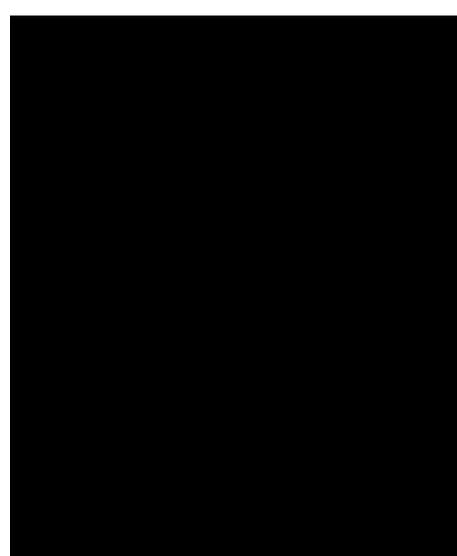




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***ACEROS***  
***CARDENAL***



# CONÓCENOS

Tenemos más de 42 años de experiencia en la venta de perfiles metálicos, una trayectoria implacable en la que nos hemos destacado por la capacidad de asesorarte en los productos que necesitas para desarrollar proyectos.

Son altamente competitivos, hecho que nos posiciona con importantes contratistas, quienes nos encuentran como su mejor opción para la venta de acero comercial y toda la gama de perfiles metálicos estructurales.

**ACEROS  
CARDENAL**

Ya sea que te encuentres trabajando en un proyecto comercial, residencial o municipal, tenemos el suministro de construcción que necesitas para complementarlo y que los resultados sean excelentes.

Si tienes alguna duda sobre medidas de precio de acero estructural, no dudes en consultarnos.

**EN ACEROS, CON CARDENAL**



The logo for ACEROS CARDENAL features a stylized 'A' and 'C' symbol above the company name. The background of the entire image is a close-up, low-angle shot of industrial steel profiles, likely in a factory or warehouse setting, with warm lighting and a blurred background.

**ACEROS**  
CARDENAL

**PERFILES**



Estos perfiles tienen varios usos, por ejemplo: estructuras para muebles, estructuras ligeras, invernaderos, postes para estacas, rejas protección, entre otros.

### Perfiles Cuadrados

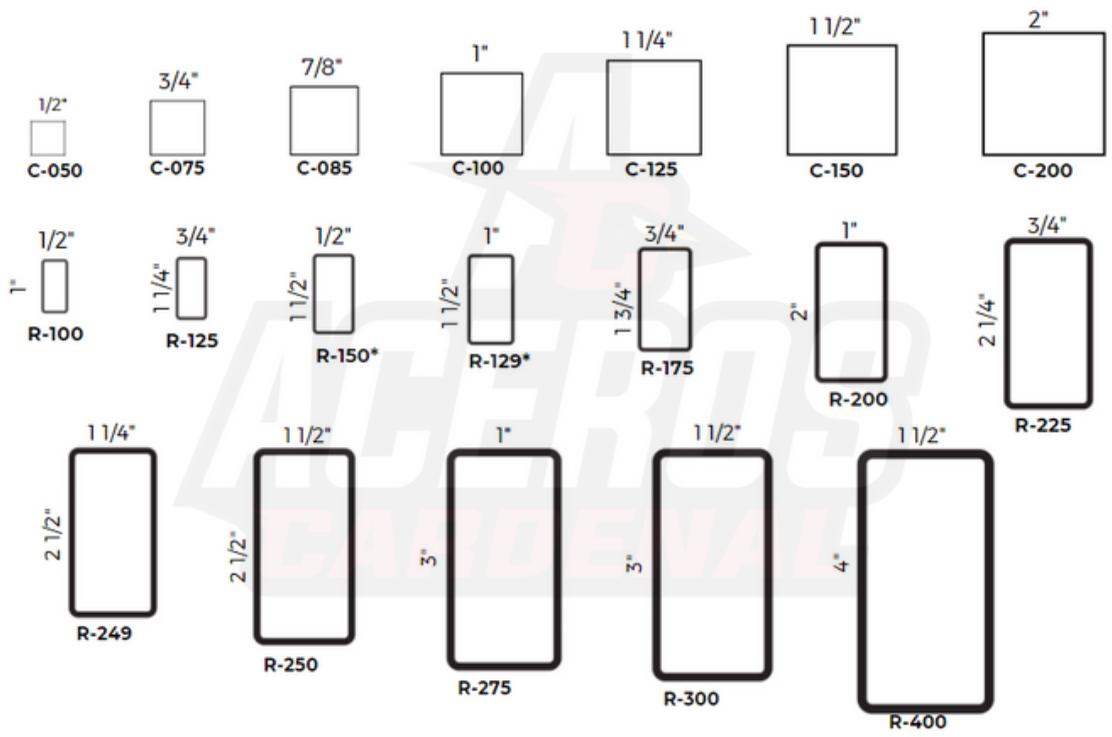
DESCRIPCION	ACABADO	MEDIDA	CALIBRE	PESO X PIEZA	LONGITUD
C050	Zintro	1/2 x 1/2	18	2.7	6 Metros
	Pintado	12.7 x 12.7 MM	18		
C075	Zintro	3/4x3/4	18	4.2	
	Pintado	19.0 X 19.0 MM	18		
C100	Zintro	1 X 1 25.4x25.4 MM	18	5.7	
			20	4.3	
	Pintado		18	5.7	
			20	4.3	
C125	Zintro	1 1/4x1 1/4 31.8 X 31.8 MM	18	7.4	
			20	5.4	
	Pintado		18	7.4	
			20	5.4	
C150	Zintro	1 1/2 X 1 1/2 38.1x 38.1MM	18	8.6	
			20	6.5	
	Pintado		18	8.6	
			20	6.5	
C200	Zintro	2X2 50.8 X 50.8 MM	18	11.3	
	Pintado				

