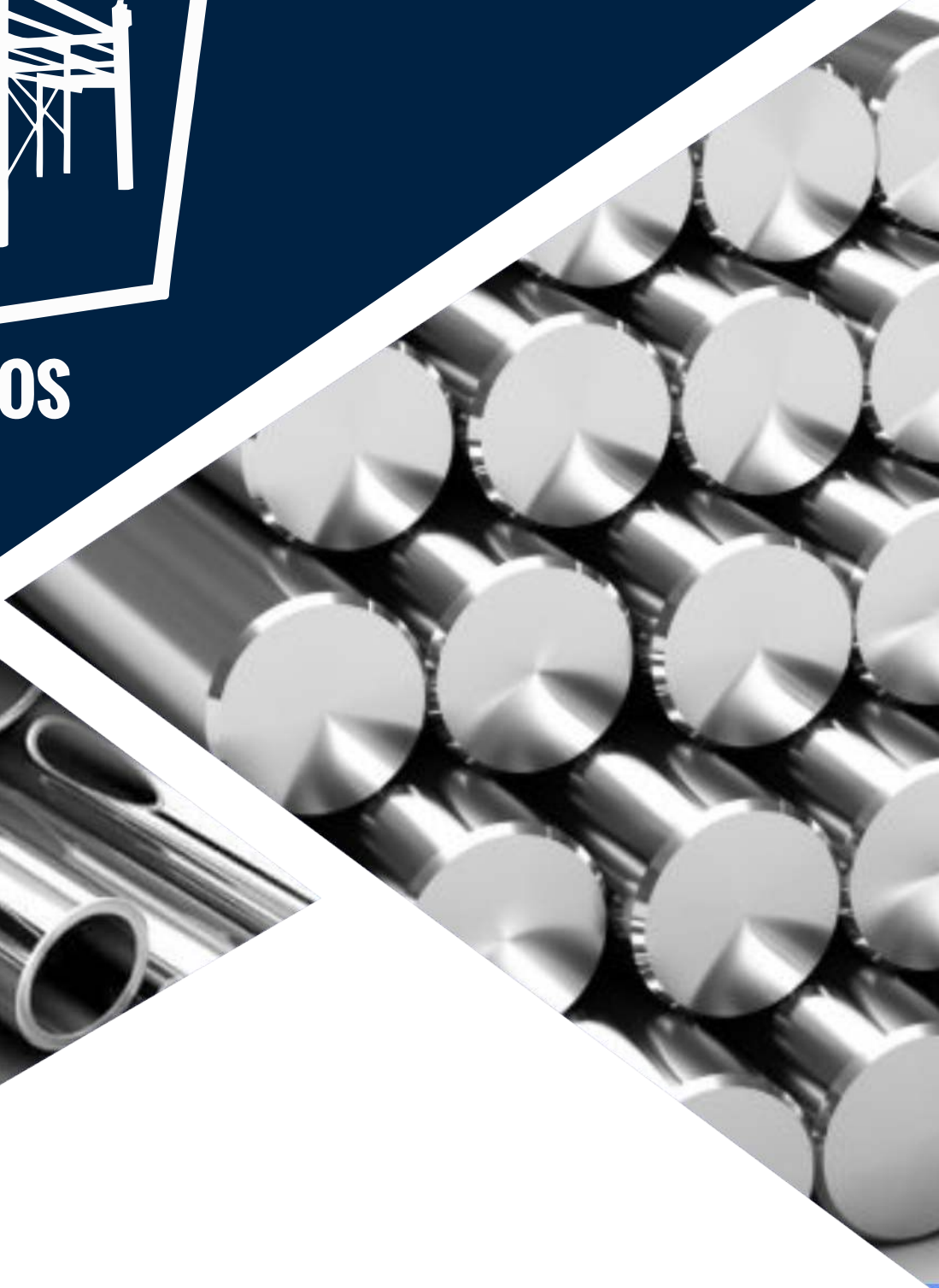




ACEROS

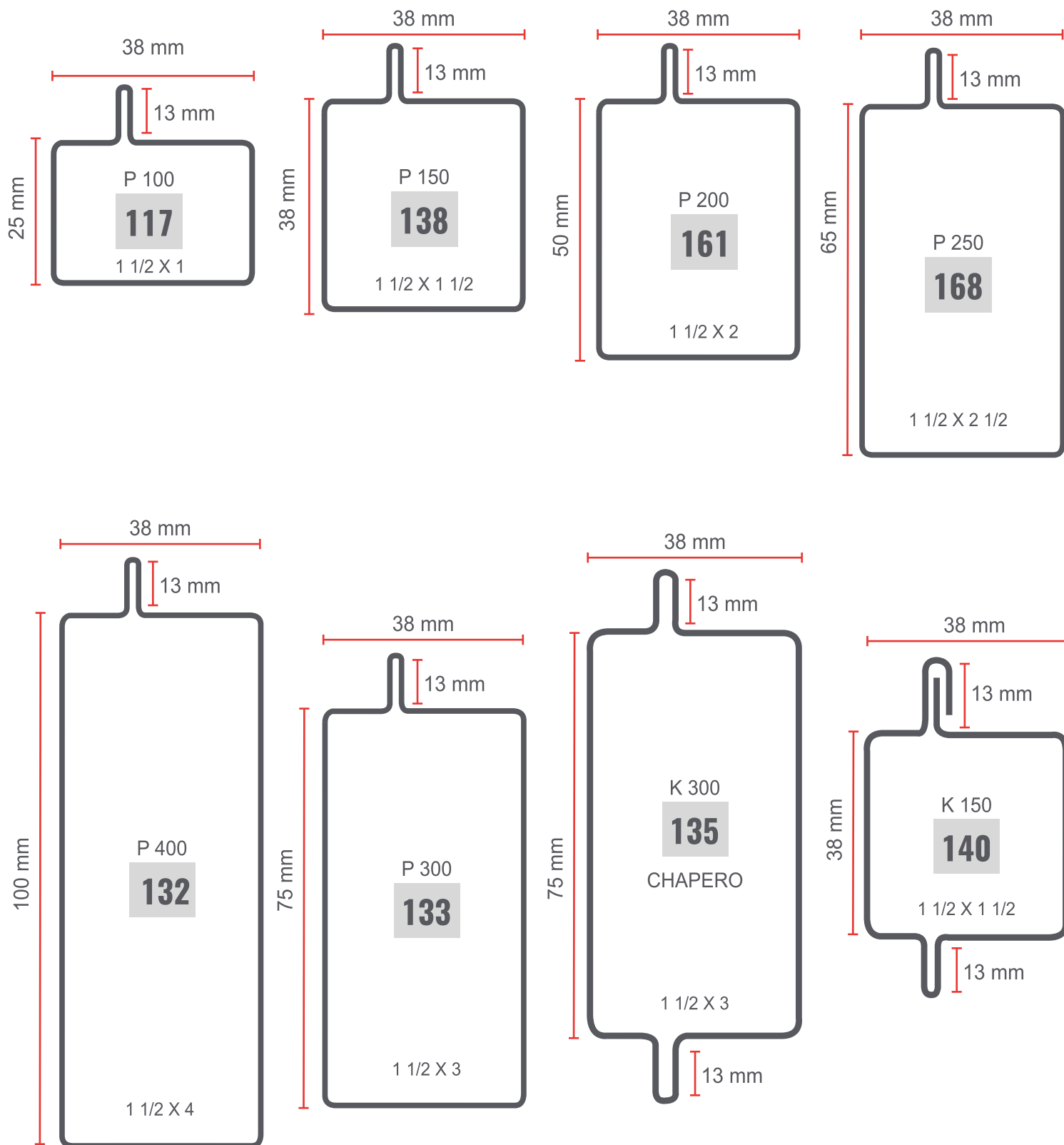




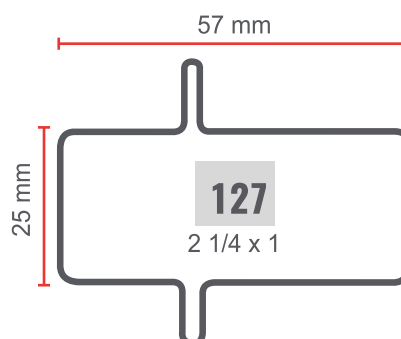
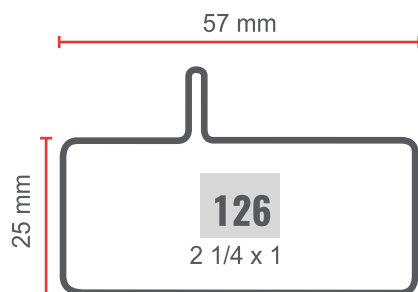
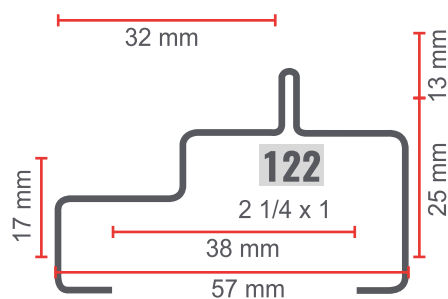
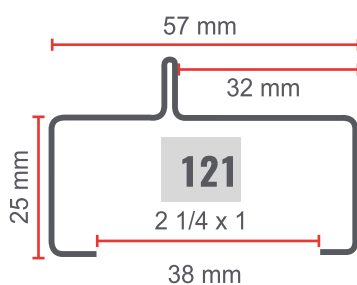
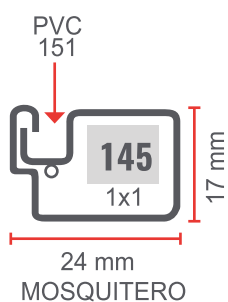
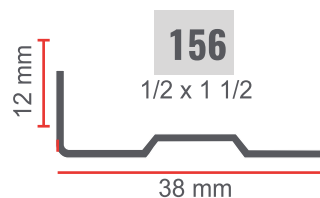
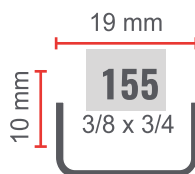
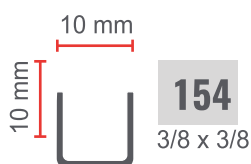
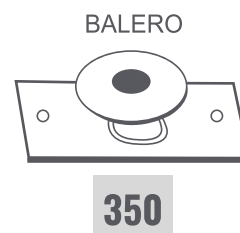
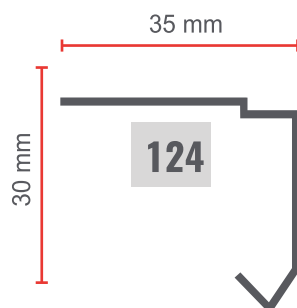
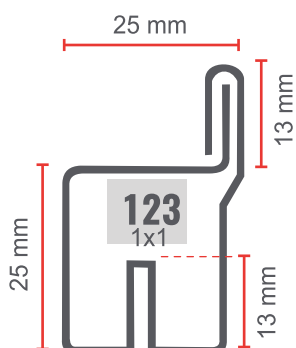
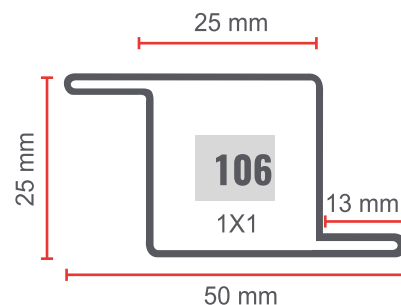
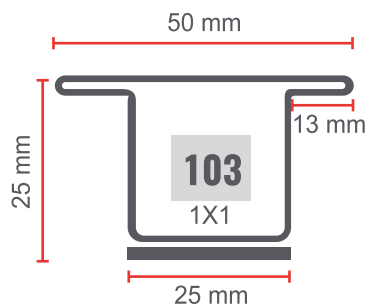
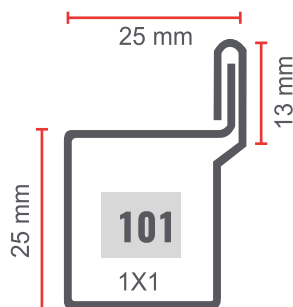
ACEROS

Serdi cuenta con un extenso inventario en ptr, vigas ipr, polines, ángulos, placas de acero, tuberías, soleras, cuadrados, redondos, todo esto y más, descubra todos los productos que tenemos para cubrir sus necesidades en acero y con la absoluta certeza de ser su mejor opción garantizando que tu proyecto estará en tiempo y forma, ahorrando tiempo y esfuerzo.

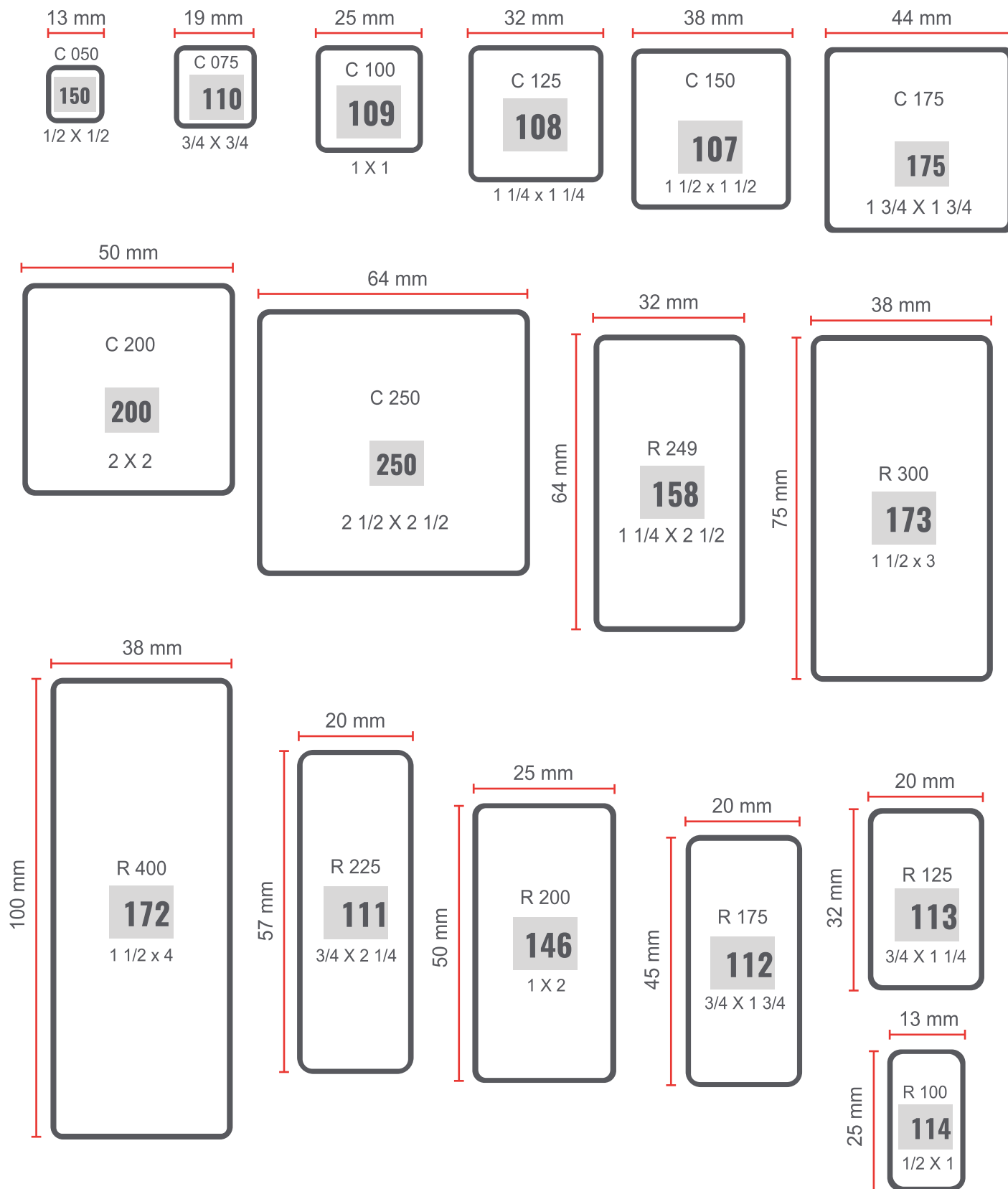




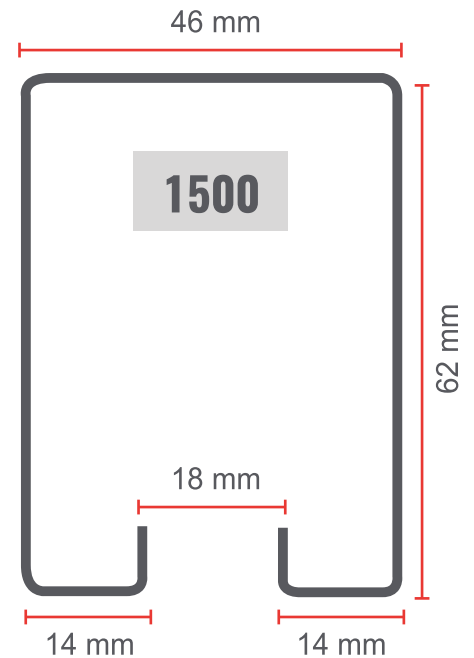
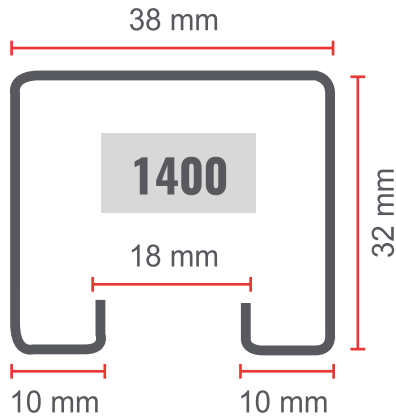
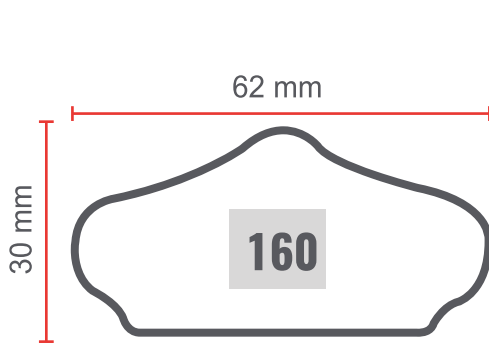
PERFILES



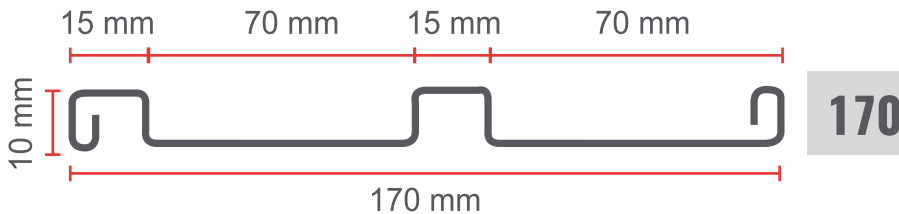
Nota: Si la opción que requieres no se encuentra en el catálogo, pregunte a su asesor de ventas.



