" - 11.1	-	-	-	-	982	-	88.05
1/2" - 12.7	300	374	468	936	1,123	1,498	100.75
9/16" - 14.3	-	-	-	-	1,262	-	113.24
5/8" - 15.9	374	468	585	1,170	1,404	1,872	125.94
3/4" - 19.0	449	562	702	1,404	1,685	2,246	151.12

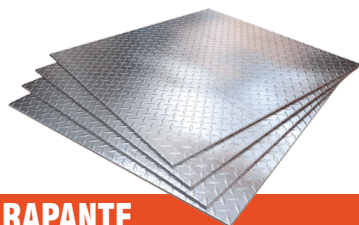


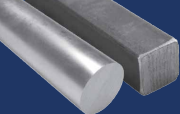
LÁMINA Y PLACA ANTIDERRAPANTE

Calibre	Espesor		Peso aprox. por Hoja			
	Pulgadas	Milímetros	3' x 8'	3' x 10'	4' x 8'	4"x 10
10	.134"	3.42	61.24	76.54	81.66	102.06
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	54.43	68.04
14	.074"	1.91	34.19	42.52	45.36	56.67
1/8"	.125"	3.17	59.91	71.14	74.80	93.60
3/16"	.187"	4.76	85.36	106.71	113.81	142.26
1/4"	.250"	6.35	113.80	142.26	151.70	189.60

PESOS TEÓRICOS CON UNA VARIACIÓN DE ±5%
PESO CALCULADO EN PIEZAS DE 6.00 MTS.

Pulgadas		Milímetros	Peso aprox. kg/m	Peso x pieza
1/8 x	3/4	19.1	0.88	5.37
	1	25.4	1.19	7.26
	1 1/4	31.7	1.50	9.15
	1 1/2	38.1	1.83	11.17
	2	50.8	2.46	15.01
3/16 x	1	25.4	1.73	10.56
	1 1/4	31.7	2.20	13.42
	1 1/2	38.1	2.68	16.35
	2	50.8	3.63	19.50
	2 1/2	63.5	4.60	28.06
	3	76.2	5.52	33.67
1/4 x	1	25.4	2.22	13.58
	1 1/4	31.7	2.86	17.45
	1 1/2	38.1	3.49	21.29
	2	50.8	4.75	29
	2 1/2	63.5	6.10	37.21
	3	76.2	7.29	44.47
	3 1/2	88.9	8.83	53
	4	101.6	9.90	60.39
5/16 x	2	50.8	5.84	35.62
	2 1/2	63.5	7.44	45.38
	3	76.2	9.08	55.38
	4	101.6	12.20	74.42
	5	127.0	15.51	94.61
3/8 x	2	50.8	6.99	42.63
	2 1/2	63.5	8.79	53.61
	3	76.2	10.72	65.39
	4	101.6	14.60	89
	5	127.0	18.30	111.63
	6	152.4	22.17	135.23
1/2 x	2 1/2	63.5	12.03	73.39
	3	76.2	13.99	85.33
	4	101.6	19.05	116.20
	5	127.0	24.11	147.07
	6	152.4	29.17	177.93
5/8 x	6	152.4	36.10	220
	8	203.2	48.40	295
3/4 x	6	152.4	42.71	260
	8	19.1 x 203.2	58.08	354
7/8 x	8	22.2 x 203.2	66.97	408
1 x	8	25.4 x 203.2	75.90	462.99
1 1/8 x	8	28.6 x 203.2	84.68	516.54

PESOS TEÓRICOS CON UNA VARIACIÓN DE $\pm 5\%$
PESO CALCULADO EN PIEZAS DE 6.00 MTS.



CUADRADOS Y REDONDOS

CUADRADOS



Dimensión		Peso aprox. Kgs. x	
Pulg	mm.	Metro	Pz.6.1m.
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

REDONDOS

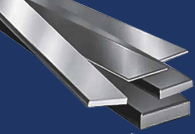
Pulgadas	Milímetros	Peso aprox. kg/m	kgs Pz. 6.10m
3/8	9.5	.559	3.41
1/2	12.7	.994	6.06
5/8	15.9	1.552	9.47
3/4	19.1	2.235	13.63
7/8	22.2	3.042	18.56
1	25.4	3.974	24.24
1 1/4	31.8	6.211	37.89
1 1/2	38.1	9.000	54.90
1 3/4	44.5	12.170	74.24
2	50.8	15.900	96.99



REDONDO PULIDO (SEMIFLECHA)

Pulgadas	Milímetros	Peso aprox. kg/m	kgs Pz. 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

PESOS TEÓRICOS CON UNA VARIACIÓN DE $\pm 5\%$
PESO CALCULADO EN PIEZAS DE 6.00 MTS.