Perfiles Rectangulares					
DESCRIPCION	ACABADO	MEDIDA	CALIBRE	PESO X PIEZA	LONGITUD
R100	ZINTRO	1 X 1/2	18	4.2	6 Metros
	PINTADO		18		
R125	ZINTRO	3/4 X 1 1/4	18	6	
			20	4.6	
	PINTADO		18	6	
			20	4.6	
R150	PINTADO	1/2 X 1 1/2	18	5.65	
R175	ZINTRO	3/4 X 1 3/4	18	7.8	
			20	5.7	
	PINTADO		18	7.8	
			20	5.7	
R200	ZINTRO		18	8.6	
			20	6.6	
	PINTADO		18	8.6	
			20	6.6	
R225	ZINTRO	2 1/4 X 3/4	18	9	
			20	7	
	PINTADO		18	9	
			20	7	
R249	ZINTRO	1 1/4 X 2 1/2	18	10.8	
			20	9	
	PINTADO		18	10.8	
			20	9	
R250	ZINTRO	1 1/2 X 2 1/2	18	12.6	
			20	9.6	
	PINTADO		18	12.6	
			20	9.6	
R300	ZINTRO	3 X 1 1/2	18	13.6	
			20	9.69	
	PINTADO		18	13.6	
			20	9.69	
R400	ZINTRO	4 X 1 1/2	18	16.2	
			20	12.22	
	PINTADO		18	16.2	
			20	12.22	