PASAMANOS Y RIELES

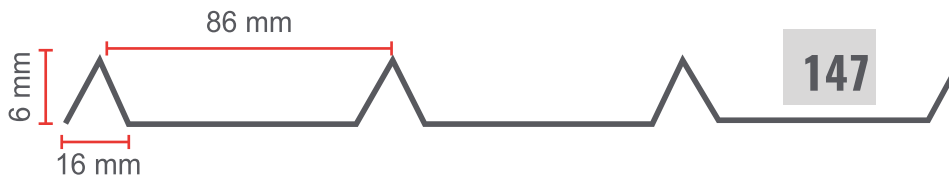


DUELA PARA ENSAMBLAR



TABLEROS PARA PUERTA

ESPECIFIQUE: El número de tablero, medida y colocación de la moldura.

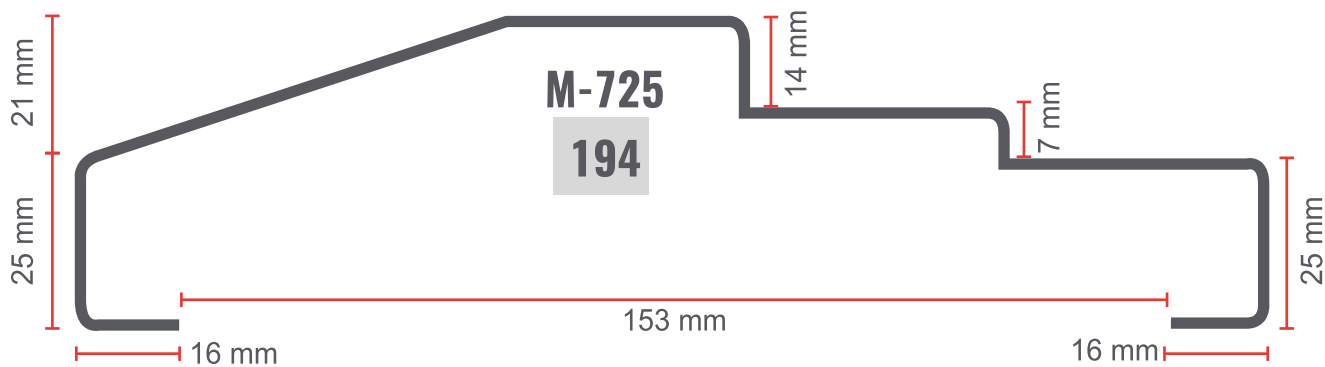
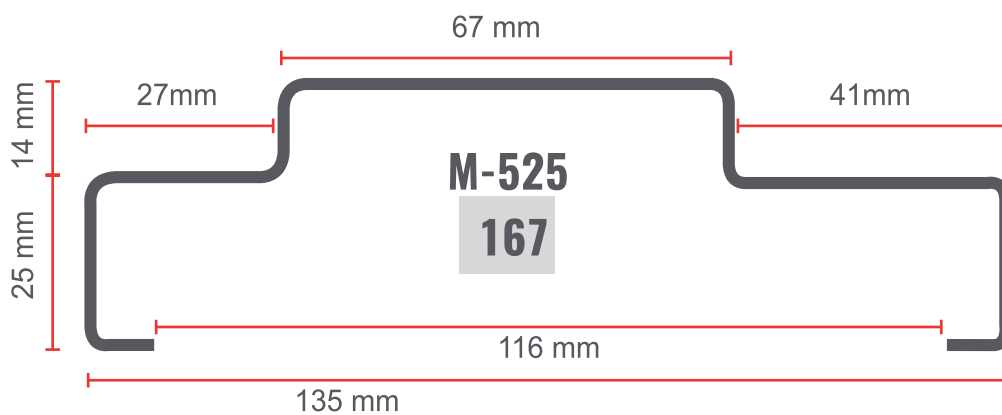
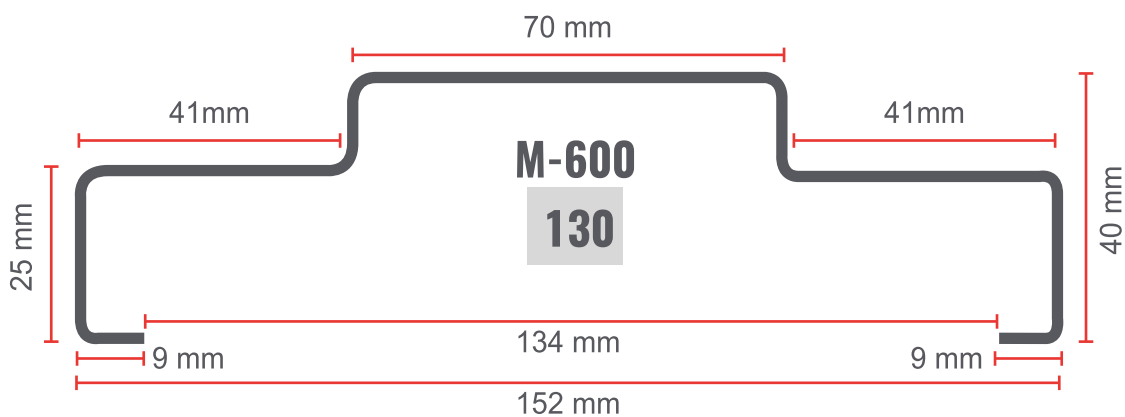
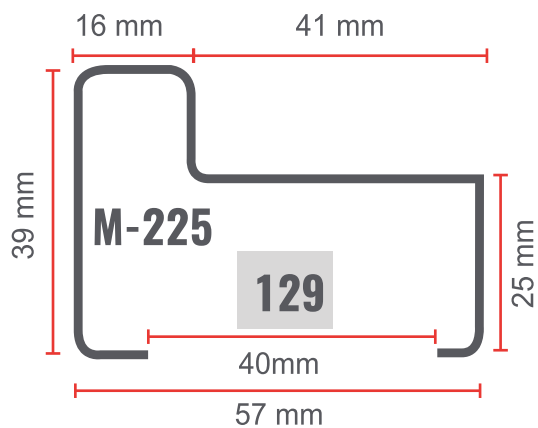
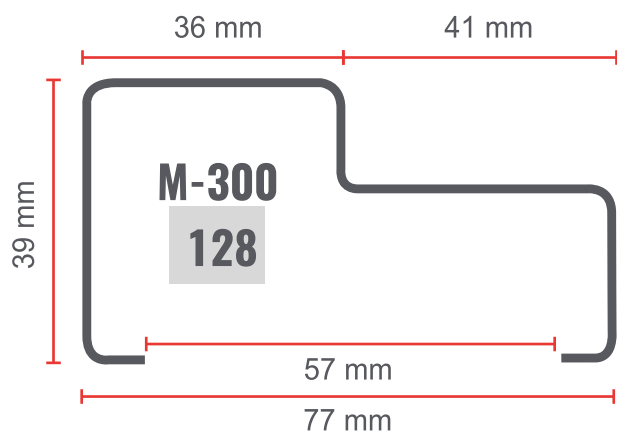


MEDIDAS LÁMINAS PLANA

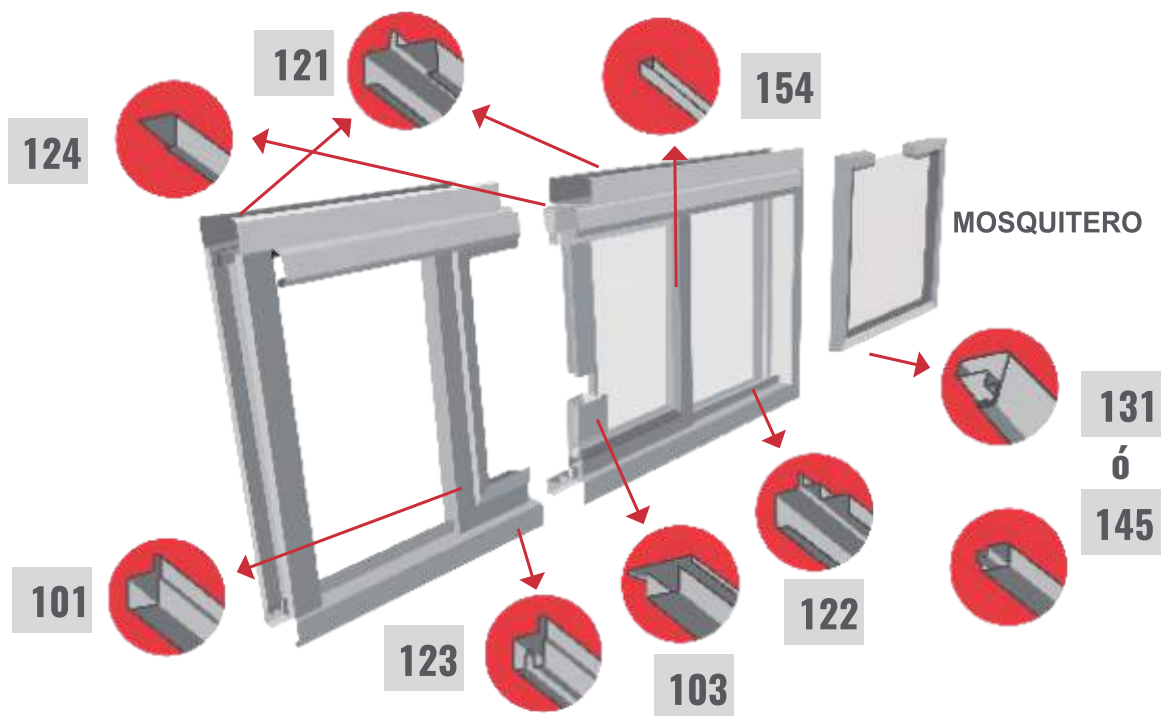
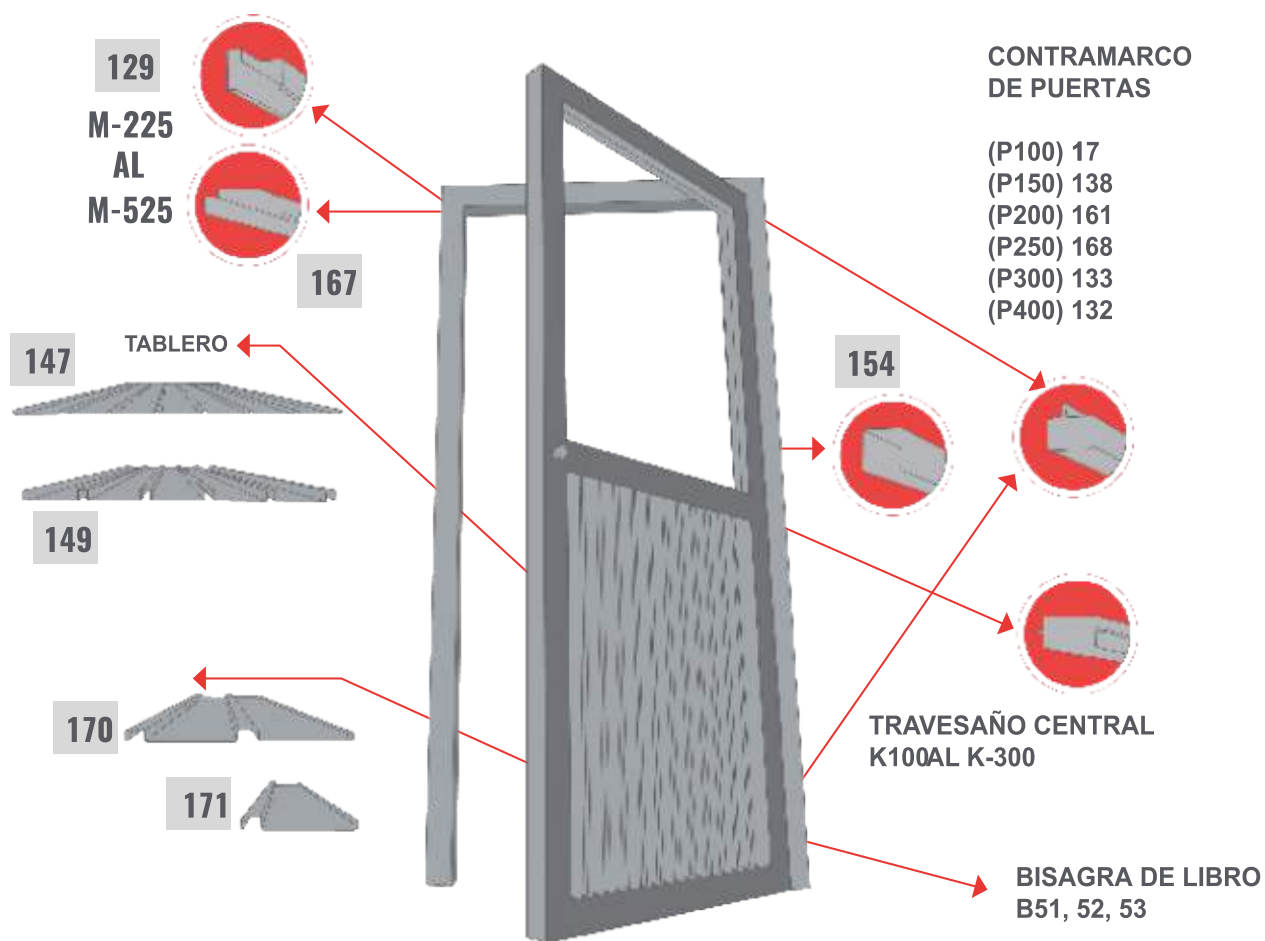
0.91 x 0.91 mts (3'3")
 0.91 x 1.95 mts (3'6.4")
 0.91 x 2.44 mts (3'8")
 0.91 x 3.05 mts (3'10")

COLOCACIÓN DE MOLDURA

A (Moldura a lo ancho)
 L (Moldura a lo largo)
 LC (A lo largo para continuar)



APLICACIÓN DE PERFILES DE PUERTAS Y VENTANAS



FICHA TÉCNICA DE PERFILES

NÚMERO	CALIBRE	ESPESOR (PULGADAS)	LONGITUD (MTS.)	KILOGRAMO X METRO	KILOGRAMO X PIEZA
101	20	0.0359	6.00	0.91	5.460
	18	0.0478	6.00	1.22	7.320
103	20	0.0359	6.00	1.08	6.480
	18	0.0478	6.00	1.47	8.820
106	20	0.0359	6.00	1.08	6.480
	18	0.0478	6.00	1.47	8.820
116	20	0.0359	6.00	1.43	8.580
121	20	0.0359	6.00	1.00	6.000
	18	0.0478	6.00	1.36	8.160
122	20	0.0359	6.00	1.00	6.000
	18	0.0478	6.00	1.36	8.160
123	20	0.0359	6.00	1.07	6.420
124	18	0.0478	6.00	0.68	4.080
126	20	0.0359	6.00	1.27	7.620
	18	0.0478	6.00	1.72	10.320
127	20	0.0359	6.00	1.41	8.460
	18	0.0478	6.00	1.91	11.460
131	20	0.0359	6.00	0.64	3.840
145	20	0.0359	6.00	0.64	3.840
154	20	0.0359	6.00	0.18	1.080
	18	0.0478	6.00	0.25	1.500
155	20	0.0359	6.00	0.23	1.380
156	20	0.0359	6.00	0.39	2.340
157	18	0.0478	6.00	1.98	11.880
159	20	0.0478	6.00	1.33	7.980
	18	0.0478	6.00	1.81	10.860
160	20	0.0359	6.00	1.08	6.480
	18	0.0478	6.00	1.47	8.820
169	20	0.0359	6.00	1.15	6.900
1400	18	0.0359	6.00	1.24	7.440

FICHA TÉCNICA DE PERFILES

NÚMERO	CALIBRE	ESPESOR (PULGADAS)	LONGITUD (MTS.)	KILOGRAMO X METRO	KILOGRAMO X PIEZA
1500	16	0.0598	6.00	2.45	14.700
	14	0.0747	6.00	3.06	18.360
M-221	20	0.0359	6.00	1.46	8.760
M-225 (129)	20	0.0359	5.50	1.03	5.665
	18	0.0478	5.50	1.41	7.755
M-300 (128)	20	0.0359	5.50	1.17	6.435
M-350	20	0.0359	5.50	1.07	5.885
M-525 (167)	20	0.0359	5.50	1.56	8.580
	18	0.0478	5.50	2.12	11.66
M-600 (130)	20	0.0359	5.50	1.69	9.295
	18	0.0478	5.50	2.31	12.70
P-100 117	20	0.0359	6.00	1.01	6.060
	18	0.0478	6.00	1.36	8.160
P-150 (138)	20	0.0359	6.00	1.19	7.140
	18	0.0478	6.00	1.61	9.660
P-200 (161)	20	0.0359	6.00	1.37	8.220
	18	0.0478	6.00	1.86	11.160
P-250 (168)	20	0.0359	6.00	1.56	9.360
	18	0.0478	6.00	2.09	12.540
P-300 (133)	20	0.0359	6.00	1.73	10.380
	18	0.0478	6.00	2.32	13.920
P-400 (132)	20	0.0359	6.00	2.09	12.540
	18	0.0478	6.00	2.82	16.920
K-100	20	0.0359	6.00	1.16	6.960
	18	0.0478	6.00	1.58	9.480
K-150 (140)	20	0.0359	6.00	1.34	8.040
	18	0.0478	6.00	1.83	10.980
K-200 (162)	20	0.0359	6.00	1.52	9.120
K-250	18	0.0478	6.00	2.32	13.920
K-300 (135)	20	0.0359	6.00	1.88	11.280
	18	0.0478	6.00	2.57	15.420

SUCURSALES:

GUAMÚCHIL

📍 **BLVD. FRANCISCO LABASTIDA OCHOA #1638
CARRETERA A ANGOSTURA MAGISTERIO,
GUAMÚCHIL, SINALOA.**



**(673) 732 25 25
y (673) 732 25 26**

GUASAVE



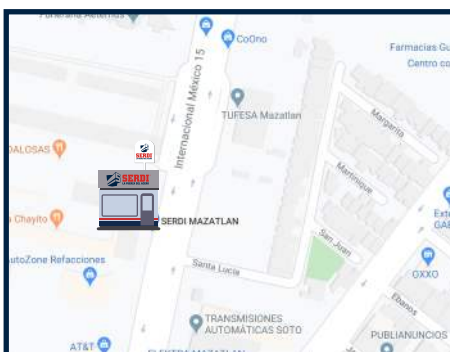
📍 **BLVD. JUAN S. MILLAN #716
PTE. COL. LAS PALMAS
GUASAVE, SINALOA.**



(687) 883 66 60 y (687) 833 66 61

MAZATLÁN

📍 **CARRETERA INTERNACIONAL KM.2
MAZATLÁN, SINALOA.**



(669) 984 95 00

FICHA TÉCNICA DE PERFILES RECTANGULARES

Número	Calibre	Longitud (mts.)	Kilogramo x metro	Kilogramo x pieza
R-100 (114)	20	6.00	0.52	3.120
	18	6.00	0.70	4.200
	16	6.00	0.86	5.16
	14	6.00	1.06	6.36
R-125 (113)	20	6.00	0.70	4.200
	18	6.00	0.94	5.640
	16	6.00	1.18	7.08
	14	6.00	1.46	8.76
R-175 (112)	20	6.00	0.88	5.280
	18	6.00	1.19	7.140
R-200 (146)	20	6.00	1.06	6.360
	18	6.00	1.44	8.640
	16	6.00	1.80	10.800
	14	6.00	2.24	13.440
	12	6.00	3.07	18.42
	11	6.00	3.16	18.960
R-225 (111)	20	6.00	1.06	6.360
	18	6.00	1.44	8.640
R-249 (158)	20	6.00	1.34	8.040
	18	6.00	1.81	10.860
	16	6.00	2.27	13.62
	14	6.00	2.84	17.04
	12	6.00	3.90	23.40
R-300 (173)	22	6.00	1.34	8.04
	20	6.00	1.61	9.660
	18	6.00	2.18	13.080
	16	6.00	2.75	16.5
	14	6.00	3.43	20.580
R-400 (172)	20	6.00	1.97	11.820
	18	6.00	2.68	16.080
	16	6.00	3.37	20.22
	14	6.00	4.22	25.320

Fabricado en base a la norma ASTM A500 o A513 según aplique.