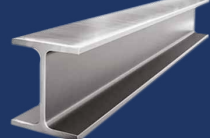


Pulgadas		mm.	Peso aprox. kg/m	
1/8 x	1/2	3.2 x	12.7	0.32
	5/8		15.9	0.39
	3/4		19.1	0.48
	1		25.4	0.63
	1 1/4		31.7	0.79
	1 1/2		38.1	0.95
	2		50.8	1.27
	2 1/2		63.5	1.59
	3		76.2	1.90
3/16 x	1/2	4.8 x	12.7	0.47
	5/8		15.9	0.59
	3/4		19.1	0.71
	1		25.4	0.95
	1 1/4		31.7	1.18
	1 1/2		38.1	1.42
	2		50.8	1.90
	2 1/2		63.5	2.37
	3		76.2	2.85
1/4 x	1/2	6.3 x	12.7	0.63
	3/4		19.1	0.95
	1		25.4	1.27
	1 1/4		31.7	1.52
	1 1/2		38.1	1.90
	2		50.8	2.53
	2 1/2		63.5	3.16
	3		76.2	3.79
	4		101.6	5.06
	5		127.0	6.33
	6		152.4	7.59

Pulgadas		mm.	Peso aprox. kg/m	
5/16 x	1 1/2	7.9 x	38.1	2.37
	2		50.8	3.16
	2 1/2		63.5	3.95
	3		76.2	4.75
	4		101.6	6.33
	5		127.0	7.91
	6		152.4	9.49
3/8 x	1	9.5 x	25.4	1.89
	1 1/4		31.7	2.37
	1 1/2		38.1	2.85
	2		50.8	3.80
	2 1/2	9.5 x	63.5	4.75
	3		76.2	5.69
	4		101.6	7.59
	5		127.0	9.49
	6		152.4	11.39
	8		203.2	15.40
1/2 x	1	12.7 x	25.4	2.53
	1 1/4		31.7	3.16
	1 1/2		38.1	3.80
	2		50.8	5.06
	2 1/2		63.5	6.33
	3		76.2	7.59
	4		101.6	10.13
	5		127.0	12.65
	6		152.4	15.19
	8		203.2	20.58

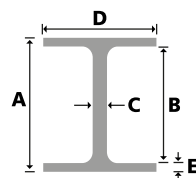
SOLERAS DE MOLINO Y SOLERAS DE SLITTER

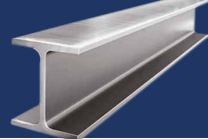




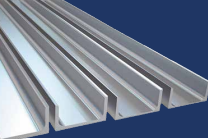
Dimensiones pulgadas	Peso aprox.		Dimensiones en mm.				
	lb/ ft	kg/ mt	Peralte Exterior A	Peralte Interior B	Espesor Peralte C	Ancho Patin D	Espesor Patin E
4 X 4	13	19.3	106	88	7.1	103	8.8
5 X 5	16	23.8	127	109	6.1	127	9.1
5 X 5	19	28.3	131	109	6.9	128	10.9
6 X 4	8.5	12.6	152	140	4.5	100	4.6
6 X 4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





Dimensiones pulgadas	Peso aprox.		Dimensiones en mm.				
	lb/ ft	kg/ mt	Peralte Exterior A	Peralte Interior B	Espesor Peralte C	Ancho Patin D	Espesor Patin E
10 X 10	60	89.3	260	225	10.7	256	17.3
10 X 10	68	101	264	225	11.9	257	19.6
10 X 10	77	115	269	225	13.5	259	22.1
10 X 10	88	131	275	225	15.4	261	25.1
10 X 10	100	149	282	225	17.3	263	28.4
10 X 10	112	167	289	225	19.2	265	31.8
12 X 4	14	20.8	303	292	5.1	101	5.7
12 X 4	16	23.8	305	292	5.6	101	6.7
12 X 4	19	28.3	309	291	6.0	102	8.9
12 X 4	22	32.7	313	291	6.6	102	10.8
12 X 6 1/2"	26	38.7	310	291	5.8	165	9.7
12 X 6 1/2"	30	44.6	313	291	6.6	166	11.2
12 X 6 1/2"	35	52.1	317	291	7.6	167	13.2
12 X 8	40	59.5	303	277	7.5	203	13.1
12 X 8	45	67.0	306	277	8.5	204	14.6
12 X 8	50	74.4	310	277	9.4	205	16.3
12 X 10	53	78.9	306	277	8.8	254	14.6
12 X 10	58	86.3	310	277	9.1	254	16.3
12 X 12	65	96.7	308	277	9.9	305	15.4
12 X 12	72	107	311	277	10.9	306	17.0
12 X 12	79	118	314	277	11.9	307	18.7
12 X 12	87	129	318	277	13.1	308	20.6
12 X 12	96	143	323	277	14.0	309	22.9
12 X 12	106	158	327	277	15.5	310	25.1
12 X 12	120	179	333	277	18.0	313	28.1
12 X 12	136	202	341	277	20.1	315	31.8
12 X 12	152	226	348	277	22.1	317	35.6
12 X 12	170	253	356	277	24.4	319	39.6
12 X 12	190	283	365	277	26.9	322	44.1
12 X 12	210	313	374	277	30.0	325	48.3
12 X 12	230	342	382	277	32.6	328	52.6
12 X 12	252	375	392	277	36.0	332	58.0
12 X 12	279	415	400	277	38.0	335	64.0
12 X 12	305	454					
12 X 12	336	500	405	277	42.0	339	74.0