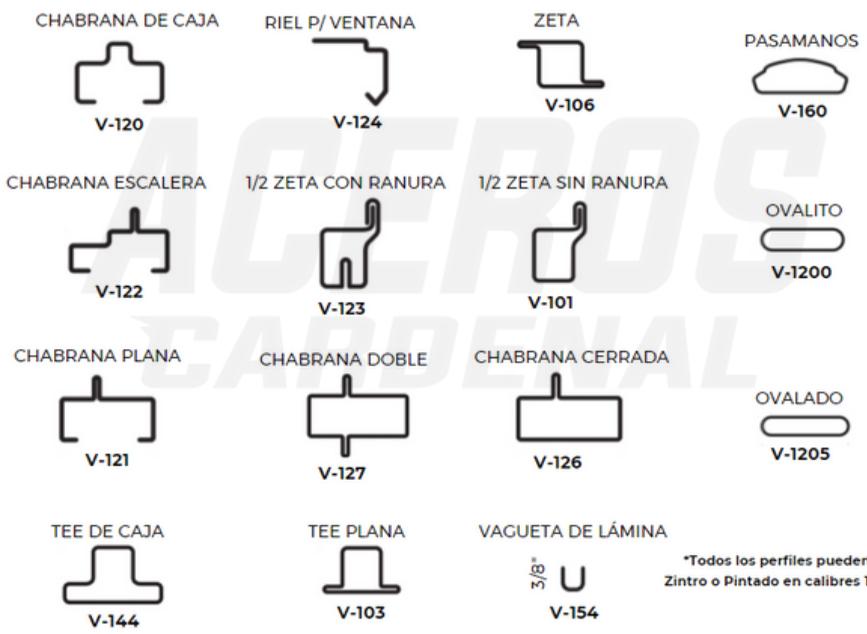


Los usos que destaca en este perfil son las estructuras ligeras, invernaderos, rejas y pollinas para cargas ligeras.

# PERFILES



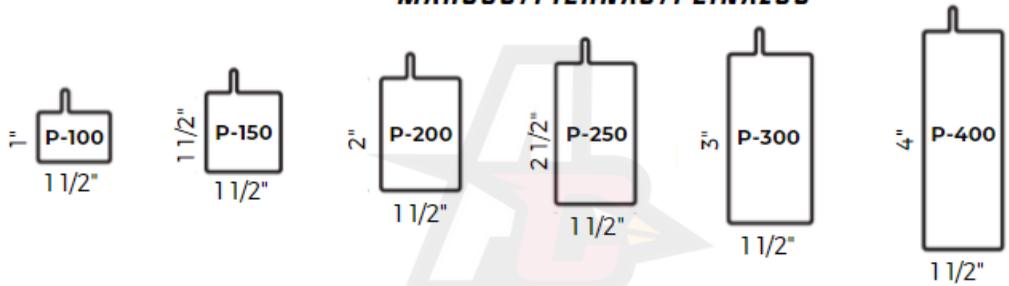
## PERFILES PARA VENTANA



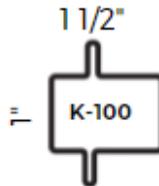
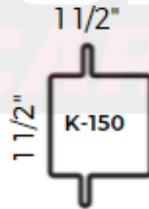
\*Todos los perfiles pueden ser Zintro o Pintado en calibres 18 y 20.

# PERFILES PARA PUERTA

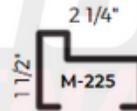
## MARCOS/PIERNAS/PEINAZOS



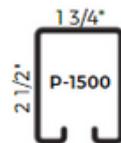
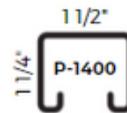
## PERFIL DOBLE CEJA



## CONTRAMARCO



## RIELES



## TABLERO



Ancho	Modelo	Largo
.75 mts	<b>3x3</b>	0.92 mts
.75 mts	<b>3x4</b>	1.22 mts
.75 mts	<b>3x6</b>	1.83 mts
.75 mts	<b>3x6 1/2</b>	2 (1.98) mts
.75 mts	<b>3x7</b>	2.13 mts
.75 mts	<b>3x8</b>	2.44 mts
.75 mts	<b>3x10</b>	3.05 mts

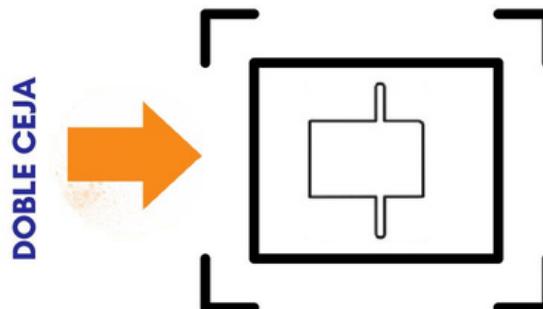
Ancho	Modelo	Largo
1 mt	<b>4x3</b>	0.92 mts
1 mt	<b>4x4</b>	1.22 mts
1 mt	<b>4x6</b>	1.83 mts
1 mt	<b>4x6 1/2</b>	2 (1.98) mts
1 mt	<b>4x7</b>	2.13 mts
1 mt	<b>4x8</b>	2.44 mts
1 mt	<b>4x10</b>	3.05 mts