FICHA TÉCNICA DE PERFILES CUADRADOS

NÚMERO	CALIBRE	ESPESOR (PULGADAS)	LONGITUD (MTS.)	KILOGRAMO X METRO	KILOGRAMO X PIEZA
C-050 (150)	22	0.0299	6.00	0.28	1.68
	20	0.0359	6.00	0.34	2.040
	18	0.0478	6.00	0.45	2.700
	16	0.0598	6.00	0.55	3.300
C-075 (110)	22	0.0299	6.00	0.44	2.640
	20	0.0359	6.00	0.52	3.120
	18	0.0478	6.00	0.70	4.200
	16	0.0598	6.00	0.86	5.160
	14	0.0747	6.00	1.06	6.360
C-100 (109)	20	0.0359	6.00	0.70	4.200
	18	0.0478	6.00	0.94	5.640
	16	0.0598	6.00	1.18	7.080
	14	0.0747	6.00	1.46	8.760
C-125 (108)	20	0.0359	6.00	0.88	5.280
	8	0.0478	6.00	1.19	7.140
	16	0.0598	6.00	1.49	8.940
	14	0.0747	6.00	1.85	11.100
C-150 (107)	20	0.0359	6.00	1.06	6.360
	18	0.0598	6.00	1.44	8.640
	16	0.0598	6.00	1.80	10.800
	14	0.0747	6.00	2.24	13.440
C-175 (175)	16	0.0598	6.00	2.12	12.720
	14	0.0747	6.00	2.64	15.840

SUCURALES:

BENITO JUAREZ

📍 BLVD. GABRIEL LEYVA #25 ESQUINA CON REVOLUCIÓN
COL. JUÁREZ, MAZATLÁN, SINALOA.



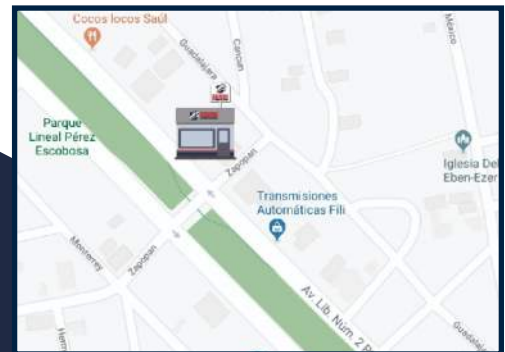
☎ (669) 984 95 00

JARIPILLO

📍 AV. ÓSCAR PÉREZ ESCOBOSA #2202,
COL. JARIPILLO MAZATLÁN, SINALOA.

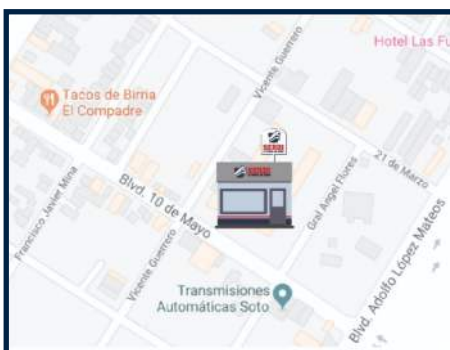


☎ (669) 127 64 90
y (669) 105 32 99



LOS MOCHIS

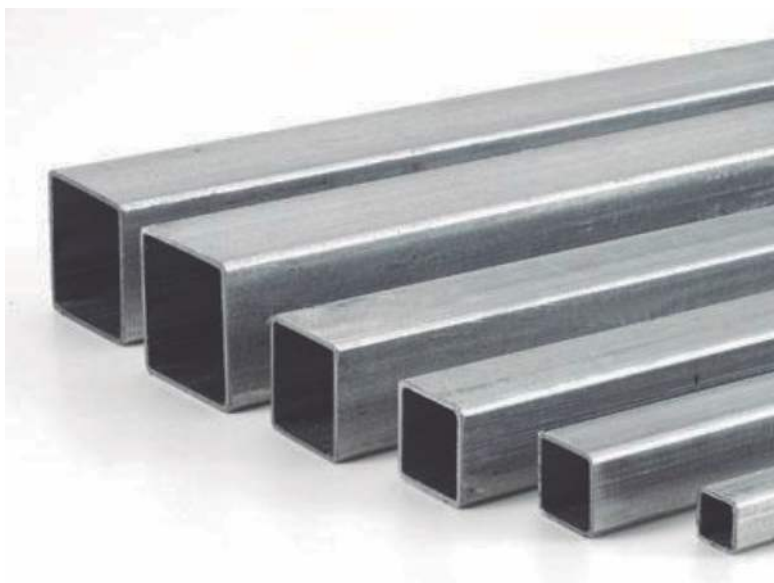
📍 AV. 10 DE MAYO #550 PTE., COL. EJIDO JIQUILPAN
LOS MOCHIS, SINALOA.



☎ (668) 812 12 40 y (668) 812 15 40

PTR ESTRUCTURAL CUADRADO

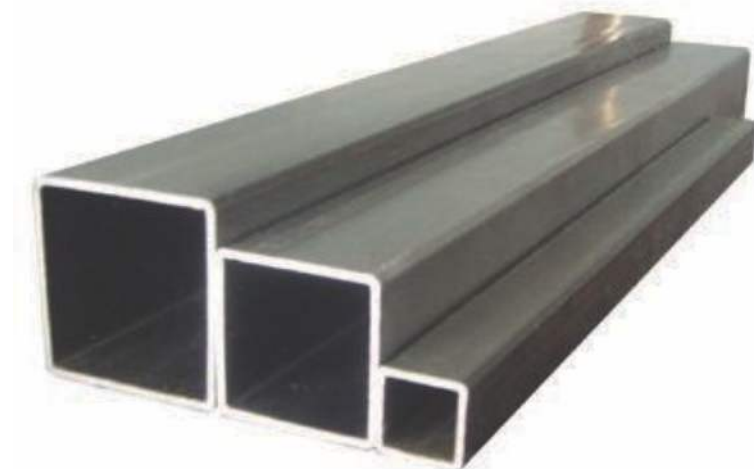
DIMENSIONES EXTERIORES		CALIBRE	ESPESOR		KILOGRAMO POR METRO
PULG.	MM		PULG.	MM	
1x1	25.4 x 25.4	13	0.0897	2.28	1.66
		12	0.1046	2.66	1.97
		11	0.1196	3.04	1.95
		10	0.1345	3.42	2.13
1 1/4 x 1 1/4	31.75 x 31.75	12	0.1046	2.66	2.52
		11	0.1196	3.04	2.56
		10	0.1345	3.42	2.81
1 1/2 x 1 1/2	38.10 x 38.10	12	0.1046	2.66	3.07
		11	0.1196	3.04	3.16
		10	0.1345	3.42	3.49
		9	0.1495	3.8	3.76
1 3/4 x 1 3/4	44.45 x 44.45	11	0.1196	3.04	3.77
2x2	50.80 x 50.80	12	0.1046	2.66	4.17
		11	0.1196	3.04	4.38
		10	0.1345	3.42	4.86
		3/16	0.1880	4.78	6.43
		1/4	0.2500	6.35	8.04
2 1/2 x 2 1/2	63.50 x 63.50	13	0.0897	2.28	4.39
		12	0.1046	2.66	5.27
		11	0.1196	3.04	5.59
		10	0.1345	3.42	6.22
		9	0.1495	3.8	6.76
		3/16	0.1880	4.78	8.33
		1/4	0.2500	6.35	10.57



FICHA TÉCNICA DE PERFILES CUADRADOS

DIMENSIONES EXTERIORES		CALIBRE	ESPESOR		KILOGRAMO POR METRO
PULG.	MM		PULG.	MM	
3 X 3	76.20 X 76.20	13	0.0897	2.28	5.30
		12	0.1046	2.66	6.38
		11	0.1196	3.04	6.81
		10	0.1345	3.42	7.59
		9	0.1495	3.80	8.26
		3/16	0.1880	4.78	10.24
		1/4	0.2500	6.35	13.10
3 1/2 X 3 1/2	88.90 X 88.90	11	0.1196	3.04	8.02
		9	0.1495	3.80	9.75
		3/16	0.1880	4.78	12.14
		1/4	0.2500	6.35	15.63
4 X 4	101.60 X 101.60	11	0.1196	3.04	9.23
		10	0.1345	3.42	10.32
		9	0.1495	3.80	11.25
		3/16	0.1880	4.78	14.04
		1/4	0.2500	6.35	18.60
4 1/2 X 4 1/2	114.3 X 114.3	11	0.1196	3.04	10.45
		3/16	0.1880	4.78	15.94
		1/4	0.2500	6.35	20.69
5 X 5	124 X 127	11	0.1196	3.04	11.66
		9	0.1495	3.80	14.25
		3/16	0.1880	4.78	17.85
		1/4	0.2500	6.35	23.22

Fabricado en base a la norma ASTM A500 o A513 según aplique.



FICHA TÉCNICA DE PERFILES CUADRADOS

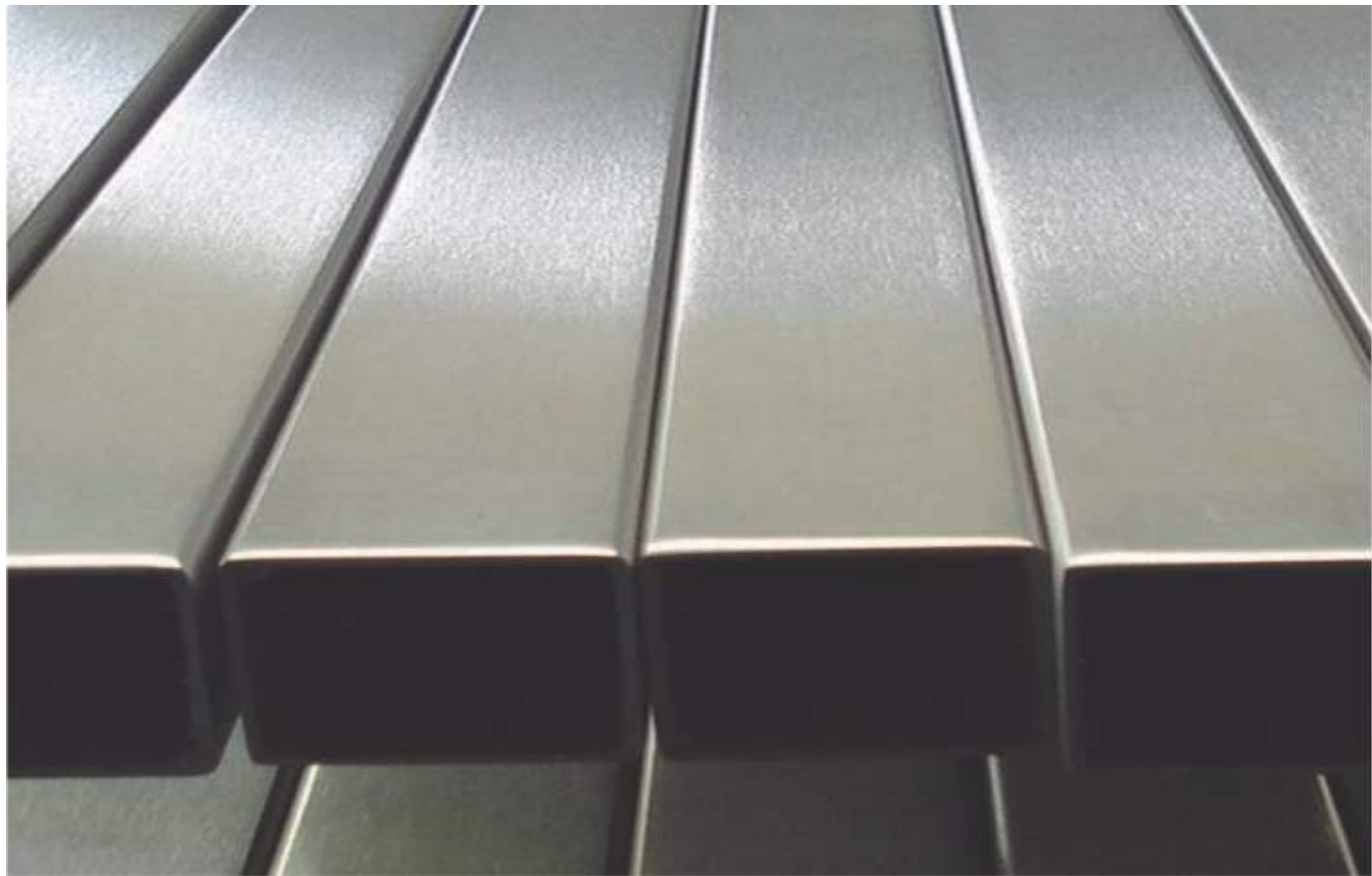
C-200 (200)	20	0.0359	6.00	143	8.580
	18	0.0478	6.00	194	11.640
	16	0.0598	6.00	243	14.580
	14	0.0747	6.00	3.03	18.180
C-225	16	0.0598	6.00	2.75	16.500
	14	0.0747	6.00	3.43	20.58
C-250 (250)	18	0.0478	6.00	2.43	14.58
	16	0.0598	6.00	3.06	18.360
	14	0.0747	6.00	3.82	22.920
	13	0.0987	6.00	4.39	26.34
	12	0.1046	6.00	5.27	31.620
	10	0.1192	6.00	6.22	37.320
	9	0.1345	6.00	6.76	40.560
	3/16	0.1495	6.10	8.33	50.813
	1/4	0.1880	6.10	10.57	64.477
C-300	14	0.0747	6.00	4.61	27.660
	12	0.1046	6.00	6.38	38.280
	3/16	0.1880	6.10	10.24	62.464
	1/4	0.2500	6.10	13.10	79.910
C-350	14	0.0747	6.00	5.40	32.40
	11	0.1196	6.00	8.02	48.12
	9	0.1495	6.00	9.75	58.50
	3/16	0.1880	6.10	12.14	74.05
	1/4	0.2500	6.10	15.63	95.64
C-400	14	0.0747	6.00	6.19	37.759 11
	6.00	0.1196		9.23	55.38
	10	0.1345	6.00	10.32	61.92
	9	0.1495	6.00	11.25	67.50
	3/16	0.1880	6.10	14.04	85.64
	1/4	0.2500	6.10	18.16	110.77

PTR ESTRUCTURAL RECTANGULAR

DIMENSIONES EXTERIORES		CALIBRE	ESPESOR		KILOGRAMO POR METRO
PULG.	MM		PULG.	MM	
1 1/2 X 3/4	38.10 X 19.05	11	0.1196	3.04	2.25
1 1/2 X 1	38.10 X 25.4	11	0.1196	3.04	2.56
2 X 1	50.80 X 25.4	12	0.1046	2.66	3.07
		11	0.1196	3.04	3.16
2 1/2 X 1 1/4	63.50 X 31.75	12	0.1046	2.66	3.90
2 1/2 X 1 1/2	63.50 X 38.10	12	0.1046	2.66	4.17
		11	0.1196	3.04	4.38
2 3/4 X 1	69.85 X 25.4	12	0.1046	2.66	3.90
		11	0.1196	3.04	4.07
3 X 1	76.20 X 25.4	11	0.1196	3.04	4.38
		10	0.1345	3.42	4.86
3 X 2	76.20 X 50.80	12	0.1046	2.66	5.27
		11	0.1196	3.04	5.59
		10	0.1345	3.42	6.22
		9	0.1495	3.8	6.76
		3/16	0.1880	4.78	8.33
		1/4	0.2500	6.35	10.57
4 X 2	101.60 X 50.80	14	0.0747	1.900	4.61
		11	0.1196	3.04	6.81
		10	0.1345	3.42	7.59
		9	0.1495	3.8	8.26
		3/16	0.1880	4.78	10.24
		1/4	0.2500	6.35	13.10
4 X 3	101.60 X 76.20	14	0.0747	1.900	5.40
		11	0.1196	3.04	8.02
		9	0.1495	3.8	9.75
		3/16	0.1880	4.78	12.14
		1/4	0.2500	6.35	15.63
5 X 2	127 X 50.80	11	0.1196	3.04	8.02
		3/16	0.1880	4.78	12.14
		1/4	0.2500	6.35	15.63
5 X 3	127 X 76.20	14	0.0747	1.900	6.19
		11	0.1196	3.04	9.23
		10	0.1345	3.42	10.32
		9	0.1495	3.8	11.25
		3/16	0.1880	4.78	14.04
		1/4	0.2500	6.35	18.16

DIMENSIONES EXTERIORES		CALIBRE	ESPESOR		KILOGRAMO POR METRO
PULG.	MM		PULG.	MM	
6 X 2	152.4 X 50.80	11	0.1196	3.04	9.23
		9	0.1495	3.8	11.25
		3/16	0.1880	4.78	14.04
		1/4	0.2500	6.35	18.16
6 X 3	152.4 X 76.20	11	0.1196	3.04	10.45
		9	0.1495	3.8	12.75
		3/16	0.1880	4.78	15.94
		1/4	0.2500	6.35	20.69
6 X 4	152.4 X 101.60	11	0.1196	3.04	11.66
		9	0.1495	3.8	14.25
		3/16	0.1880	4.78	17.85
		1/4	0.2500	6.35	23.22

Fabricado en base a la norma ASTM A500 o A513 según aplique.