Altura o Peralte		Peso aprox.		Patín (mm)		Alma (mm)
Pulgadas	Milímetros	lb/ft.	kg/mt.	Ancho	Espesor	
3	76.2	4.1	6.10	35.8	7	4
4	101.6	5.4	8.04	40.2	8	5
5	127.0	6.7	9.96	44.4	6	4
6	152.4	8.2	12.20	48.7	9	5
8	203.8	11.5	17.11	57.4	10	6
8	203.8	13.8	20.48	60.0	10	8
8	203.8	18.8	27.93	64.0	10	12
10	254.0	15.3	22.80	66.1	11	6
10	254.0	20.0	29.80	69.8	11	10
10	254.0	25.0	37.20	73.3	11	13
10	254.0	30.0	44.70	77.1	11	17
12	304.8	20.7	30.80	74.3	11	7
12	304.8	25.0	37.20	77.4	11	10
12	304.8	30.0	44.70	80.6	11	13

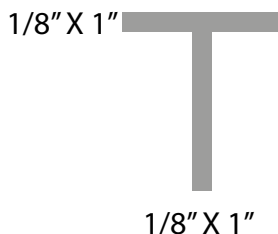
VIGAS I.P.S.

Peralte	Patín (mm)		Alma	Peso aprox. kg/m
Pulg	mm	Ancho	mm	
3	76.2	59.23	4.3	8.48
4	101.6	67.64	4.9	11.46
5	127.0	76.30	5.4	14.88
6	152.4	84.63	5.9	18.60



TEE DE FIERRO

Pulg.	mm	Peso aprox.	
		kg/m	kg pz.6 m
1/8 x 1	3.2 x 25.4	1.32	7.92





ALLA IYCLÓNICA

Largo Rollo: 20 mts.

Alturas: 1 1.25 1.5 1.75 2 2.5 3 mts.

Calibre: 10.5 y 12.5

ALAMBRE DE PÚAS

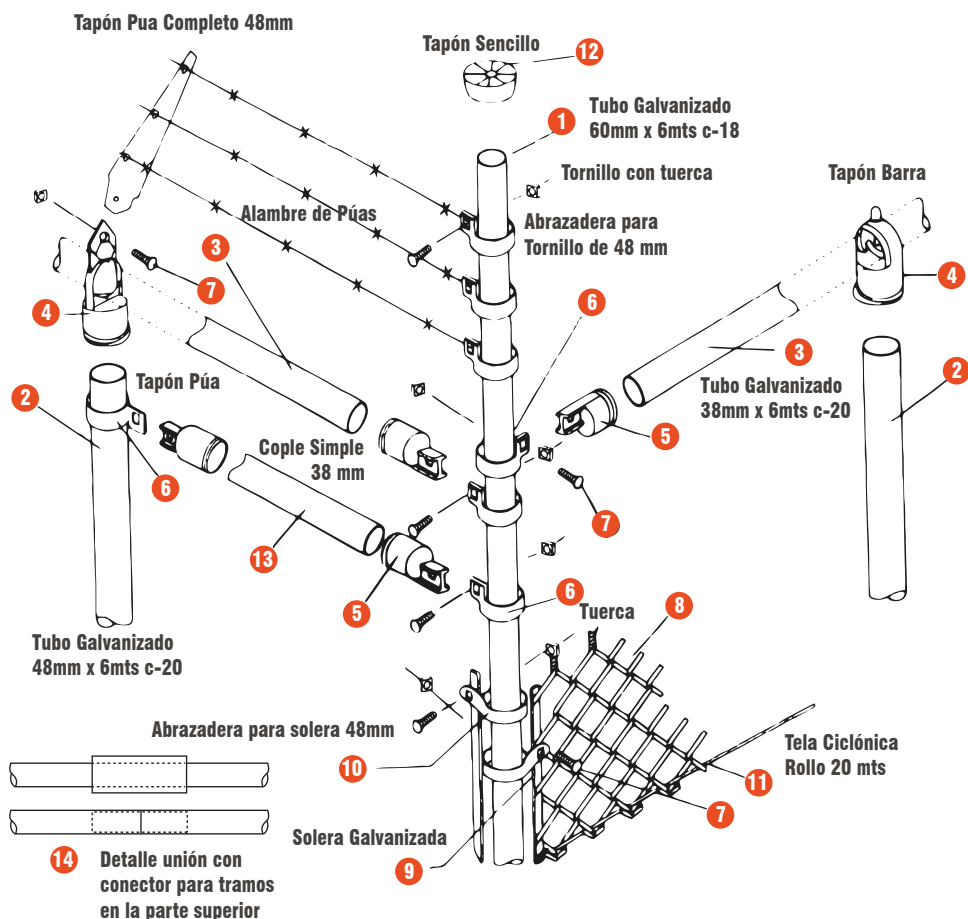
Calibres		
	alambre púas	Rollo
	12.5 14	34 kg.
	12.5 14	30 kg.
	12.5 14	20 kg.