## PERFILES PARA PUERTA

DESCRIPCION	ACABADO	MEDIDA	CALIBRE	PESO X PIEZA	LONGITUD
P100	ZINTRO	1 X 1/2	18	8.12	6 Metros
			20	6.16	
	PINTADO		18	7.8	
			20	5.94	
P150	ZINTRO	1 1/2 X 1 1/2	18	9.64	
			20	7.31	
	PINTADO		18	9.63	
			20	7.02	
P200	ZINTRO	2 X 1 1/2	18	11.04	
			20	8.36	
	PINTADO		18	10.6	
			20	8.05	
P250	ZINTRO	2 1/2 X 1 1/2	18	12.79	
			20	9.7	
	PINTADO		18	12.32	
			20	9.35	
P300	ZINTRO	3 X 1 1/2	18	13.96	
			20	10.58	
	PINTADO		18	13.96	
			20	10.16	
P400	ZINTRO	4 X 1 1/2	18	16.87	
			20	16.87	
	PINTADO		18	16.57	

PERFILES PARA PUERTA (DOBLE CEJA)

DESCRIPCION	ACABADO	MEDIDA	CALIBRE	PESO X PIEZA	LONGITUD
P015	ZINTRO	1 1/2 X 1 1/2	18	11.39	6 Metros
			20	8.73	
	PINTADO		18	11	
			20	8.4	
P020	ZINTRO	2 X 1 1/2	18	9.8	
	PINTADO		18	9.39	
P030	ZINTRO	3 X 1 1/2	20	12	
	PINTADO		20	11.53	



RIEL

DESCRIPCION	ACABADO	CALIBRE	LONGITUD
P1400	ZINTRO	18	6 Metros
	PINTADO		
P1500	ZINTRO	16	
	PINTADO		

## TABLERO

PULGADAS	METROS	CALIBRE	PESO ZINTRO	PESO PINTADO
3x3	.75x91	20	6.2	6.2
3x4	.75x1.22		8	8.4
3x6	.75x1.83		12	12.8
3 x 6 1/2	.75x2		13	12
3x7	.75x2.14		15	14
3x8	.75x2.44		17	16.4
3x10	.75x3.05		20	20.4
4x3	1x.91		8	8.2
4x4	1x1.22		12	10.8
4x6	1x1.83		16.2	15.8
4 x 6 1/2	1x2		18	18
4x7	1x2.14		20	19
4x8	1x2.44		22	22
4x10	1x3.05	27	26.2	



MONTEN POLIN			
PERALTE	LARGO (m)	CALIBRE	KG / m
3"x1 1/2"	6	14	2.40
	6	12	3.46
4"x2"	6	14	3.44
	6	12	4.73
5"x2"	5	14	3.68
	6	14	3.68
	6	12	5.07
	6	10	6.48
6"x2"	6	14	4.21
	6	12	5.82
	6	10	7.38
8"x2 1/2"	8	14	5.38
	8	12	7.39
	8	10	9.46
10"x2 3/4"	10	14	6.34
	10	12	8.8
	10	10	11.22
12"x3 1/2"	12	14	7.59
	12	12	10.55
	12	10	13.47



Tira Para Cortina				
ANCHO	ACABADO	ALTURA	PESO	CALIBRE
2.05 mts	ZINTRO	10 CMS	1.31	24
2.55 mts			1.63	
3.05 mts			1.95	
3.55 mts			2.27	
4.05 mts			2.59	
4.55 mts			2.91	
5.05 mts			3.23	
5.55 mts			3.52	
6.10 mts			3.90	