PERFIL ESTRUCTURAL HSS: RECTANGULAR

DIMENSIÓN (b)x(h) Pulg.	ESPESOR (e) Pulg.	PESO		ÁREA cm	EJES X-XE			EJES Y- Y		
		Kg/m	lbs/pie		cm ⁴	cm	cm	cm ⁴	cm	cm
7" X 5"	3/16"	21.62	14.53	27.55	1,240.40	193.3	6.717	36.7	116	5.18
	1/4"	28.31	9.02	36.1	1,581.70	178.6	6.63	940.71	48.1	5.11
	5/16"	34.73	23.34	44.26	1,893.90	21.3	6.55	119.7	177	5.03
	3/8"	40.89	27.48	52.13	2,172.70	244.2	6.45	1,282	2016.6	4.95
	1/2"	52.44	35.24	67.1	2,643.102	96.6	6.3	1,548.40	244.2	4.83
8" X 4"	3/16"	21.62	14.53	27.55	1,469.30	144.7	7.32	449.59	8.7	4.27
	1/4"	28.3	19.02	36.1	1,877.20	185.2	7.216	36.8	126	4.19
	5/16"	34.73	23.34	44.26	2,243.50	221.2	7.11	753.41	48.3	4.11
	3/8"	40.89	27.48	52.13	2,576.50	254	7.03	857.4	168.8	4.06
	1/2"	52.44	35.24	67.1	3,125.90	308.1	6.83	1,023.90	201.6	3.91
10" X 2"	3/16"	21.62	14.53	27.55	1,818.901	43.2	8.13	130.75	1.5	2.18
	1/4"	28.3	19.02	36.1	2,310.10	181.98	7.98	160.36	3.1	2.11
	5/16"	34.73	23.34	44.26	2,751.30	261.3	7.871	84	72.4	2.04
	3/8"	40.89	27.48	52.13	3,136.40	247.5	7.77	201.9	79.5	1.97
8" X 6"	3/16"	25.42	17.08	32.39	1,9841	91.7	7.75	1,252.90	163.9	6.22
	1/4"	33.36	22.42	42.52	2,510.602	45.8	7.68	1,606.70	211.4	6.15
	5/16"	41.06	27.59	52.39	3,013.50	296.6	7.6	1,931.30	254	6.07
	3/8"	48.48	32.58	61.81	3,483.90	342.5	7.52	2,226.802	91	7.6
	1/2"	62.58	42.05	80	4,287.204	228	34	2,734.60	358.9	5.87
10" X 4"	3/16"	25.42	17.08	32.39	2,568.20	201.6	8.91	616.00	212.1	4.37
	1/4"	33.36	22.42	42.52	3,300.70	260.6	8.81	782.50	153.9	4.3
	5/16"	41.06	27.59	52.39	3,954.20	313	8.71	932.40	183.5	4.22
	3/8"	48.48	32.58	61.81	4,578.60	360.5	8.61	1,061.40	209.8	4.14
	1/2"	62.58	42.05	80	5,660.80	444.1	8.4	1,282	2 52.4	4.01
12" X 2"	3/16"	25.42	17.08	32.39	2,996.90	196.6	9.62	156.50	61.6	2.2
	1/4"	33.36	22.42	42.52	3,837.70	252.4	9.5	192.30	75.7	2.13
10" X 6"	3/16"	29.21	19.63	52.32	3,321.50	262.2	9.45	1,519.20	199.9	6.38
	1/4"	38.42	25.82	61.81	4,287.20	337.6	9.37	1,952.10	255.6	6.32
	5/16"	47.38	31.84	80	5,202.90	409.7	9.27	2,351.10	308.1	6.25
	3/8"	56.09	37.69	32.39	6,035.40	475.2	9.19	2,722.10	357.2	6.17
	1/2"	72.7	48.85	42.52	7,533.80	593.2	9.01	3,363.20	440.8	6.02

SUCURSALES:

ALAMOS

📍 BLVD. MACARIO GAXIOLA #1395 SUR. FRACC. ALAMOS
LOS MOCHIS, SINALOA.



☎ (668) 818 05 90 y (668) 818 02 90

LA INDEPENDENCIA

📍 AV. INDEPENDENCIA #1692 PTE.
LOS MOCHIS, SINALOA



☎ (668) 812 27 75 y (668) 668 69 98



HERMOSILLO

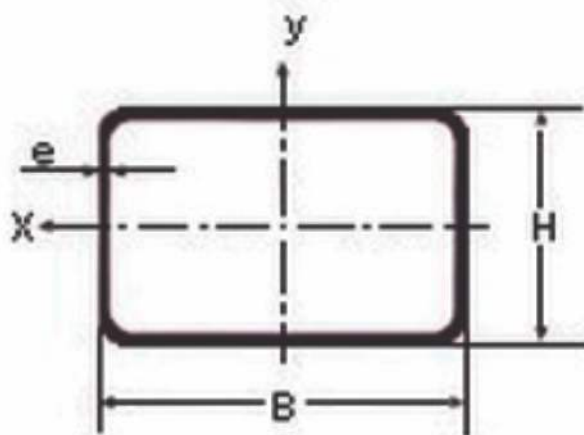
📍 BLVD. GARCÍA MORALES #935 PTE. COL. EL LLANO
HERMOSILLO, SONORA



☎ (662) 261 00 99

PERFIL ESTRUCTURAL HSS: RECTANGULAR

DIMENSIÓN (b)x(h)	ESPESOR (e)	PESO		ÁREA cm	EJES X-XE			EJES Y- Y		
		Kg/m	lbs/pie		cm ⁴	cm	cm	cm ⁴	cm	cm
18" X 6"	5/16"	72.71	48.86	110.32	22,726.20	994.70	15.67	4,037.40	529.3	6.6
	3/8"	86.46	58.1	144.52	26,680.40	1,168.40	15.57	4,703.40	616.2	6.53
	1/2"	113.2	76.07	92.9	34,047.70	1,489.60	15.37	5,868.90	773.5	6.4
20" X 4"	5/16"	72.71	48.86	110.32	24,807.40	976.70	16.36	1,818.90	357.2	4.42
	3/8"	86.46	58.1	144.52	29,094.60	1,145.50	16.26	2,093.60	411.3	4.37
	1/2"	113.2	76.07	92.9	37,201	1,456.80	16.03	2,564	504.7	4.22
16" X 12"	5/16"	85.36	57.36	110.32	26,430.70	1,301.10	15.6	17,023.90	1,117.60	12.52
	3/8"	101.66	68.31	144.52	31,134.10	1,532.20	15.51	20,062.40	1,315.90	12.45
	1/2"	133.46	89.68	92.9	40,041.50	1,966.50	15.34	25,723.10	1,687.90	12.28
20" X 8"	5/16"	85.36	57.36	110.32	34,880.20	1,373.20	17.9	8,407.90	825.90	8.79
	3/8"	101.66	68.31	144.52	41,123.70	1,619	17.83	9,823.10	968.50	8.71
	1/2"	133.46	89.68	109	52,861.40	2,081.20	17.63	12,486.90	1,230.70	8.59
20" X 12"	5/16"	98.03	65.87	129.68	44,953	1,769.80	18.93	20,603.50	1,352	12.85
	3/8"	116.85	78.52	170.32	53,227.60	2,097.50	18.9	24,266.30	1,593	12.76
	1/2"	153.73	103.3	109	68,678.20	2,703.90	18.72	31,217.40	2,048.40	12.62



PERFIL ESTRUCTURAL HSS: CUADRADO

DIMENSIÓN	ESPESOR	PESO	ÁREA	I	EJES XX	EJES YY
					S	R
PULG.	PULG.	KG/M	CM ²	CM ⁴	CM ⁴	CM
4" X 4"	3/16"	14.02	17.97	274.3	54.10	3.91
	1/4"	18.17	23.16	342.1	67.40	3.84
	5/16"	22.07	28.13	398.8	78.50	Ø
	3/8"	25.70	32.77	445.4	87.70	3.68
	1/2"	32.19	41.03	512	100.50	3.53
5" X 5"	3/16"	17.81	22.71	557.8	89.70	4.95
	1/4"	25.25	29.61	703.4	110.10	4.88
	5/16"	28.39	36.19	836.6	131.40	4.80
	3/8"	33.29	42.45	949	149.30	4.72
	1/2"	42.31	53.94	1,123.80	177.00	4.57
6" X 6"	3/16"	21.62	27.55	990.6	130.00	5.99
	1/4"	28.30	36.10	1,261.20	165.50	5.92
	5/16"	34.73	44.26	1,510.90	198.30	5.84
	3/8"	40.89	52.13	1,731.50	227.80	5.77
	1/2"	52.44	67.10	2,102.00	275.30	5.61
7" X 7"	3/16"	25.42	32.39	1,602.50	180.30	7.04
	1/4"	33.36	42.52	2,056.20	231.10	6.96
	5/16"	41.06	52.32	2,476.60	278.60	6.88
	3/8"	48.48	61.81	2,859.50	321.20	6.81
	1/2"	62.58	80.00	3,251.30	396.60	6.65
8" X 8"	3/16"	29.21	37.23	2,422.50	239.30	8.08
	1/4"	38.42	48.97	3,125.90	308.10	8.00
	5/16"	47.38	60.39	3,783.50	372.00	7.92
	3/8"	56.09	71.61	4,412.10	432.60	7.85
	1/2"	72.70	92.90	5,452.60	539.10	7.69
10" X 10"	1/4"	48.56	61.87	6,285.00	493.30	10.10
	5/16"	60.05	76.77	7,617.00	601.40	9.98
	3/8"	71.28	90.97	8,907.00	703.00	9.91
	1/2"	92.95	118.71	11,280.00	881.20	9.75
12" X 12"	1/4"	58.68	74.87	11,030.00	722.70	12.14
	5/16"	72.71	92.90	13,486.00	884.90	12.06
	3/8"	86.46	110.32	15,817.00	1,039.00	12.00
	1/2"	113.20	144.52	20,187.00	1,325.70	11.84
14" X 14"	5/16"	85.36	109.00	21,727.00	1,222.50	14.15
	3/8"	101.66	129.68	25,598.00	1,440.40	14.07
	1/2"	133.46	170.32	32,924.00	1,851.70	13.92
16" X 16"	5/16"	98.03	152.16	32,841.00	1,615.80	16.12
	3/8"	116.85	149.00	38,751.00	1,900.90	16.12
	1/2"	153.73	196.13	44,948.00	2,450.00	15.98

Fabricado en base a la norma ASTM A500 o A513 según aplique.

En largo de 6.10 y 12.20m.

PERFIL TABLEROS

TIPO	CALIBRE	ESPESOR		KG/MT	LONG. (M.)	LONG. (FT.)	ANCHO EN CM.	ALTO EN CM.	TIPO
		PULG.	MM.						
147	20	0.036	0.91	6.7	1.9509	6.4'	13		A
					2.440	8'	91	3	A
					3.0509	10'	13		A
					0.9109	3'	13		L
					1.9509	6.4'	13		L
					2.440	8'	91	3	L
					3.0509	10'	13		L
148	20	0.036	0.91	6.7	1.830	6'	1025	1	LC
	22	0.030	0.76	5.7	1.830	6'	1025	1	LC
	20	0.036	0.91	6.7	1.219	4'	1025	1	LC
	22	0.030	0.76	5.7	0.9101	3'	02	5	LC
					1.980	6.5'		1	LC
149	20	0.036	0.91	6.7	2.440	8'	91	13	A
					3.0509	10'	11	3	A
					0.9108	3'2	21	3	L
					1.9508	6.4'	21	3	L
					2.440	8'	82	13	L
					3.0508	10'	21	3	L
					0.9108	3'	21	3	LC
					1.9508	6.4'	21	3	LC
					2.440	8'	82	13	LC
					3.0508	10'	21	3	LC

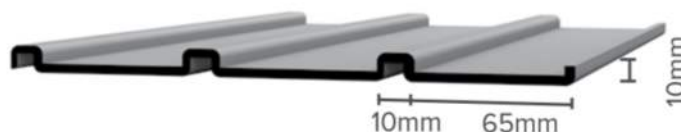
TIPOS

L (LARGO ESTÁNDAR)
LC (LARGO CONTINUAR)
A (ANCHO ESTÁNDAR)

PERFIL 147



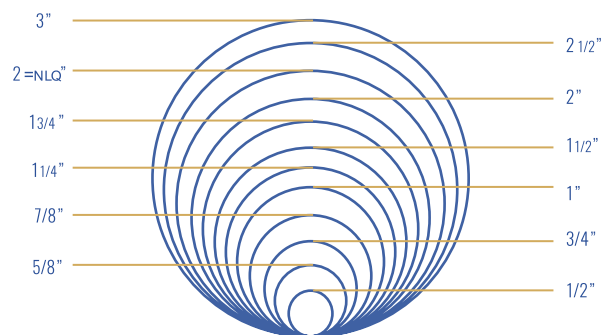
PERFIL 149



TUBO MOFLE INDUSTRIAL

DIÁMETRO EXTERIOR		CALIBRE (NOMINAL)	ESPESOR (PULGADAS)	LONGITUD (METROS)	KILOGRAMO POR METRO	PIEZAS X PAQUETE
PLG.	MM.					
1/2	0.500	20	0.0359	6.03	0.27	228
		18	0.0478	6.03	0.35	228
5/8"	0.625	20	0.0359	6.03	0.34	216
		18	0.0478	6.03	0.45	216
3/4"	0.750	20	0.0359	6.03	0.41	186
		18	0.0478	6.03	0.55	186
		16	0.0598	6.03	0.68	186
7/8"	0.875	20	0.0359	6.03	0.48	180
		18	0.0478	6.03	0.64	180
		16	0.0598	6.03	0.8	180
		14	0.0747	6.03	0.99	169
1"	1.000	20	0.0359	6.03	0.55	137
		18	0.0478	6.03	0.74	137
		16	0.0598	6.03	0.92	137
1 1/4"	1.250	20	0.0359	6.03	0.69	124
		18	0.0478	6.03	0.93	124
		16	0.0598	6.03	1.17	124
		14	0.0747	6.03	1.45	127
1 1/2"	1.500	20	0.0359	6.03	0.83	95
		18	0.0478	6.03	1.13	95
		16	0.0598	6.03	1.42	95
		14	0.0747	6.03	1.76	91
1 3/4"	1.750	20	0.0359	6.03	0.98	69
		18	0.0478	6.03	1.33	69
		16	0.0598	6.03	1.66	69
		14	0.0747	6.03	2.07	61
1 7/8"	1.875	20	0.0359	6.03	1.05	95
		12	0.1046	6.03	3.06	
2"	2.000	20	0.0359	6.03	1.12	67
		18	0.0478	6.03	1.52	67
		16	0.0598	6.03	1.91	67
		14	0.0747	6.03	2.38	61
2 1/8"	2.125	14	0.0747	6.03	2.54	61
2 1/4"	2.250	18	0.0478	6.03	1.71	60
		16	0.0598	6.03	2.16	60
		14	0.0747	6.03	2.69	61
2 3/8"	2.375	12	0.1046	6.1	3.93	
		10	0.1345	6.4	5.24	
2 1/2"	2.500	18	0.0478	6.03	1.91	60
		16	0.0598	6.03	2.4	60
		14	0.0747	6.03	3	61
2 3/4"	2.750	11	0.1196	6.03	5.02	30
2 7/8"	2.875	12	0.1046	6.1	4.79	
		9	0.1495	6.4	6.41	
		3/16	0.188	6.4	8.03	
3"	3.000	18	0.0478	6.03	2.3	39
		16	0.0598	6.03	2.9	39
		14	0.0747	6.1	3.62	37

ESPECIFICACIONES



L (LARGO ESTÁNDAR) = 6.00 MTS.
T.P. (TROQUELADO PROFUNDO)
C.C. (CALIDAD COMERCIAL)



TUBERÍA EN DIÁMETROS MAYORES

ESPESOR		0.172	0.188	0.203	0.219	0.250	0.281	0.312	0.322	0.330	0.344	0.365
		11/64	3/16	13/64	7/32	1/4	9/32	5/16	C/40	21/64	11/32	C/40
DIÁMETRO NÓMINAL	DIÁMETRO EXTERIOR	KILOGRAMOS / METROS										
6"	6.625	17.67	19.27	20.76	22.31	25.36	Δ28.26	31.32			34.34	
8"	8.625		25.26	27.22	29.28	33.31		41.24	Δ42.55		45.34	
10"	10.750		31.62	34.08	36.67	41.75					56.96	Δ60.29
12"	12.750		37.62	40.55	43.63	49.71	55.75	61.69		□ 65.18	67.90	
14"	14.000		41.35		47.99	+54.69	61.35	67.90			74.76	
16"	16.000		47.35	51.06	54.96	+62.84	70.30	77.83			85.71	
18"	18.000					+70.6	79.24	87.75			96.66	
20"	20.000					+78.55	88.19	97.67			107.60	
24"	24.000					+94.46	106.08	117.51			129.50	
30"	30.000					118.33	132.91	+147.28			173.34	
36"	36.000					142.13	159.97	+176.96			195.11	
48"	48.000										260.85	

ESPESOR		0.375	0.406	0.438	0.469	0.500	0.562	0.625	0.688	0.750	0.812	0.875
		3/8	C/40	7/16	15/32	1/2	C/40	5/8	C/80	3/4	C/60	XXS
DIÁMETRO NÓMINAL	DIÁMETRO EXTERIOR	KILOGRAMOS / METROS										
	6.625	37.28										
8"	8.625	49.20										
10"	10.750			71.87								
12"	12.750	Δ 73.78	79.70	85.82								
14"	14.000	□Δ 81.25	87.79	94.55	100.94							
16"	16.000	□Δ 93.27	100.70	108.49	115.86	123.30						
18"	18.000	Δ 105.1	113.62	□122.43	130.78	139.20	155.87					
20"	20.000	Δ 117.02	126.53	136.37	145.70	□155.12						
24"	24.000	Δ 140.88	152.37	164.26	175.54	186.94	□209.5	232.66	255.24			
30"	30.000	Δ 176.84	191.11	206.09	220.30	234.67	263.12	□292.18	320.93	349.02	376.98	405.54
36"	36.000	Δ 212.59	229.76	247.31	264.94	282.27	316.11	□351.7	386.45	420.42	454.27	488.86
48"	48.000	Δ284.24	307.30	331.52	354.52	377.79	423.94	471.14	517.92	563.70	609.36	656.06

CÉDULA 10+ CÉDULA 20 CÉDULA 30* CÉDULA 40# ESTÁNDARΔ
 * PESOS TEÓRICOS SUJETOS A UNA VARIACIÓN DE +/- 5%

TUBO MECÁNICO ESTRUCTURAL

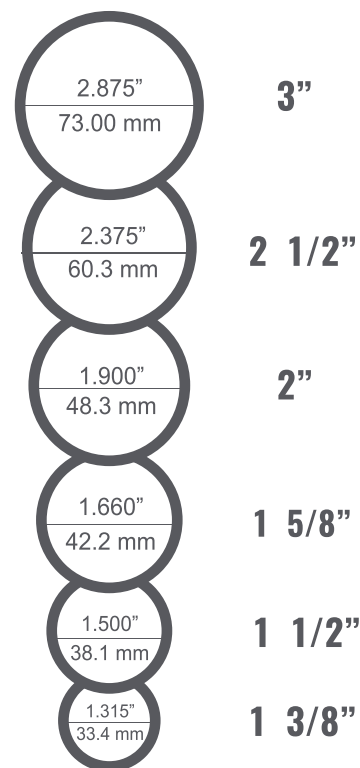
DIÁMETRO NOMINAL	DIÁMETRO REAL (LN)	CÉDULA 30				CÉDULA 40				CÉDULA X			
		CALIBRE	LONGITUD (METROS)	KG X METRO	KG X PIEZA	CALIBRE	LONGITUD (METROS)	KG X METRO	KG X PIEZA	CALIBRE	LONGITUD (METROS)	KG X METRO	KG X PIEZA
1/2"	0.840"	14	6.10	0.95	5.795	12	6.40	1.27	8.1286	13	6.40	1.07	.848
3/4"	1.050"	14	6.10	1.21	7.381	12	6.40	1.63	10.432	-	-	-	-
1"	1.315"	14	6.10	1.532	9.333	0-	6.40	.53-	16.192	-	-	-	-
1 1/4"	1.660"	13	6.10	2.25	13.725	0-	6.40	3.27	20.928	-	-	-	-
1 1/2"	1.900"	13	6.10	2.593	15.799	10	6.40	.79-	24.256	-	-	-	-
2"	2 3/8"	12	6.10	3.93	23.973	9-	6.40	5.24-	33.536	-	-	-	-
2 1/2"	2 7/8"	12	6.10	4.79	29.219-	-6	-6	-	-	9	.40	.41	41.024
3"	3 1/2"	11	6.10	6.45	39.345	43	6.40	11.67	74.688	/16"	6.40	9.90	63.360
4"	4 1/2"	11	6.10	8.35	50.935	43	6.40	15.241	97.536	/16"	6.40	2.88	82.432
6"	6 5/8"	3/16	6.10	19.23	117.3031	.280"-	6.40	28.24	80.736	-	-	-	-

PESOS TEÓRICOS SUJETOS A UNA VARIACIÓN DE +/-5% EN CALIBRES 11 Y MÁS DELGADOS. PESOS TEÓRICOS SUJETOS A UNA VARIACIÓN DE +/- 10% EN CALIBRES DE 10 Y MÁS GRUESOS.