CADENA GALVANIZADA

Calibre	Largo interior eslabón mm	Ancho interior eslabón mm	Carga de trabajo kg.	Resistencia ruptura kg.	
1/8	22.85	6.80	180	725	25 kg.
3/16	24.85	10.18	360	1450	25 kg.
1/4	31.40	11.70	590	2360	25 kg.
5/16	33.00	12.75	860	3450	25 kg.
3/8	36.80	15.40	1200	4810	25 kg.
1/2	39.60	20.62	2040	8165	25 kg.

CONCERTINA

	Residencial	Industrial	Militar
Modelo:			
Cuchilla:	Recta	Tipo Arpón	Tipo Doble Arpón
Diámetro:	18" y 24"	18" y 24"	18" y 24"
Longitud rollo:	8 m	8 m	8m
No. Espirales:	33	33	33
Peso rollo:	4.2 kg	4.3 kg	5.2 kg



DETALLE DE LA INSTALACIÓN

1. POSTE DE ARRANQUE Y/O PUNTA Y/O ESQUINERO Y/O REFUERZO
2. POSTE DE LÍNEA
3. BARRA SUPERIOR
4. TAPÓN PÚA O TAPÓN BARRA
5. COPLE DE BARRA SUPERIOR ACOPLADA A PZA 3 Y FIJAR CON PZA 6 CON PZA 7
6. ABRAZADERA BARRA SUPERIOR (DE ARRANQUE O TORNILLO)
7. TORNILLO TIPO COCHE
8. MACLA CON PRESENTACIÓN, PZA 9 PARA FIJAR CON ABRAZADERA 10 Y ATORNILLAR CON PZA 7
9. SOLERA DE TENSIÓN (CERCHA)
10. ABRAZADERA ÁRA ESTORAR LA MACLA
11. ALAMBRE LISO GALVANIZADO DE ALTA TENSIÓN EN LA PARTE INFERIOR DE LA CERCA (ENTRETEJIDO)
12. TAPÓN SENCILLO
13. RETENIDA HORIZONTAL
14. CONECTOR BARRA SUPERIOR

PANEL

Altura	Ancho	Abertura	Abrazaderas	Calibre	
m	m	mm	#	cal.	mm
1.00	2.5	50 x 200	2	6	4.89
1.50	2.5	50 x 200	3	6	4.89
2.00	2.5	50 x 200	4	6	4.89
2.50	2.5	50 x 200	5	6	4.89

Colores:

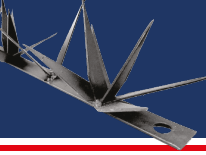
Verde	Blanco	Gris
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POSTE

Altura del panel	Altura del poste	Calibre	Dimensiones
m	m	cal.	plg
1.00	1.50	16	2 1/4" x 2 1/4"
1.50	2.00	16	2 1/4" x 2 1/4"
2.00	2.50	16	2 1/4" x 2 1/4"
2.50	3.10	16	2 1/4" x 2 1/4"

Colores:

Verde	Blanco	Gris
-------	--------	------



PICOS PARA PROTECCIÓN

		Largo cms.	Ancho cms.	Altura cms.
	No. 7	100	14	10
	No. 8	100	14	8
	No. 9	100	14.5	11