TUBO CERQUERO GALVANIZADO

DIÁMETRO NOMINAL	DIÁMETRO COMERCIAL		CALIBRE	ESPESOR MM	PESO KG/ML	PESO KG/PZA
	PULGADAS	MILÍMETROS				
3"	2.875	73.0	14	1.92	3.42	20.52
			16	1.54	2.78	16.68
			18	1.24	2.23	13.38
2 1/2"	2.375	60.3	14	1.92	2.84	17.04
			16	1.54	2.29	13.74
			18	1.24	1.85	11.10
2"	1.900	48.3	14	1.92	2.27	13.62
			16	1.54	1.83	10.98
			18	1.24	1.48	8.88
			20	0.93	1.13	6.78
			22	0.798	0.97	5.80
1 5/8"	1.660	42.2	18	1.24	1.29	7.74
			20	0.93	0.98	5.88
1 1/2"	1.500	38.1	18	1.24	1.16	6.96
			20	0.93	0.89	5.34
			22	0.798	0.76	4.56
1 3/8"	1.315	33.4	18	1.24	1.02	6.12
			20	0.93	0.77	4.62

DIÁMETRO



LARGO ESTÁNDAR: 6.00 MTS.

TUBO DE ACERO GALVANIZADO A BASE DE UNA CAPA G-60 (0.60Z/PIE2) EQUIVALENTE A 0.183 KG/M2 POR AMBAS CARAS. METALIZADO A BASE DE ZINC EN LA COSTURA DE LA SOLDADURA.

TUBO GALVANIZADO

DIÁMETRO	CÉDULA	DIÁMETRO EXTERIOR NOMINAL		ESPESOR NOMINAL		PRESIÓN HIDROSTÁTICA		PESO			
PULG.		PULG.	MM.	PULG.	MM.	LB/IN ²²	KG/CM	LP/PIE	KG/M	KGX 6.40M	LBX21PIE
1/2"	40	0.840	21.34	0.1097	2.77	00	49	0.85	1.27	8.11	17.887
	80	0.840	21.34	0.147	3.73	850	60	1.09	1.62	10.37	22.869
3/4"	40	1.0500	26.67	0.113	2.87	7001	49	1.13	1.68	0.78	23.769
	80	1.0500	26.67	0.154	3.91	850	60	1.48	2.20	14.05	30.976
1"	40	1.3150	33.40	0.133	3.38	7001	49	1.68	2.50	6.01	35.291
	80	1.3150	33.40	0.179	4.55	850	60	2.17	3.24	20.70	45.649
1 1/4"	40	1.660	42.16	0.1401	3.56	2002	84	2.27	3.39	1.67	47.771
	80	1.660	42.16	0.191	4.85	1800	126	3.00	4.46	28.57	62.987
1 1/2"	40	1.9000	48.26	0.145	3.68	1200	84	2.72	4.05	25.91	57.127
	80	1.900	48.26	0.200	5.08	1800	126	3.36	5.41	34.62	76.327
2"	40	2.3750	60.33	0.154	3.91	23003	162	3.66	5.44	4.83	76.783
	80	2.3750	60.33	0.218	5.54	25004	176	5.03	7.48	7.88	105.561
2 1/2"	40	2.8750	73.03	0.203	5.16	1950	137	5.80	8.63	55.23	121.767
	NX	2.8750	73.03	0.156	3.96	25004	176	4.53	6.75	3.19	95.221
3"	40	3.5000	88.90	0.216	5.49	22007	155	7.58	11.29	2.23	159.241
	NX	3.5000	88.90	0.170	4.32	1930	136	6.05	9.01	57.64	127.084
4"	40	4.5000	114.30	0.237	6.02	1900	134	10.80	16.07	102.87	226.809
	NX	4.500	114.30	0.188	4.78	1500	105	8.67	12.90	82.54	181.984
6"	40	6.625	168.28	0.280	7.11	1500	105	18.99	28.27	180.90	398.829
		6.625	168.28	0.219	5.56	1190	84	15.00	22.32	142.85	314.940

ASTM A53T

-200 = NX



SUCURSALES:

SOLIDARIDAD

📍 **BLVD. SOLIDARIDAD #805
COL. SOLIDARIDAD
HERMOSILLO, SONORA.**



☎ **(662) 118 67 67 y (662) 118 67 68**

AGUA PRIETA

📍 **CALLE #27 ESQUINA CON AV. 6
COL. EJIDAL #651
AGUAPRIETA, SONORA.**



☎ **(633) 121 22 22
y (633) 121 21 04**



GUAYMAS

📍 **BLVD. AGUSTÍN GARCÍA LÓPEZ #875 COL. DELICIAS
GUAYMAS, SONORA.**



☎ **(622) 222 20 11 y (622) 222 20 01**

POLÍN C

INFORMACIÓN POLÍN C									
PERFIL Y DESIGNACIÓN 	SECCIÓN	CALIBRE	PIEZA X PAQUETE	DIMENSIONES DE LAS SECCIONES				LONGITUD ESTANDAR DE FABRICACIÓN	PESO KG/M
	AXB PERALTE X ANCHO (PULGADAS)			A PERALTE (MM)	B ANCHO (MM)	C DOBLE Z (MM)	T EPESOR (MM)	M	
14EPC10	14 x 3.50	10	12	356	89	25	3.42	14.00	15.0
14EPC12	14 x 3.50	12	12	356	89	25	2.66	14.00	12.1
14EPC14	14 x 3.50	14	12	356	89	25	1.90	14.00	8.7
12EPC10	12 x 3.50	10	12	305	89	25	3.42	12.00	13.6
12EPC12	12 x 3.50	12	12	305	89	25	2.66	12.00	11.0
12EPC14	12 x 3.50	14	12	305	89	25	1.90	12.00	7.9
10EPC10	10 x 2.75	10	12	254	70	19	3.42	10.00	11.2
10EPC12	10 x 2.75	12	12	254	70	19	2.66	10.00	9.1
10EPC14	10 x 2.75	14	12	254	70	19	1.90	10.00	6.5
10EPC16	10 x 2.75	16	12	254	70	19	1.52	10.00	5.2
9EPC10	9 x 2.75	10	12	229	70	19	3.42	9.00	10.6
9EPC12	9 x 2.75	12	12	229	70	19	2.66	9.00	8.5
9EPC14	9 x 2.75	14	12	229	70	19	1.90	9.00	6.1
9EPC16	9 x 2.75	16	12	229	70	19	1.52	9.00	4.9
8EPC10	8 x 2.75	10	24	203	70	19	3.42	8.00	9.9
8EPC12	8 x 2.75	12	24	203	70	19	2.66	8.00	8.0
8EPC14	8 x 2.75	14	24	203	70	19	1.90	8.00	5.7
8EPC16	8 x 2.75	16	24	203	70	19	1.52	8.00	4.5
7EPC10	7 x 2.75	10	24	178	70	19	3.42	7.00	9.2
7EPC12	7 x 2.75	12	24	178	70	19	2.66	7.00	7.4
7EPC14	7 x 2.75	14	24	178	70	19	1.90	7.00	5.3
7EPC16	7 x 2.75	16	24	178	70	19	1.52	7.00	4.2
6EPC10	6 x 2.00	10	48	152	51	19	3.42	6.00	7.3
6EPC12	6 x 2.00	12	48	152	51	19	2.66	6.00	5.9
6EPC14	6 x 2.00	14	48	152	51	19	1.90	6.00	4.2
6EPC16	6 x 2.00	16	48	152	51	19	1.52	6.00	3.3
5EPC10	5 x 2.00	10	48	127	51	19	3.42	6.00	6.6
5EPC12	5 x 2.00	12	48	127	51	19	2.66	6.00	5.3
5EPC14	5 x 2.00	14	48	127	51	19	1.90	6.00	3.8
5EPC16	5 x 2.00	16	48	127	51	19	1.52	6.00	3.0
4EPC10	4 x 2.00	10	48	102	51	19	3.42	6.00	5.9
4EPC12	4 x 2.00	12	48	102	51	19	2.66	6.00	4.8
4EPC14	4 x 2.00	14	48	102	51	19	1.90	6.00	3.4
4EPC16	4 x 2.00	16	48	102	51	19	1.52	6.00	2.7
4EPC10	4 x 1.50	10	48	102	38	19	3.42	6.00	5.2
4EPC12	4 x 1.50	12	48	102	38	19	2.66	6.00	4.2
4EPC14	4 x 1.50	14	48	102	38	19	1.90	6.00	3.0
4EPC16	4 x 1.50	16	48	102	38	19	1.52	6.00	2.4
3EPC14	3 x 1.50	14	60	76	38	19	1.90	6.00	2.6
3EPC16	3 x 1.50	16	60	76	38	19	1.52	6.00	2.1

POLÍN Z

INFORMACIÓN POLÍN Z										
 PERFIL Y DESIGNACIÓN	SECCIÓN	CALIBRE	PIEZA X PAQUETE	DIMENSIONES DE LAS SECCIONES					LONGITUD ESTANDAR DE FABRICACIÓN M	PESO KG/M
	AXB PERALTE TOTAL X ANCHO TOTAL (PULGADAS)			A PERALTE (MM)	BS ANCHO MAX PATIN SUPERIOR (MM)	BI ANCHO MIN. PATIN INFERIOR (MM)	C DOBLE Z (MM)	T EPESOR (MM)		
14EPZ10	14 x 3.50	10	12	356	95	89	25	3.42	14.00	15.0
14EPZ12	14 x 3.50	12	12	356	95	89	25	2.66	14.00	12.1
14EPZ14	14 x 3.50	14	12	356	95	89	25	1.90	14.00	8.7
12EPZ10	12 x 3.50	10	12	305	95	89	25	3.42	12.00	13.6
12EPZ12	12 x 3.50	12	12	305	95	89	25	2.66	12.00	11.0
12EPZ14	12 x 3.50	14	12	305	95	89	25	1.90	12.00	7.9
10EPZ10	10 x 2.75	10	12	254	76	70	19	3.42	10.00	11.2
10EPZ12	10 x 2.75	12	12	254	76	70	19	2.66	10.00	9.1
10EPZ14	10 x 2.75	14	12	254	76	70	19	1.90	10.00	6.5
10EPZ16	10 x 2.75	16	12	254	76	70	19	1.52	10.00	5.2
9EPZ10	9 x 2.75	10	12	229	76	70	19	3.42	9.00	10.6
9EPZ12	9 x 2.75	12	12	229	76	70	19	2.66	9.00	8.5
9EPZ14	9 x 2.75	14	12	229	76	70	19	1.90	9.00	6.1
9EPZ16	9 x 2.75	16	12	229	76	70	19	1.52	9.00	4.9
8EPZ10	8 x 2.75	10	24	203	76	70	19	3.42	8.00	9.9
8EPZ12	8 x 2.75	12	24	203	76	70	19	2.66	8.00	8.0
8EPZ14	8 x 2.75	14	24	203	76	70	19	1.90	8.00	5.7
8EPZ16	8 x 2.75	16	24	203	76	70	19	1.52	8.00	4.5
7EPZ10	7 x 2.75	10	24	178	76	70	19	3.42	7.00	9.2
7EPZ12	7 x 2.75	12	24	178	76	70	19	2.66	7.00	7.4
7EPZ14	7 x 2.75	14	24	178	76	70	19	1.90	7.00	5.3
7EPZ16	7 x 2.75	16	24	178	76	70	19	1.52	7.00	4.2
6EPZ10	6 x 2.00	10	48	152	57	51	19	3.42	6.00	7.3
6EPZ12	6 x 2.00	12	48	152	57	51	19	2.66	6.00	5.9
6EPZ14	6 x 2.00	14	48	152	57	51	19	1.90	6.00	4.2
6EPZ16	6 x 2.00	16	48	152	57	51	19	1.52	6.00	3.3
5EPZ10	5 x 2.00	10	48	127	57	51	19	3.42	6.00	6.6
5EPZ12	5 x 2.00	12	48	127	57	51	19	2.66	6.00	5.3
5EPZ14	5 x 2.00	14	48	127	57	51	19	1.90	6.00	3.8
5EPZ16	5 x 2.00	16	48	127	57	51	19	1.52	6.00	3.0
4EPZ10	4 x 2.00	10	48	102	57	51	19	3.42	6.00	5.9
4EPZ12	4 x 2.00	12	48	102	57	51	19	2.66	6.00	4.8
4EPZ14	4 x 2.00	14	48	102	57	51	19	1.90	6.00	3.4
4EPZ16	4 x 2.00	16	48	102	57	51	19	1.52	6.00	2.7
4EPZ10	4 x 1.50	10	48	102	44	38	19	3.42	6.00	5.2
4EPZ12	4 x 1.50	12	48	102	44	38	19	2.66	6.00	4.2
4EPZ14	4 x 1.50	14	48	102	44	38	19	1.90	6.00	3.0
4EPZ16	4 x 1.50	16	48	102	44	38	19	1.52	6.00	2.4

LÁMINA ROLADO EN CALIENTE DECAPADA Y SIN DECAPAR

CALIBRE	ESPESOR		KG/HOJA						PESO
	PULG.	MM.	3'X8'	3'X10'	4'X8'	4'X10'	5'X10'	5'X20'K	G/M ²
8	0.165	4.191	74.13	92.66	98.84	123.55	154.44	308.88	33.25
9	0.150	3.810	67.39	84.24	89.86	112.32	—	—	30.23
10	0.135	3.429	60.65	75.82	80.87	101.09	126.36	252.72	27.2
11	0.120	3.048	53.91	67.39	71.88	89.86	112.32	224.64	24.18
12	0.105	2.667	47.17	58.97	62.90	78.62	98.28	196.56	21.16
13	0.090	2.286	40.44	50.54	53.91	67.39	—	—	18.14
14	0.075	1.905	33.70	42.12	44.93	56.16	70.20	140.40	15.11
16	0.060	1.524	26.96	33.70	35.94	44.93	—	—	12.09

LÁMINA ROLADO EN FRÍO

CALIBRE	ESPESOR		KG/HOJA				PESO
	PULG.	MM.	3'X8'	3'X10'	4'X8'	4'X10'	KG/M ²
14	0.075	1.905	33.70	42.12	44.93	56.161	5.11
16	0.060	1.524	26.96	33.70	35.94	44.93	12.09
18	0.048	1.219	21.57	26.96	28.75	35.94	9.67
20	0.036	0.914	16.17	20.22	21.57	26.96	7.25
22	0.030	0.762	13.48	16.85	17.97	22.46	6.05
24	0.024	0.610	10.78	13.48	14.38	17.97	4.84

LÁMINA ANTIDERRAPANTE

CALIBRE	ESPESOR		KG / HOJA			
	PULG	MM.	3'x8'	3'x10'	4'x8'	4'x10'
14	0.075	1.905	40.80	51.00	54.40	68.00
12	0.105	2.667	57.12	71.41	76.17	95.21
11	0.120	3.04	64.84	81.05	86.45	108.06
1/8	0.125	3.175	—	83.81	—	111.74
10	0.135	3.42	74.11	92.64	98.82	123.52
3/16	0.188	4.775	94.81	118.51	126.41	158.01
1/4	0.25	6.35	122.54	153.18	163.39	204.24
3/8	0.375	9.529	—	—	—	296.65

PLACA DE GRADO (A-36)

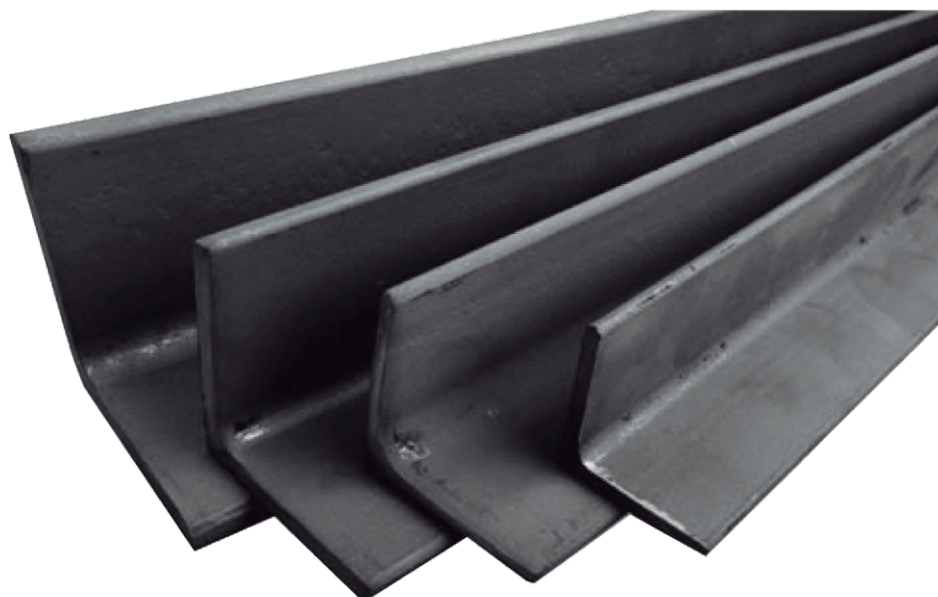
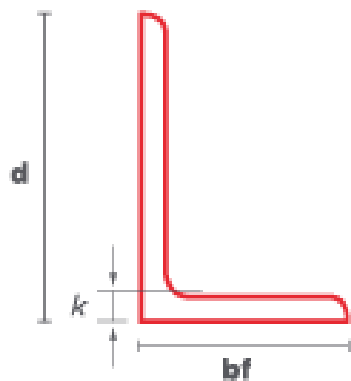
A-36, A-283 C, A-285 C, A-516 70, A-572 50, A-572 65, SAE 1045														
ESPESOR		PESO		PESOS POR PLACA EN KILOS										
PULG.	MM.	KG/M ²	KG/PIE ²	3'X6'	3'X8'	3'X10'	4'X8'	4'X10'	5'X10'	5'X20'	6'X20'	6'X40'	8'X20'	8'X40'
3/16"	4.8	37.78	3.51	---	84	105	112	140	176	351	421	---	562	1,123
1/4"	6.3	50.38	4.68	---	112	140	150	187	234	468	562	---	749	1,498
5/16"	7.9	62.97	5.85	---	140	176	187	234	293	585	702	---	936	---
3/8"	9.5	75.56	7.02	---	168	211	225	281	351	702	842	1,685	1,123	2,246
7/16"	11.1	88.16	8.19	---	---	246	---	---	---	---	983	---	---	---
1/2"	12.7	100.75	9.36	---	225	281	300	374	468	936	1,123	2,246	1,498	2,995
9/16"	14.3	113.34	10.53	---	---	316	---	---	---	---	1,264	---	---	---
5/8"	15.9	125.94	11.7	211	281	351	374	468	585	1,170	1,404	2,808	1,872	3,744
3/4"	19	151.13	14.04	253	337	421	449	562	702	1,404	1,685	3,370	2,246	4,493
7/8"	22.2	176.31	16.38	---	---	491	---	---	---	---	1,966	---	2,621	---
1"	25.4	201.5	18.72	337	449	562	599	749	936	1,872	2,246	4,493	2,995	5,990
1 1/8"	28.6	226.69	21.06	---	---	632	---	---	---	---	2,527	---	3,370	6,739
1 1/4"	31.7	251.88	23.4	---	562	702	749	936	1,170	2,340	2,808	5,616	3,744	7,488
1 3/8"	34.9	277.06	25.74	---	---	---	---	---	---	---	---	---	4,118	---
1 1/2"	38.1	302.25	28.08	---	674	842	899	1,123	1,404	2,808	3,370	---	4,493	---
1 5/8"	41.3	327.44	30.42	---	---	---	---	---	---	---	---	---	4,867	---
1 3/4"	44.4	352.63	32.76	---	---	938	---	---	1,872	---	3,931	---	5,242	---
2"	50.8	403	37.44	---	899	1,123	1,198	1,498	---	3,744	4,493	---	5,990	11,980
2 1/4"	57.1	453.38	42.12	---	---	1,264	---	1,685	---	---	5,054	---	6,739	---
2 1/2"	63.5	503.75	46.80	---	---	1,404	---	1,872	---	---	5,616	---	7,488	---
2 3/4"	69.8	554.13	51.48	---	---	---	---	---	---	---	---	---	8,237	---
3"	76.2	604.5	56.16	---	---	1,685	---	2,246	---	---	6,739	---	8,986	---
3 1/2"	88.9	705.25	65.52	---	---	---	---	---	---	6,552	7,935	---	10,483	---
4"	101.6	806	74.88	---	---	---	---	---	---	7,448	9,069	---	11,981	---
4 1/2"	114.3	906.75	84.24	---	---	---	---	---	---	---	---	---	13,478	---
5"	127	1007.5	93.6	---	---	---	---	---	---	---	---	---	14,976	---
5 1/2"	139.7	1108.25	102.96	---	---	---	---	---	---	---	---	---	16,474	---

ÁNGULOS DE LADOS DESIGUALES

DIMENSIONES		PESO		ÁREA	PROPIEDADES								
					EJE X - X				EJE Y - Y				EJE Z - Z
					L	R	S	Y	L	R	S	X	R.MIN
PULG.	MM.	KG/M	KG/PZA.	CM ²	CM ⁴	CM	CM ³	CM	CM ⁴	CM	CM ³	CM	CM
4X3X1/4	101X76.2X6.3	8.63	52.64	10.90	115.30	3.25	16.39	3.15	56.60	2.26	9.83	1.88	1.65
4X3X5/16	101X76.2X7.9	10.72	65.39	13.48	140.70	3.23	20.16	3.20	68.70	2.25	11.96	1.93	1.65
4X3X3/8	101X76.2X9.5	12.65	77.17	16.00	164.80	3.20	23.93	3.25	79.90	2.23	14.26	1.98	1.62
4X3X7/16	101X76.2X11.1	14.58	86.94	18.51	188.10	3.18	27.53	3.30	90.70	2.21	16.22	2.03	1.62
4X3X1/2	101X76.2X12.7	16.52	100.77	20.96	210.20	3.16	30.97	3.88	100.70	2.19	18.36	2.11	1.62
4X3X5/8	101X76.2X15.9	20.24	123.46	25.67	251.00	3.12	37.69	3.48	119.50	2.15	22.13	2.21	1.62
6X4X5/16	152X101X7.9	15.19	92.66	19.44	472.70	4.93	45.58	4.87	173.10	2.98	22.10	2.33	2.24
6X4X3/8	152X101X9.5	18.31	111.69	23.29	560.60	4.91	54.40	4.93	203.90	2.96	26.22	2.39	2.23
6X4X7/16	152X101X11.1	21.28	129.81	26.97	643.50	4.88	62.76	4.98	233.10	2.94	30.31	2.44	2.21
6X4X1/2	152X101X12.7	24.11	147.07	30.65	723.80	4.86	70.96	5.05	261.00	2.92	34.08	2.51	2.21
6X4X5/8	152X101X15.9	29.76	181.54	37.81	877.00	4.82	87.02	5.16	313.00	2.88	41.62	2.62	2.18

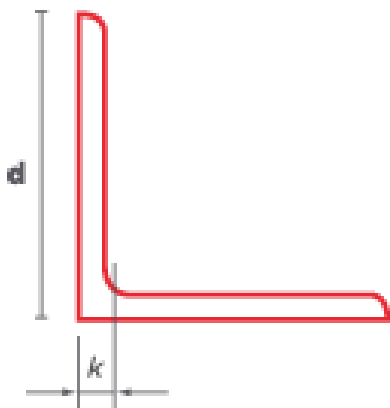
En caso de necesitar otra medida consultar con su asesor de ventas.

Largo 6.10 mt (20')



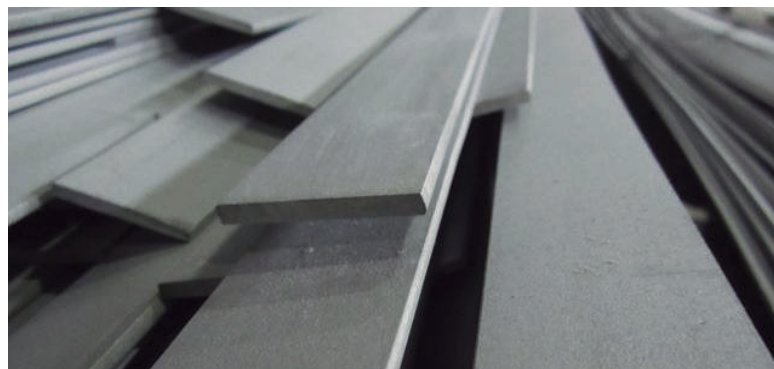
ÁNGULOS DE LADOS IGUALES

ESPESOR	ANCHO	ESPESOR	ANCHO	PESO
PULGADA		MM		KG /M
1/8	X 3/4	3.2	X 19.0	0.88
	X 1		X 25.4	1.19
	X 1 1/4		X 31.7	1.50
	X 1 1/2		X 38.1	1.83
	X 2		X 50.8	2.46
3/16	X 1	4.6	X 25.4	1.73
	X 1 1/4		X 31.7	2.20
	X 1 1/2		X 38.1	2.68
	X 1 3/4		X 44.4	3.15
	X 2		X 50.8	3.63
	X 2 1/2		X 63.5	4.57
	X 3		X 76.2	5.52
1/4	X 1	6.3	X 25.4	2.22
	X 1 1/4		X 31.7	2.86
	X 1 1/2		X 38.1	3.48
	X 2		X 50.8	4.75
	X 2 1/2		X 63.5	6.10
	X 3		X 76.2	7.29
	X 4		X 101.6	9.82
5/16	X 3	7.9	X 76.2	9.08
	X 4		X 101.6	12.20
	X 6		X 152.4	18.30
3/8	X 2	9.5	X 50.8	6.99
	X 2 1/2		X 63.5	8.78
	X 3		X 76.2	10.71
	X 4		X 101.6	14.58
	X 5		X 127.0	18.30
	X 6		X 152.4	22.17



SOLERAS

A 610 MTS(20 PIES)



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

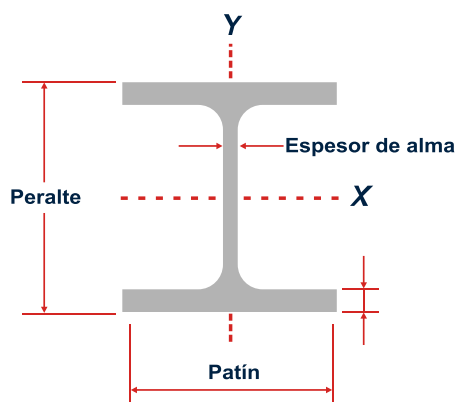
SE MANEJAN EN ACERO A-36

PULGAD A		MM		KG/M
1/2	X 1	12.7	X 25.4	2.53
	X 1 1/2		X 38.1	3.79
	X 2		X 50.8	5.06
	X 2 1/2		X 63.5	6.32
	X 3		X 76.2	7.59
	X 4		X 101.6	10.13
	X 5		X 127.0	12.66
	X 6		X 152.4	15.18
	X 8		X 203.2	20.24
	X 10		X 254.0	25.33
X 12	X 304.8	30.36		
5/8	X 3	15.9	X 76.2	9.49
	X 4		X 101.6	12.66
	X 5		X 127.0	15.83
	X 6		X 152.4	18.99
	X 8		X 203.2	25.33
	X 10		X 254.0	31.66
	X 12		X 304.8	37.97
3/4	X 2	19.0	X 50.8	7.59
	X 2 1/2		X 63.5	9.49
	X 3		X 76.2	11.40
	X 4		X 101.6	15.18
	X 5		X 127.0	18.99
	X 6		X 152.4	22.80
	X 8		X 203.2	30.36
	X 10		X 254.0	37.97
	X 12		X 304.8	45.59
	1		X 2	25.4
X 3		X 76.2	15.18	
X 4		X 101.6	20.27	
X 6		X 152.4	30.36	
X 8		X 203.2	40.53	
X 10		X 254.0	50.65	
X 12		X 304.8	60.71	



VIGAS IPR

DIMENSIONES		PESO		PERALTE		ANCHO DEL PATÍN		ESPESOR DEL PATÍN		ESPESOR DEL ALMA	
PULG.	MM	KG/MT	LBS/FT	PULG.	MM	PULG.	MM	PULG.	MM	PULG.	MM
4"x4"	101.6 X 101.6	19.3	13	4.16	106	4.06	103	0.35	8.9	0.28	7.1
6"x4"	152.4 X 101.6	12.7	8.5	5.83	148	3.94	100	0.19	4.8	0.17	4.3
		13.4	9	5.90	150	3.94	100	0.22	5.6	0.17	4.3
		17.9	12	6.03	153	4.00	102	0.28	7.1	0.23	5.8
		23.8	16	6.28	160	4.03	102	0.41	10.4	0.26	6.6
6"x6"	152.4 X 152.4	22.3	15	5.99	152	5.99	152	0.26	6.6	0.23	5.8
		29.8	20	6.20	157	6.02	153	0.37	9.4	0.26	6.6
		37.2	25	6.38	162	6.08	154	0.46	11.7	0.32	8.1
8"x4"	203.2 X 101.6	14.9	10	7.89	200	3.94	100	0.21	5.3	0.17	4.3
		19.3	13	7.99	203	4.00	102	0.26	6.6	0.23	5.8
		22.3	15	8.11	206	4.02	102	0.32	8.1	0.25	6.3
8"x5 1/4"	203.2 X 133.3	26.8	18	8.14	207	5.25	133	0.33	8.4	0.23	5.8
		31.3	21	8.28	210	5.27	134	0.40	10.2	0.25	6.3
8"x6 1/2"	203.2 X 165.1	35.7	24	7.93	201	6.50	165	0.40	10.2	0.25	6.3
		41.7	28	8.06	205	6.54	166	0.47	11.9	0.29	7.4
8"x8"	203.2 X 203.2	46.1	31	8.00	203	8.00	203	0.44	11.2	0.29	7.4
		52.1	35	8.12	206	8.02	204	0.50	12.7	0.31	7.9
		59.5	40	8.25	210	8.07	205	0.56	14.2	0.36	9.1
		71.4	48	8.50	216	8.11	206	0.69	17.4	0.40	10.2
10"x4"	254.0 X 101.6	17.9	12	9.87	251	3.96	101	0.21	5.3	0.19	4.8
		22.3	15	9.99	254	4.00	102	0.27	6.9	0.23	5.8
		25.3	17	10.11	257	4.01	102	0.33	8.4	0.24	6.1
		28.3	19	10.24	260	4.02	102	0.40	10.2	0.25	6.3
10"x5 3/4"	254.0 X 146.0	32.7	22	10.17	258	5.75	146	0.36	9.1	0.24	6.1
		38.7	26	10.33	262	5.77	147	0.44	11.2	0.26	6.6
		44.6	30	10.47	266	5.81	148	0.51	13	0.30	7.6
10"x8"	254.0 X 203.2	49.1	33	9.73	247	7.96	202	0.44	11.2	0.29	7.4
		58.0	39	9.92	252	7.99	203	0.53	13.5	0.32	8.1
		67.0	45	10.10	257	8.02	204	0.62	15.7	0.35	8.9
10"x10"	254.0 X 254.0	72.9	49	9.98	253	10.00	254	0.56	14.2	0.34	8.6



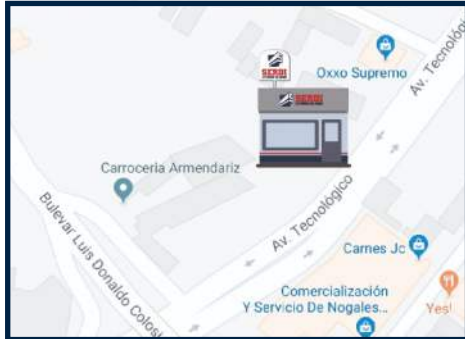
VIGAS IPR

DIMENSIONES		PESO		PERALTE		ANCHO DE P ATÍN		ESPESOR DE P ATÍN		ESPESOR DEL ALMA	
PULG.	MM.	KG/MT	LBS/FT	PULG.	MM.	PULG.	MM.	PULG.	MM.	PULG.	MM.
10" X 10"	254.0 X 254.0	80.4	54	10.09	256	10.03	255	0.62	15.7	0.37	9.4
		101.2	68	10.40	264	10.13	257	0.77	19.6	0.47	11.9
12" X 4"	304.8 X 101.6	20.8	14	11.91	303	3.97	101	0.23	5.8	0.20	5.1
		23.8	16	11.99	305	3.99	101	0.27	6.9	0.22	5.6
		28.3	19	12.16	309	4.01	102	0.35	8.9	0.24	6.1
		32.7	22	12.31	313	4.03	102	0.43	10.9	0.26	6.6
12" X 6 1/2"	304.8 X 165.1	38.7	26	12.22	310	6.49	165	0.38	9.7	0.23	5.8
		44.6	30	12.34	313	6.52	166	0.44	11.2	0.26	6.6
		52.1	35	12.50	317	6.56	167	0.52	13.2	0.30	7.6
12" X 8"	304.8 X 203.2	59.5	40	11.94	303	8.01	203	0.52	13.2	0.30	7.6
		67.0	45	12.06	306	8.05	204	0.58	14.7	0.34	8.6
		74.4	50	12.19	310	8.08	205	0.64	16.3	0.37	9.4
12" X 10"	304.8 X 254.0	78.9	53	12.06	306	10.00	254	0.58	14.7	0.35	8.9
		86.3	58	12.19	310	10.01	254	0.64	16.3	0.36	9.1
12" X 12"	304.8 X 304.8	96.7	65	12.12	308	12.00	305	0.61	15.5	0.39	9.9
		107.1	72	12.25	311	12.04	306	0.67	17.0	0.43	10.9
		117.6	79	12.38	314	12.08	307	0.74	18.8	0.47	11.9
		142.9	96	12.71	323	12.16	309	0.90	22.9	0.55	14.0
14" X 5"	355.6 X 127	32.7	22	13.74	349	5.00	127	0.34	8.6	0.23	5.8
		38.7	26	13.91	353	5.03	128	0.42	10.7	0.26	6.6
14" X 6 3/4"	355.6 X 171.4	44.6	30	13.84	352	6.73	171	0.39	9.9	0.27	6.9
		50.6	34	13.98	355	6.75	171	0.46	11.7	0.29	7.4
		56.5	38	14.10	358	6.77	172	0.52	13.2	0.31	7.9
14" X 8"	355.6 X 203.2	64.0	43	13.66	347	8.00	203	0.53	13.5	0.31	7.9
		71.4	48	13.79	350	8.03	204	0.6	15.2	0.34	8.6
		78.9	53	13.92	354	8.06	205	0.66	16.8	0.37	9.4
14" X 10"	355.6 X 254.0	90.8	61	13.89	353	10.00	254	0.65	16.5	0.38	9.7
		101.2	68	14.04	357	10.04	255	0.72	18.3	0.42	10.7
		110.1	74	14.17	360	10.07	256	0.79	20.1	0.45	11.4
		122.0	82	14.31	363	10.13	257	0.86	21.8	0.51	13.0
14" X 14 1/2"	355.6 X 368.3	133.9	90	14.02	356	14.52	369	0.71	18.0	0.44	11.2
		147.3	99	14.16	360	14.57	370	0.78	19.8	0.49	12.4
		162.2	109	14.32	364	14.61	371	0.86	21.8	0.53	13.5
		178.6	120	14.48	368	14.67	373	0.94	23.9	0.59	15.0
		196.4	132	14.66	372	14.73	374	1.03	26.2	0.65	16.5
14" X 16"	355.6 X 406.4	215.8	145	14.78	375	15.50	394	1.09	27.7	0.68	17.3
		236.6	159	14.98	380	15.57	395	1.19	30.2	0.75	19.0
		261.9	176	15.22	387	15.65	398	1.31	33.3	0.83	21.1
		287.2	193	15.48	393	15.71	399	1.44	36.6	0.89	22.6
		314.0	211	15.72	399	15.80	401	1.56	39.6	0.98	24.9
		346.7	233	16.04	407	15.89	404	1.72	43.7	1.07	27.2
16" X 5 1/2"	406.4 X 139.70	38.7	26	15.69	399	5.50	140	0.35	8.9	0.25	6.3
		46.1	31	15.88	403	5.53	140	0.44	11.2	0.28	7.1
16" X 7"	406.4 X 177.8	53.6	36	15.86	403	6.99	178	0.43	10.9	0.30	7.6
		59.5	40	16.01	407	7.00	178	0.51	13.0	0.31	7.9
		67.0	45	16.13	410	7.04	179	0.57	14.5	0.35	8.9
		74.4	50	16.26	413	7.07	180	0.63	16.0	0.38	9.7
		84.8	57	16.43	417	7.12	181	0.72	18.3	0.43	10.9
16" X 10 1/4"	406.4 X 260.3	99.7	67	16.33	415	10.24	260	0.67	17.0	0.40	10.2
		114.6	77	16.52	420	10.30	262	0.76	19.3	0.46	11.7
18" X 6"	457.2 X 152	52.1	35	17.70	450	6.00	152	0.43	10.9	0.30	7.6
		59.5	40	17.90	455	6.02	153	0.53	13.5	0.32	8.1
		68.4	46	18.06	459	6.06	154	0.61	15.5	0.36	9.1
18" X 7 1/2"	457.2 X 190.5	74.4	50	17.99	457	7.50	190	0.57	14.5	0.36	9.1

SUCURSALES:

NOGALES

📍 AV. TECNOLÓGICO #675 COL. LA GRANJA
NOGALES, SONORA.