REJA ACERO



Clásico



Gótico

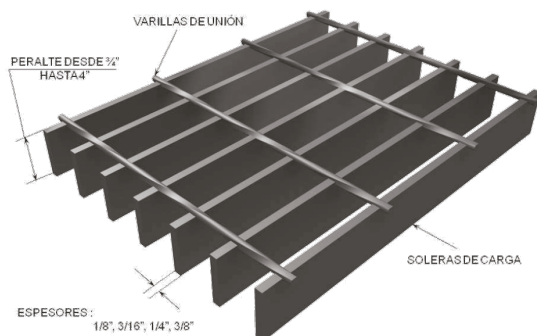


Granada



Pacífico

Espesor	Peralte	Superficie	Ancho: 1m	Longitud: 6m
			Acabado	
1/8	3/4	Liso	Natural, Negro o Galvanizado	
1/8	1	Liso o Dentado	Natural, Negro o Galvanizado	
1/8	1 1/4	Liso o Dentado	Natural, Negro o Galvanizado	
1/8	1 1/2	Liso o Dentado	Natural, Negro o Galvanizado	
3/16	3/4	Liso o Dentado	Natural, Negro o Galvanizado	
3/16	1	Liso o Dentado	Natural, Negro o Galvanizado	
3/16	1 1/4	Liso o Dentado	Natural, Negro o Galvanizado	
3/16	1 1/2	Liso o Dentado	Natural, Negro o Galvanizado	



MAILLA ELECTROSOLDADA

Diseño	Ancho (m)	Largo (m)	Peso aprox.(kg/m2)
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
66-1010	1.22	20	.98



Medidas estándar mts.

2.44
3.05
3.66
4.27
4.88
5.50
6.10
7.32

Medida especial

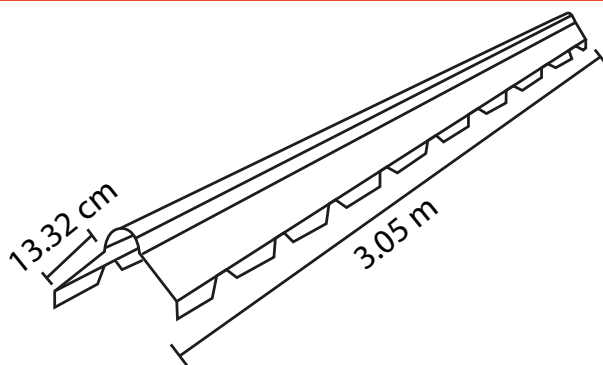


Materiales: Pintro, Zintro, Zintroalum, en calibres **24 y 26**
Poliacrílica y Acrílica

PIJA PARA TECHUMBRES

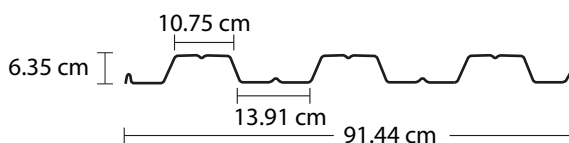
1/4" x 3/4"
1/4" x 1"

CABALLETE



Tipo	Calibre	Ancho	Largo	Largo efectivo
Para R-101	26	.45 m	3.05 m	2.88 m

LOSACERO CAL. 20, 22 Y 24



Medida estándar: 6.10 mts.
Medida especial



PLASTITEJA (TODOS LOS PRODUCTOS SON EN COLOR ROJO OXIDO)			
LARGO	ANCHO	PESO	SEPARACIÓN
0.65	1.00	4.50 KG	
1.10	1.00	7 KG	70 A 80 CM
0.65	1.00	9 KG	70 A 80 CM
2.05	1.00	11 KG	70 A 80 CM
2.44	1.00	13 KG	70 A 80 CM
3.20	1.00	16 KG	70 A 80 CM
3.60	1.00	19 KG	70 A 80 CM
4.05	1.00	22 KG	70 A 80 CM
4.50	1.00	25 KG	70 A 80 CM
5.20	1.00	28 KG	70 A 80 CM
5.60	1.00	31 KG	70 A 80 CM
6.05	1.00	34 KG	70 A 80 CM
7.00	1.00	37 KG	70 A 80 CM



CANAL R101 T-81



CANAL TIPO ASBESTO T-57



CANAL RURAL T-4



CANAL RURAL

1.27 X 1.20
1.52 X 1.20
1.90 X 1.20
2.10 X 1.20
2.54 X 1.20
3.05 X 1.20
3.40 X 1.20
3.81 X 1.20
4.20 X 1.20
5.08 X 1.20
6.10 X 1.20

CANAL R-101

1.83 X 1.07
2.44 X 1.07
3.05 X 1.07
3.66 X 1.07
4.27 X 1.07
4.88 X 1.07
5.50 X 1.07
6.10 X 1.07
7.32 X 1.07

LÁMINA DE ASBESTO -P7

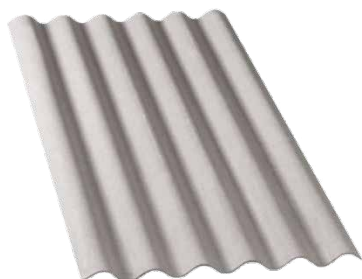
PESO	LARGO	ANCHO
19.8 KG	1.83 MTS	1.00 MTS
23.1 KG	2.16 MTS	1.00 MTS
26.4 KG	2.44 MTS	1.00 MTS
28.2 KG	2.60 MTS	1.00 MTS
33.0 KG	3.05 MTS	1.00 MTS
34.1 KG	3.15 MTS	1.00 MTS
51.6 KG	3.66 MTS	1.00 MTS