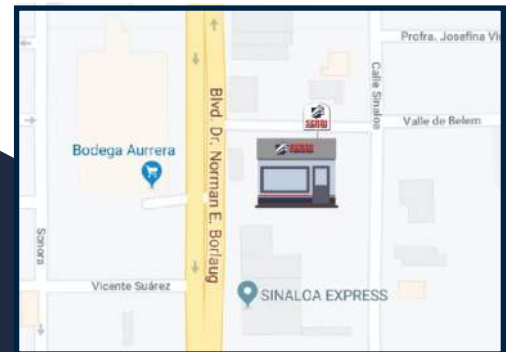
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OBREGÓN

📍 DR. NORMAN E. BORLAUG #3317 SUR
COL. MUNICIPIO LIBRE
OBREGON, SONORA

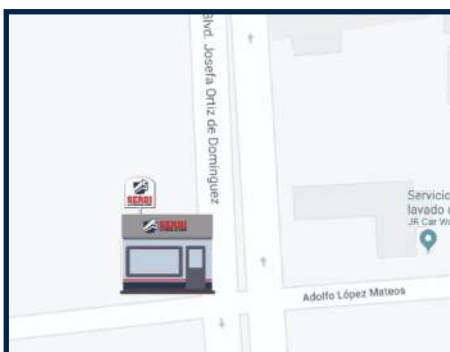


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PUERTO PEÑASCO

📍 JOSEFINA ORTIZ DE DOMINGUEZ #252 Y LOPEZ MATEOS
PUERTO PEÑASCO, SONORA

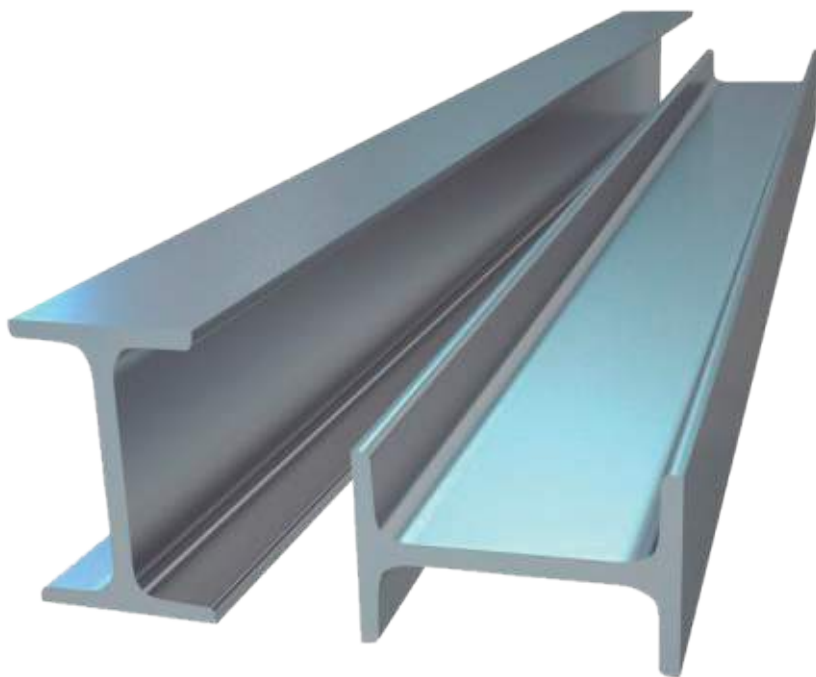
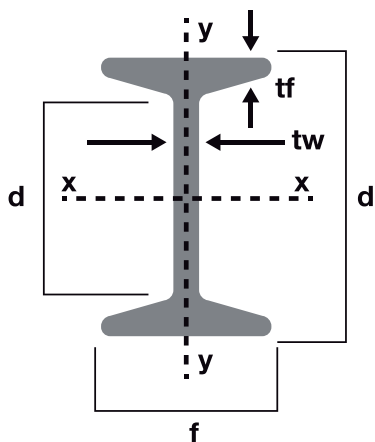


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VIGAS IPR

DIMENSIONES		PESO		PERALTE		ANCHO P ATÍN		ESPESOR DE P ATÍN		ESPESOR DEL ALMA	
PULG.	MM.	KG/MT	LBS/FT	PULG.	MM.	PULG.	MM.	PULG.	MM.	PULG.	MM.
18" X 7 1/2 "	457.2X190.5	81.8	55	18.11	460	7.53	191	0.63	16.0	0.39	9.9
		89.3	60	18.24	463	7.56	192	0.70	17.8	0.42	10.7
		96.7	65	18.35	466	7.59	193	0.75	19.0	0.45	11.4
		105.6	71	18.47	469	7.64	194	0.81	20.6	0.50	12.7
18" X 11"	457.2X279.4	113.1	76	18.21	463	11.04	280	0.68	17.3	0.43	10.9
		128.0	86	18.39	467	11.09	282	0.77	19.6	0.48	12.2
		144.3	97	18.59	472	11.15	283	0.87	22.1	0.54	13.7
		157.7	106	18.73	476	11.20	284	0.94	23.9	0.59	15.0
		177.1	119	18.97	482	11.27	286	1.06	26.9	0.66	16.8
21" X 6 1/2"	533.4X165.1	65.5	44	20.66	525	6.50	165	0.45	11.4	0.35	8.9
		74.4	50	20.83	529	6.53	166	0.54	13.7	0.38	9.7
21" X 8 1/4"	533.4X209.5	92.3	62	20.99	533	8.24	209	0.62	15.7	0.40	10.2
		101.2	68	21.13	537	8.27	210	0.69	17.5	0.43	10.9
		123.5	83	21.43	544	8.36	212	0.84	21.3	0.52	13.2
		138.4	93	21.62	549	8.42	214	0.93	23.6	0.58	14.7
21" X 12 1/4"	533.4X311.1	150.3	101	21.36	543	12.29	312	0.80	20.3	0.50	12.7
		165.2	111	21.51	546	12.34	313	0.88	22.4	0.55	14.0
		181.5	122	21.68	551	12.39	315	0.96	24.4	0.60	15.2
24" X 7"	609.6X177.8	81.8	55	23.57	599	7.01	178	0.51	13.0	0.40	10.2
		92.3	62	23.74	603	7.04	179	0.59	15.0	0.43	10.9
24" X 9"	609.6X228.6	101.2	68	23.73	603	8.97	228	0.59	15.0	0.42	10.7
		113.1	76	23.92	608	8.99	228	0.68	17.3	0.44	11.2
		125.0	84	24.10	612	9.02	229	0.77	19.6	0.47	11.9
		139.9	94	24.31	617	9.07	230	0.88	22.4	0.52	13.2
		153.3	103	24.53	623	9.00	229	0.98	24.9	0.55	14.0
		154.8	104	24.06	611	12.75	324	0.75	19.0	0.50	12.7
24" X 12 3/4"	609.6X323.8	174.1	117	24.26	616	12.80	325	0.85	21.6	0.55	14.0
		194.9	131	24.48	622	12.86	327	0.96	24.4	0.61	15.5
		217.3	146	24.74	628	12.90	328	1.09	27.7	0.65	16.5
		125.0	84	26.71	678	9.96	253	0.64	16.3	0.46	11.7
27" X 10"	685.8X254	139.9	94	26.92	684	9.99	254	0.75	19.0	0.49	12.4
		151.8	102	27.09	688	10.02	255	0.83	21.1	0.52	13.2
		169.6	114	27.29	693	10.07	256	0.93	23.6	0.57	14.5
		217.3	146	27.38	695	13.97	355	0.98	24.9	0.61	15.5
27" X 14"	685.8X355.6	239.6	161	27.59	701	14.02	356	1.08	27.4	0.66	16.8
		133.9	90	29.53	750	10.40	264	0.61	15.5	0.47	11.9
30" X 10 1/2"	762X266.7	147.3	99	29.65	753	10.45	265	0.67	17.0	0.52	13.2
		160.7	108	29.83	758	10.48	266	0.76	19.3	0.55	14.0
		172.6	116	30.01	762	10.50	267	0.85	21.6	0.57	14.5
		175.6	118	32.86	835	11.48	292	0.74	18.8	0.55	14.0
33" X 11 1/2"	838.2X292.1	193.4	130	33.09	840	11.51	292	0.86	21.8	0.58	14.7
		209.8	141	33.30	846	11.54	293	0.96	24.4	0.61	15.5
		200.9	135	35.55	903	11.95	304	0.79	20.1	0.60	15.2
36" X 12"	914.4X304.8	223.2	150	35.85	911	11.98	304	0.94	23.9	0.63	16.0
		238.1	160	36.01	915	12.00	305	1.02	25.9	0.65	16.6
40" X 12"	1016X304.8	221.7	149	38.20	970	11.81	300	0.83	21.1	0.63	16.0

VIGAS IPS



PERALTE		PESO		ANCHO DE PATÍN		ANCHO DE ALMA	
PULG.	MM.	KG/MT	LBS/FT	PULG.	MM.	PULG.	MM.
3	76.2	8.48	5.7	2.33	59	0.17	4
4	101.6	11.46	7.7	2.66	68	0.19	5
5	127.0	14.88	10.0	3.00	76	0.21	5
6	152.4	18.60	12.5	3.33	85	0.23	6
8	200.0	26.20	17.6	3.54	90	0.30	7

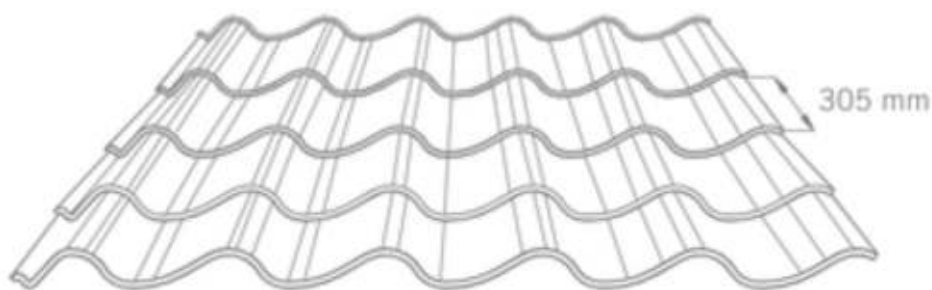


GALVATEJA



GALVATEJA				
CALIBRE	PODER C (cm)	PERALTE (mm)	PRESENTACIÓN	PESO POR METRO
26	100	42	P	4.8

Poder C = Poder Cubriente
P = Pintro



CARACTERÍSTICAS DEL PRODUCTO

Diseño de Teja tipo española

Pendiente mínima de 25%

Pendiente recomendada 30%

Puede ser instalado sobre polines de acero, paneles de madera y losa de concreto.

SUCURALES:

MEXICALI

📍 CALZADA LAZARO CARDENAS #4199
COL. ISLAS AGRARIAS "A"
MEXICALI, BAJA CALIFORNIA NORTE.



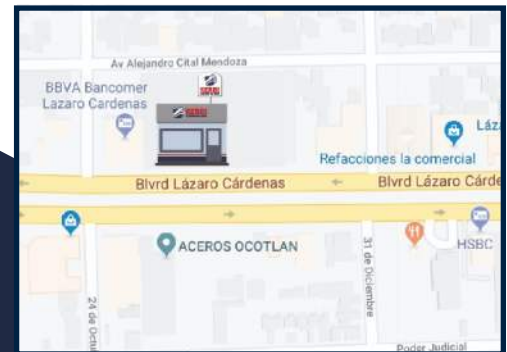
☎ (686) 580 75 55 y (686) 580 75 21

INDEPENDENCIA

📍 BLVD. LÁZARO CÁRDENAS #1123
COL. INDEPENDENCIA
MEXICALI, BAJA CALIFORNIA NORTE.

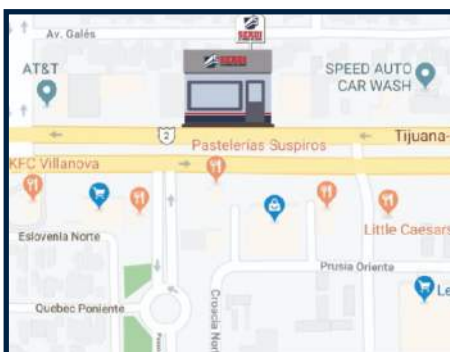


☎ (686) 565 55 03



VILLA FONTANA

📍 BLVD. LAZARO CARDENAS #1101 FRACC. VILLA FONTANA
MEXICALI, BAJA CAIFORNIA.

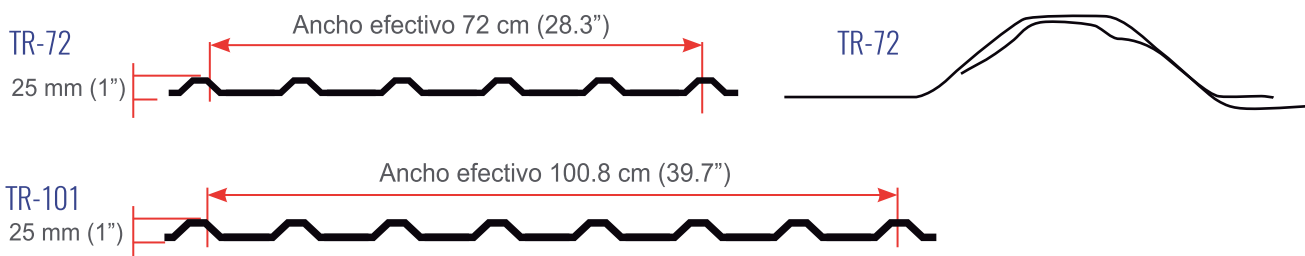


☎ (686) 757 72 22

LÁMINA ACANALADA TR-72; TR-101; TO-100; TO-725

TR-72			
Calibr e	Espesor nominal acero base plg. TR-72(mm)	Peso aprox. Kg/ ml TR-72	Peso aprox. Kg/m 2 TR-72
32**	0.0097 (0.2464)	2.02	2.81
30	0.0120 (0.3048)	2.44	3.39
28	0.0149 (0.3785)	2.97	4.13
26	0.0179 (0.4547)	3.52	4.89
24	0.0209 (0.5309)	4.06	5.65
22*	0.0299 (0.7595)	5.64	7.82

TR-101			
Calibr e	Espesor nominal acero base plg. TR-101	Peso aprox. Kg/ml TR-101	Peso aprox. Kg/m 2 TR-101
30*	0.0120 (0.3048)	3.10	3.07
28	0.0149 (0.3785)	3.96	3.92
26	0.0179 (0.4547)	4.69	4.64
24	0.0209 (0.5309)	5.42	5.37
22	0.0299 (0.7595)	7.61	7.52
20*	0.0359 (0.9119)	8.91	8.82



TO-100				
Calibre	Espesor nominal acero base plg. TR-100(mm)	Peso aprox. Kg/ml TO-100	Peso aprox. Kg/m 2 TO-100	
			Muro	Cubierta
28	0.0149 (0.3785)	3.96	3.83	4.15
26	0.0179 (0.4547)	4.69	4.54	4.92
24	0.0209 (0.5309)	5.42	5.25	5.68
22*	0.0299 (0.7595)	7.45	7.22	7.84

TO-725			
Calibre	Espesor nominal acero base plg. TR-725(mm)	Peso aprox. Kg/ml TO-725	Peso aprox. Kg/m 2 TO-725
30*	0.0120 (0.3048)	2.44	3.41
28	0.0149 (0.3785)	2.97	4.16
26*	0.0179 (0.4547)	3.52	4.93

*Sólo se fabrica bajo consulta técnica.

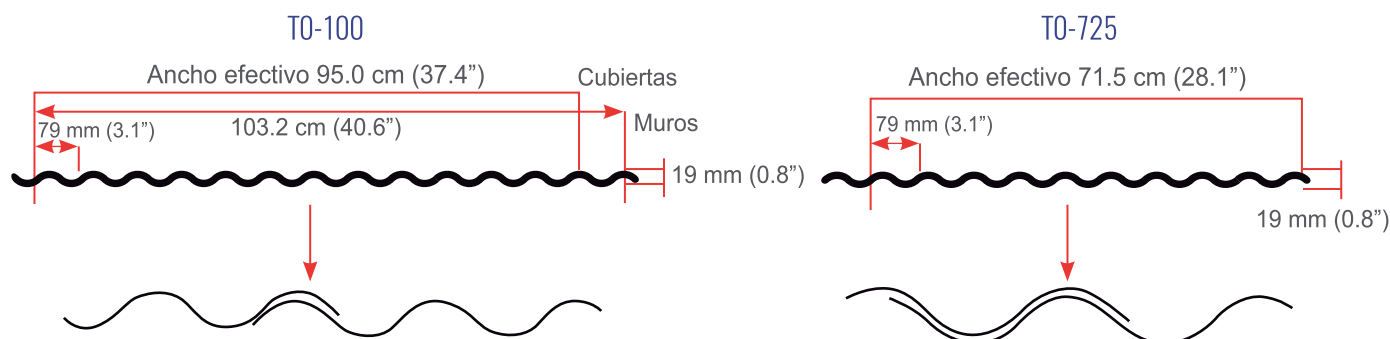


LÁMINA ACANALADA TRN-100/35

Calibre	Espesor nominal acero base plg. (mm)	Peso aprox. Kg/ml	Peso aprox. Kg/m 2
26	0.0179 (0.4547)	4.69	4.69
24	0.0209 (0.5309)	5.42	5.42
22□	0.0299 (0.7595)	7.45	7.45

P = Pintro

ZA = Zintro alum

Z = Zintro

***** = Calibres bajo consulta



LOSACERO 36/30

Propiedades de la sección		
Calibre	Espesor de Diseño (Pulgadas)	Peso (kg/m ²)
24	0.0239	6.73
22	0.0295	8.31
20	0.0358	10.09
18	0.0474	13.35

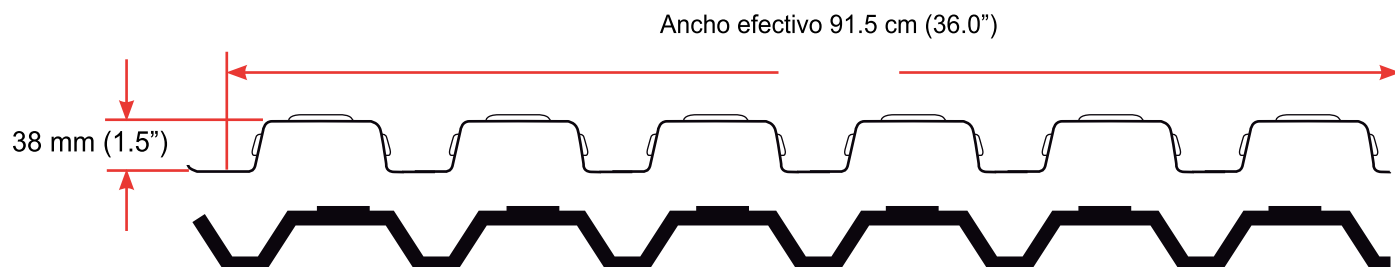


LOSACERO 36/15

Propiedades de la sección		
Calibre	Espesor de Diseño (Pulgadas)	Peso (kg/m')
24	0.0239	6.72
22	0.0295	8.33
20	0.0358	10.02
18	0.0474	13.14

* Sólo se fabrica bajo consulta técnica

**Calibre 24 no incluido por SDI (Steel Deck Institute) para aplicaciones de losa compuesta



CARACTERÍSTICAS DEL PRODUCTO

Este sistema, además de tener una excelente resistencia estructural, disminuye los tiempos de construcción generando ahorro en mano de obra, tiempo y renta de equipo.

Actúa como acero de refuerzo positivo y cimbra.

Se puede aplicar con vigas trabajando como sección compuesta.

Los relieves longitudinales formados en los paneles de cada canal de losacero actúan como conector mecánico que los unen al concreto, evitando la separación vertical.

Reemplaza la cimbra de madera convencional eliminando en algunos casos el apuntalamiento temporal.

SUCURALES:

ENSENADA

📍 AV. REFORMA NO.130
FRACC. LOMA LINDA
ENSENADA, B.C.N



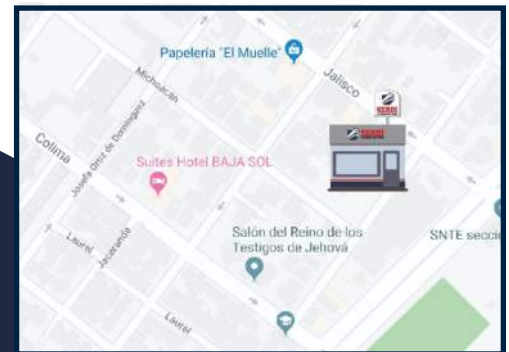
☎ (646) 182 92 60 y (646) 173 87 92

LA PAZ

📍 BLVD. AGUSTIN OLACHEA ENTRE
JALISCO Y COLIMA S/N LOTE #6
LA PAZ, BAJA CALIFORNIA SUR



☎ (612) 122 50 50
y (612) 122 44 00



CABO SAN LUCAS

📍 CALLE. LEONA VICARIO COL. LAS LAGUNITAS CABO SAN LUCAS,
BAJA CALIFORNIA SUR



☎ 624 146 64 00 Y 624 146 65 00

LÁMINA GALVANIZADA LISA

CALIBRE	PULG.	MM.	TOLERANCIA EN PULG.	PESO X HOJA EN KG.					KG X ML	
				3' X 6'	3' X 8'	3' X 10'	4' X 8'	4' X 10'	3'	4'
10	0.1345	3.42	0.006	44.76	60.44	75.56	-----	-----	24.78	-----
12	0.1046	2.66	0.006	35.35	47.14	58.93	62.85	78.58	19.33	25.77
14	0.0762	1.94	0.006	25.36	33.81	42.26	45.08	56.35	13.86	18.48
16	0.0613	1.56	0.005	20.40	27.20	34.00	36.27	45.33	11.15	14.87
18	0.0493	1.25	0.004	16.40	21.87	27.33	29.16	36.44	8.97	11.95
20	0.0374	0.95	0.003	12.4	16.57	20.72	22.10	27.62	6.80	9.06
22	0.0314	0.80	0.003	10.43	13.91	17.38	18.54	23.18	5.70	7.60
23	0.0250	0.64	0.003	8.29	11.06	13.82	14.74	18.43	4.53	6.04
24	0.0229	0.58	0.002	7.43	9.91	12.38	13.21	16.51	4.06	5.42
26	0.0194	0.49	0.002	6.43	8.57	10.72	11.43	14.29	3.52	4.69
28	0.0164	0.42	0.002	5.43	7.24	9.05	9.65	12.07	2.97	3.96
30	0.0135	0.34	0.002	4.46	5.95	7.43	-----	-----	2.44	-----
31	0.0120	0.30	0.0015	3.96	5.29	6.61	-----	-----	2.17	-----
32	0.0112	0.28	0.0015	3.70	4.93	6.17	-----	-----	2.02	-----



Los espesores y anchos aquí descritos se consideran estándar, para cualquier otro, favor de consultar el área comercial

SEMIFLECHA

FRACC. PULG.	ASW	DIÁMETRO		ML/KG	KG/1000 ML
		PULG.	MM	APROX.	APROX.
5/8		0.625	15.87	0.64	1553.00
9/16		0.562	14.28	0.79	1257.00
1/2		0.500	12.70	1.00	994.00
7/16		0.437	11.11	1.31	759.00
3/8		0.375	9.52	1.80	555.00
5/16		0.312	7.94	2.60	384.50
	0	0.306	7.78	2.71	369.00
	1	0.283	7.19	3.16	316.50
	2	0.262	6.67	3.67	272.40
1/4		0.250	6.35	4.05	247.20
	3	0.244	6.19	4.26	234.70
	4	0.225	5.72	4.98	200.60
	5	0.207	5.26	5.90	169.40
	6	0.192	4.88	6.86	145.70
	7	0.177	4.50	8.08	123.80
	8	0.162	4.11	9.64	103.70
	8 1/2	0.155	3.94	10.51	95.10
	9	0.148	3.77	11.50	86.90
	9 1/2	0.142	3.58	12.50	80.00
	10	0.135	3.43	13.88	72.00
	10 1/2	0.128	3.25	15.40	65.00
	11	0.120	3.06	17.42	57.40
	11 1/2	0.113	2.84	20.18	49.60
	12	0.105	2.68	22.73	44.00

6.10 M. DE LARGO



REDONDO

DIÁMETRO		PESO		ÁREA
MM.	PULGADA	KG/M	LB/PIE	CM ²
9.5	3/8	0.559	0.376	0.713
11.1	7/16	0.76	0.511	0.970
12.7	1/2	0.994	0.668	1.267
14.3	9/16	1.257	0.845	1.603
15.9	5/8	1.552	1.043	1.979
17.5	11/16	1.878	1.262	2.395
19.1	3/4	2.235	1.502	2.850
20.6	13/16	2.622	1.762	3.345
22.2	7/8	3.045	2.046	3.879
23.8	15/16	3.491	2.346	4.453
25.4	1	3.973	2.669	5.067
27.0	1 1/16	4.484	3.013	5.720
28.6	1 1/8	5.022	3.375	6.413
30.2	1 3/16	5.605	3.767	7.145
31.8	1 1/4	6.208	4.172	7.917
33.3	1 5/16	6.845	4.599	8.729
34.9	1 3/8	7.514	5.049	9.580
36.5	1 7/16	8.212	5.518	10.471
38.1	1 1/2	9.000	6.048	11.401
39.7	1 9/16	9.702	6.519	12.371
41.3	1 5/8	10.490	7.049	13.380
42.9	1 11/16	11.317	7.604	14.429
44.5	1 3/4	12.170	8.178	15.518
46.0	1 13/16	13.056	8.773	16.646
47.7	1 7/8	13.970	9.388	17.813
49.2	1 15/16	14.918	10.024	20.268
50.8	2	5.890	11.359	21.555
52.4	2 1/16	16.905	11.359	21.555
63.5	2 1/2	24.8	54.750	21.555

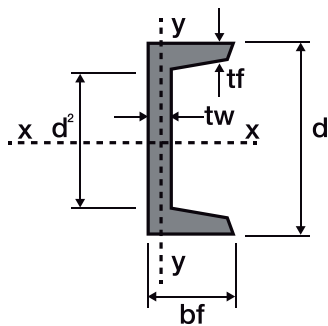
CUADRADO

DIÁMETRO		PESO		ÁREA
MM.	PULGADA	KG/M	LB/PIE	CM ²
9.5	3/8	0.712	0.478	0.907
11.1	7/16	0.969	0.651	1.235
12.7	1/2	1.266	0.85	1.613
15.9	5/8	1.978	1.328	2.52
19.1	3/4	2.848	1.912	3.629
20.6	3/4	3.342	2.244	4.259
22.2	7/8	3.876	2.602	4.94
23.8	15/16	4.45	2.987	5.67
25.4	1	5.063	3.399	6.452
27.0	1 1/16	5.715	3.837	7.283
28.6	1 1/8	6.407	4.301	8.165
30.2	1 3/16	7.139	4.793	9.098
31.8	1 1/4	7.91	5.31	10.081
33.3	1 5/16	8.721	5.855	11.114
34.9	1 3/8	9.571	6.426	12.198
38.1	1 1/2	11.391	7.647	14.516
39.7	1 9/16	12.36	8.298	15.751
41.3	1 5/8	13.368	8.975	17.036
44.5	1 3/4	15.504	10.409	19.758
50.8	2	20.25	13.595	25.806
57.2	2 1/4	25.629	17.206	32.661

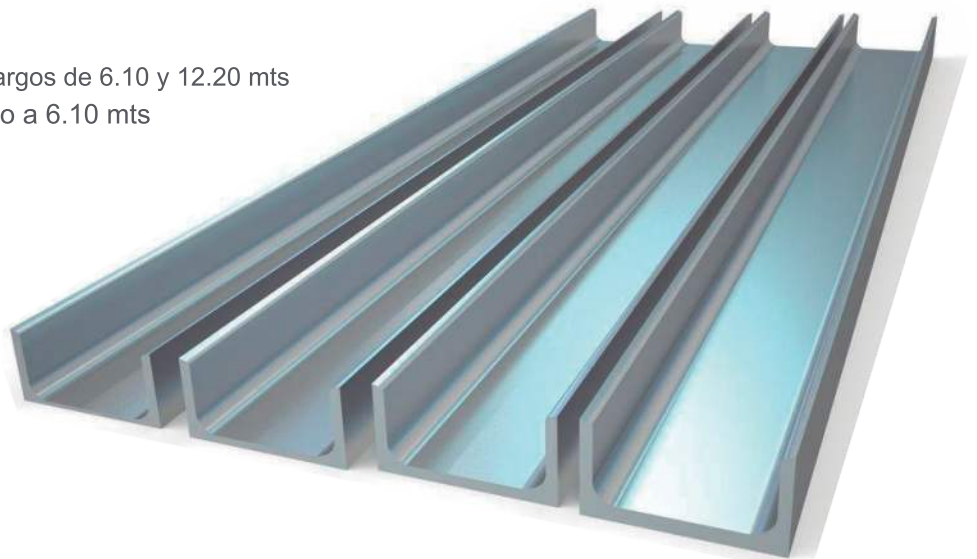


CANALES

PERFIL		PESO		ANCHO DEL PATÍN		ESPESOR DEL PATÍN		ESPESOR DEL ALMA	
PULG.	MM.	KG/MT	LBS/FT	PULG.	MM.	PULG.	MM.	PULG.	MM.
3	76.2	*5.20	3.50	1,372	35	0.273	7.0	0.132	3.4
	76.2	6.10	4.10	1,410	36	0.273	7.0	0.170	4.3
4	101.6	*6.70	4.50	1,584	40	0.296	7.5	0.125	3.2
	101.6	8.04	5.40	1,584	40	0.296	7.5	0.184	4.7
5	127.0	9.97	6.70	1,750	44	0.320	8.1	0.190	4.8
6	152.4	12.20	8.20	1,920	48	0.343	8.7	0.200	5.1
	152.4	15.63	10.50	2,034	51	0.343	8.7	0.314	8.0
	152.4	19.35	13.00	2,157	55	0.343	8.7	0.437	11.1
8	203.2	17.11	11.50	2,260	57	0.390	9.9	0.220	5.6
	203.2	20.46	13.75	2,343	59	0.390	9.9	0.303	7.7
	203.2	27.90	18.75	2,527	64	0.390	9.9	0.487	12.4
10	254.0	22.76	15.30	2,600	65	0.436	11.1	0.240	6.1
	254.0	29.76	20.00	2,739	69	0.436	11.1	0.379	9.6
	254.0	37.20	25.00	2,886	73	0.436	11.1	0.526	13.4
	254.0	44.64	30.00	3,033	76	0.436	11.1	0.673	17.1
12	304.8	30.80	20.70	2,942	74	0.501	12.7	0.282	7.2
	304.8	37.20	25.00	3,047	77	0.501	12.7	0.387	9.8
	304.8	44.64	30.00	3,170	80	0.501	12.7	0.510	13.0
15	381.0	50.40	33.90	3,400	86	0.650	16.5	0.400	10.2
	381.0	59.53	40.00	3,520	89	0.650	16.5	0.520	13.2



En largos de 6.10 y 12.20 mts
*Solo a 6.10 mts



TABLAS DE CONVERSIÓN

UNIDADES DE PESO		
MUL	POR	PARA OBTENER
grs	0.03527	onzas
kgs	2.2046	libras
kgs	35.27	onzas
lbs	0.4536	kgs
onzas	28.353	grs
onzas	0.028353	kgs

UNIDADES DE ÁREA		
MULTIPLICAR	POR	PARA OBTENER
cm ²	0.1550	pulg ²
m ²	10.7640	pies ²
m ²	1.1960	yardas ²
mm	0.00155	pulg ²
pies ²	0.0929	m ²
pulg ²	6.4516	cm ²
pulg ²	645.16	mm ²
yardas ²	0.8361	m ²

UNIDADES DE LONGITUD		
MULTIPLICAR	POR	PARA OBTENER
cms	0.3937	pulgs
mts	3.281	pies
mts	39.37	pulgs
mts	1.0936	yardas
mm	0.03937	pulgs
pies	0.3048	mts
pulgs	2.54	cms
pulgs	0.0254	mts
pulgs	25.4	mm
yardas	0.9144	mts

UNIDADES DE PRESIÓN		
MULTIPLICAR	POR	PARA OBTENER
grs/cm ²	0.01422	lbs/pulg ²
kgs/cm ²	14.223	lbs/pulg ²
kgs/mm ²	1422.33	lbs/pulg ²
kgs/mm ²	9.8066437	Mpa ²
lbs/pulg ²	70.31	grs/cm ²
lbs/pulg ²	0.07031	kgs/cm ²
lbs/pulg	0.0007031	kgs/mm ²
lbs/pulg ²	0.0068948	Mpa ²
Mpa ²	0.1019716	kgs/mm ²
Mpa ²	145.035	lbs/pulg ²

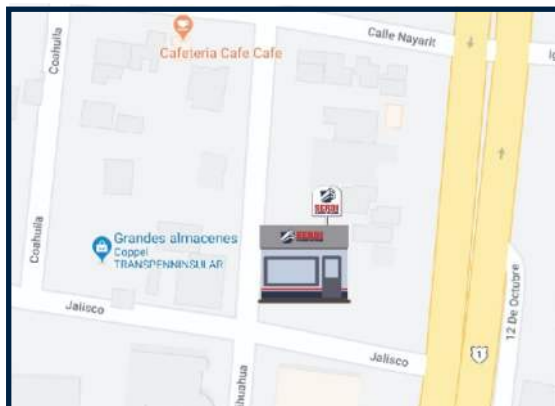
UNIDADES DE DENSIDAD		
MUL	POR	PARA OBTENER
grs/cm ³	0.0361	lbs/pulg ³
lbs/pulg ³	27.68	grs/cm ³
kgs/pulg ³	2.2046	lbs/pulg ³

Densidad del Acero: 0.128625 Kg/pulg³

SUCURALES:

SAN JOSÉ DEL CABO

📍 CARRETERA TRANSPENINSULAR S/N,
CALLE JALISCO, COL. SAN JOSÉ VIEJO
SAN JOSÉ DEL CABO, BAJA CALIFORNIA SUR.

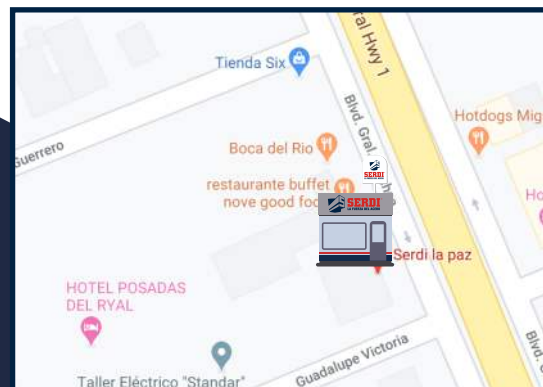


☎ (624) 146 02 03 y (624) 146 02 02

CD. CONSTITUCIÓN



📍 BLVD. A. OLACHEA ESQ. CON GUADALUPE VICTORIA S/N
COL. CENTRO



☎ 613 132 00 68

REJA DEACERO



La Reja Deacero es un producto de un intenso desarrollo de tecnología que combina estética y funcionalidad con resistencia y seguridad, para brindarle el mejor sistema de cercos en México.

El sistema de la Reja Deacero está compuesto por paneles, postes, abrazaderas, puertas y otros accesorios.

Todos los componentes de la reja son galvanizados y recubiertos con pintura de poliéster termoendurecido, lo que le brinda mayor duración contra la oxidación.

DATOS TÉCNICOS DE PANELES

ALTURA (m) 0.63, 1.00, 1.50, 2.00 y 2.50

LONGITUD (m) 2.50

ABERTURA (cm) 5X20

ABRAZADERAS POR PANEL 0.63 (2), 1.00 (2), 1.50 (3), 2.00 (4), 2.50 (5)

CALIBRE 6 (4.89mm)

RESISTENCIA A LA RUPTURA 75,000 - 100,000 lb/plg²

COLORES DISPONIBLES:

Azul, amarillo, gris, rojo, marrón, negro, blanco y verde.

DATOS TÉCNICOS DE POSTES

ALTURA DEL PANEL (m) 0.63, 1.00, 1.50, 2.00 y 2.50

ALTURA DEL POSTE (m) 1.00, 1.50, 2.00, 2.50 y 3.10

CALIBRE 16 (1.516mm)

DIMENSIONES (pulg.) 2 1/4" x 2 1/4"

RESISTENCIA A LA RUPTURA 477 kg

COLORES DISPONIBLES:

Azul, amarillo, gris, rojo, marrón, negro, blanco y verde.