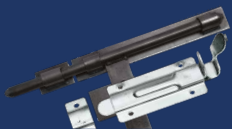
CANAleta CUADRA DA GALVANIZADA

4" X 1.83
4" X 2.44 **CONTRA-TAPA 4"**
4" X 3.05

6" X 1.83
6" X 2.44 **CONTRA-TAPA 6"**
6" X 3.05

8" X 1.83
8" X 2.44 **CONTRA-TAPA 8"**
8" X 3.05





HERRAJES



BISAGRA DE PROYECCIÓN



BISAGRAS



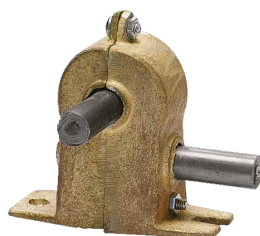
BIBEL



BUZÓN



PASADORES DE PISO



ELEVADOR



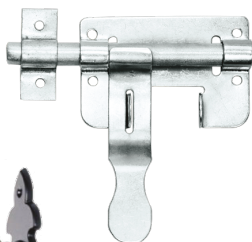
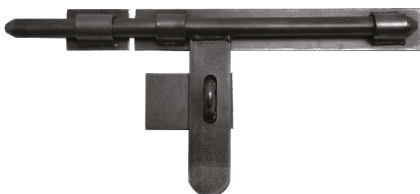
PASADORES COLONIALES



TRABAS Y PASADORES



LLAMADOR



TEJUELO



CARRETILLA



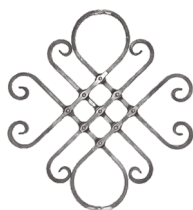
JALADERAS



TORNILLERÍA



ESTRELLA



ROSETÓN



ECLIPSE



COTORRO



SOL



FLECHAS



ALAS



NUDOS



TAPÓN BOLA



RETOÑO



FIGURAS CURVAS



ARO



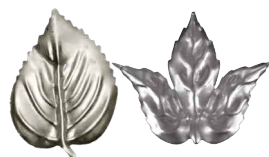
CHAPETÓN



PIÑAS



ARCOS



HOJAS



CORAZÓN



GRAPA



CONCHA



FIERRO VACIADO

TABLA DE CONVERSIONES

Fracciones	Milésimas de pulgada	Milímetros	Fracciones	Milésimas de pulgada	Milímetros
1/64"	0.0156	0.397	33/64"	0.5156	13.097
1/32"	0.0313	0.794	17/32"	0.5313	13.494
3/64"	0.0469	1.190	35/64"	0.5469	13.891
1/16"	0.0625	1.588	9/16"	0.5625	14.288
5/64"	0.0781	1.984	37/64"	0.5781	14.684
3/32"	0.0938	2.381	19/32"	0.5938	15.081
7/64"	0.1094	2.778	39/64"	0.6094	15.478
1/8"	0.1250	3.175	5/8"	0.6250	15.875
9/64"	0.1406	3.572	41/64"	0.6406	16.272
5/32"	0.1562	3.969	21/32"	0.6563	16.669
11/63"	0.1746	4.366	43/64"	0.6719	17.066
3/16"	0.1875	4.762	11/16"	0.6875	17.463
13/64"	0.2031	5.159	45/64"	0.7031	17.859
7/32"	0.2188	5.556	23/32"	0.7188	18.256
15/64"	0.2344	5.953	47/64"	0.7344	18.653
1/4"	0.2500	6.350	3/4"	0.7500	19.050
17/64"	0.2656	6.747	49/64"	0.7656	19.447
9/32"	0.2813	7.144	25/32"	0.7813	19.844
19/64"	0.2969	.541	51/64"	0.7969	20.241
5/16"	0.3125	7.937	13/16"	0.8125	20.638
21/64"	0.3281	8.334	53/64"	0.8281	21.034
11/32"	0.3438	8.731	27/32"	0.8438	21.431
23/64"	0.3594	9.128	55/64"	0.8594	21.828
3/8"	0.3750	9.525	7/8"	0.8750	22.225
25/64"	0.3906	9.922	57/64"	0.8906	22.622
13/32"	0.4063	10.319	29/32"	0.9063	23.019
27/64"	0.4219	10.716	59/64"	0.9219	23.416
7/16"	0.4375	11.113	15/16"	0.9375	23.813
29/64"	0.4531	11.509	61/64"	0.9531	24.209
15/32"	0.4688	11.906	31/32"	0.9628	24.454
31/64"	0.4844	12.303	63/64"	0.9844	25.003
1/2"	0.5000	12.700	1"	1000	24.400

TABLA CALIBRES

Calibre	Espesor pulgadas	Espesor milímetros	Peso Lb/Pie ²	Peso Kg/M ²
1/2"	0.5000	12.70	20.4175	99.695
7/16"	0.4375	11.11	17.8613	87.214
3/8"	0.3750	9.53	15.3212	74.811
5/16"	0.3125	7.94	12.7650	62.329
1/4"	0.2500	6.35	10.2088	49.848
3	0.2391	6.07	9.7586	47.650
4	0.2242	5.69	9.1477	44.667
5	0.2092	5.31	8.5368	41.684
6	0.1943	4.94	7.9419	38.779
3/16"	0.1875	4.76	7.6526	37.366
7	0.1793	4.55	7.3149	35.718
8	0.1644	4.18	6.7201	32.813
9	0.1495	3.80	6.1092	29.830
10	0.1345	3.42	5.4983	26.847
1/8"	0.1250	3.18	5.1124	24.953
11	0.1196	3.04	4.8873	23.864
12	0.1046	2.66	4.2764	20.881
13	0.0897	2.28	3.6655	17.898
14	0.0747	1.90	3.0546	14.915
15	0.0673	1.71	2.7491	13.424
1/16"	0.0625	1.59	2.5562	12.482
16	0.0598	1.52	2.4437	11.932
17	0.0538	1.37	2.2025	10.755
18	0.0478	1.21	1.9453	9.499
19	0.0718	1.06	1.7041	8.321
20	0.0359	0.91	1.4630	7.144
21	0.0329	0.84	1.3505	6.594
1/32"	0.0312	0.79	1.2701	6.202
22	0.0299	0.76	1.2218	5.966
23	0.0269	0.68	1.0932	5.338
24	0.0239	0.61	0.9807	4.789
25	0.0209	0.53	0.8521	4.161
26	0.0179	0.45	0.7235	3.533
27	0.0164	0.42	0.6752	3.297
1/64"	0.0156	0.40	0.6431	3.140
28	0.0149	0.38	0.6109	2.983
29	0.0135	0.34	0.5466	2.669
30	0.0120	0.30	0.4823	2.355
31	0.0105	0.27	0.4341	2.120
32	0.0097	0.25	0.4019	1.963
33	0.0090	0.23	0.3698	1.806

**PLANTAS PARA SOLDAR
E INVERSORES**



PLANTA DE LUZ



DISCOS



**ELECTRODO
SOLDADURA**



**PISTOLA
PARA PINTAR**



TALADROS



COMPRESOR



GUANTES

**ESMERILADORA DE
4 1/2", 7" Y 9"**



**SIERRA
CORTADORA
DE METALES**

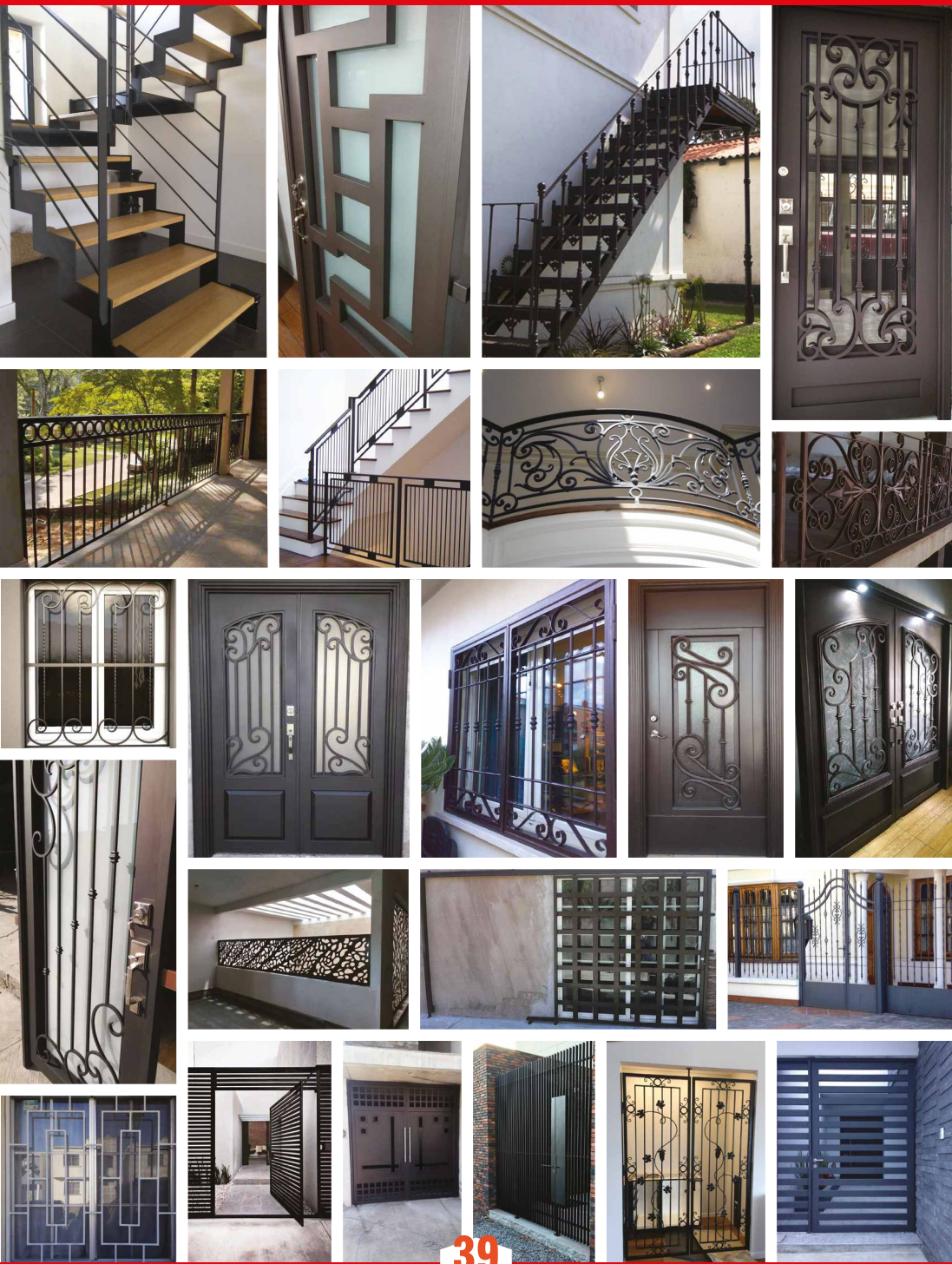


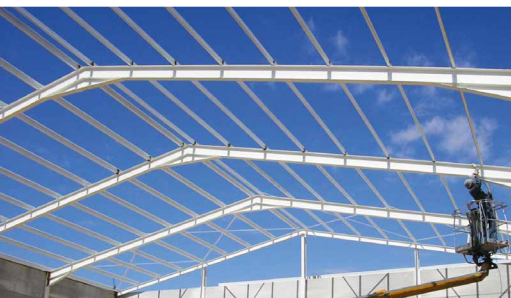
**CARETAS
PARA SOLDAR**

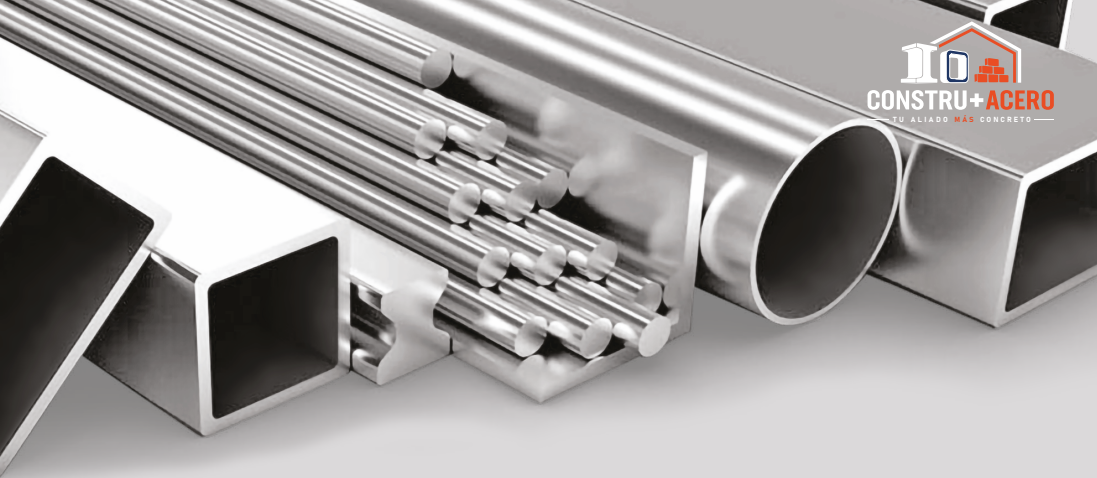


Y MÁS...









CONSTRU+ACERO

— TU ALIADO MÁS CONCRETO —

SUC. CDMX

Av. Canal de Miramontes No. 2016
Col. Educación, C.P. 04400
Alcaldía Coyoacán, CDMX.

☎ 55 5549-7724

📞 55 5432-1031

@ ventas@construmasacero.com



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