## Perfil Tubular (PTR)

DIMENSIONES EXTERIORES		CALIBRE	COLOR	ESPESOR		PESO
PULGADAS	MILIMETROS			PULGADAS	MILIMETROS	KG / M
1"X1"	25x25	14	AZUL	0.0747	1.890	1.44
		12	VERDE	0.1046	2.660	1.87
		10	ROJO	0.1345	3.420	2.27
1 1/4" X 1 1/4"	32x32	14	AZUL	0.0747	1.890	1.78
		12	BLANCO	0.1050	2.700	2.30
1 1/2" X 1 1/2"	38x38	14	AZUL	0.0747	1.890	2.18
		12	BLANCO	0.1046	2.660	2.96
		11	VERDE	0.1196	3.040	3.33
		9	ROJO	0.1495	3.800	4.02
2" X 2"	51x51	14	AZUL	0.0747	1.890	2.95
		12	BLANCO	0.1046	2.660	4.05
		11	VERDE	0.1196	3.040	4.55
		9	ROJO	0.1495	3.800	5.56
2 1/2" X 2 1/2"	64x64	14	AZUL	0.0747	1.890	3.69
		11	BLANCO	0.1196	3.040	5.82
		9	VERDE	0.1495	3.800	7.13
		7	ROJO	0.1793	4.550	8.37
3" X 3"	76x76	14	AZUL	0.0747	1.890	4.59
		11	BLANCO	0.1196	3.040	7.09
		9	VERDE	0.1495	3.800	8.72
		7	ROJO	0.1793	4.550	10.28
3 1/2" X 3 1/2"	89x89	14	AZUL	0.0747	1.890	5.27
		11	BLANCO	0.1196	3.040	8.34
		9	VERDE	0.1495	3.800	10.28
		7	ROJO	0.1793	4.550	12.16
3" X 2"	76x51	14	AZUL	0.0747	1.890	3.69
		11	BLANCO	0.1196	3.040	5.82
		9	VERDE	0.1495	3.800	7.13
		7	ROJO	0.1793	4.550	8.37
4" x 2"	102x51	14	AZUL	0.0747	1.890	4.59
		11	BLANCO	0.1196	3.040	7.09
		9	VERDE	0.1495	3.800	8.72
		7	ROJO	0.1793	4.550	10.28
4" x 3"	102x76	14	AZUL	0.0747	1.890	5.27
		11	BLANCO	0.1196	3.040	8.34
		9	VERDE	0.1495	3.800	10.28
		7	ROJO	0.1793	4.550	12.16
4" x 4"	102x102	14	AZUL	0.0747	1.890	6.03
		11	BLANCO	0.1196	3.040	9.60
		9	VERDE	0.1495	3.800	12.03
		7	ROJO	0.1793	4.550	14.30
6" x 2"	152x51	14	AZUL	0.0750	1.900	6.19
		11	BLANCO	0.1200	3.040	9.60
		9	VERDE	0.1500	3.800	11.24
6" x 3"	152x76	14	AZUL	0.0750	1.900	6.63
		11	BLANCO	0.1200	3.040	10.24
		9	VERDE	0.1500	3.800	13.02



# ÁNGULOS

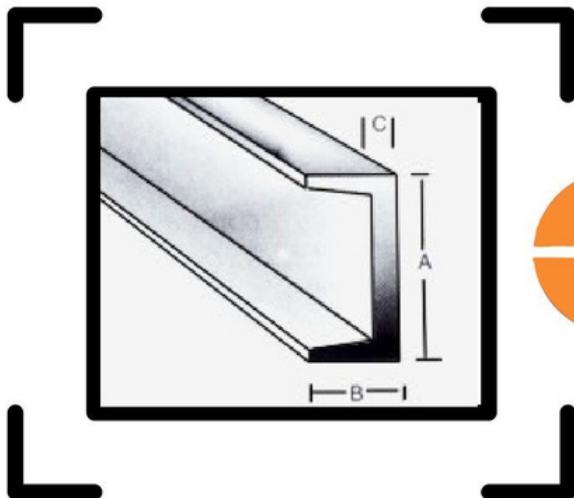
## Ángulos Lados Iguales

ANCHO	ESPESOR	ANCHO	ESPESOR	PESO
PULGADAS		MILIMETROS		KG/M
3/4	1/8	19.05	3.2	0.880
1	0.109	25.4	2.7	1.044
	3/16		4.8	1.730
	1/4		6.3	2.220
1 1/4	0.109	31.07	2.7	1.320
	3/16		4.8	2.200
	1/4		6.3	2.860
1 1/2	0.109	38.1	2.7	1.600
	3/16		4.8	2.680
	1/4		6.3	3.480
1 3/4	3/16	44.45	4.8	3.150
2	1/8	50.8	3.2	2.460
	3/16		4.8	3.630
	1/4		6.3	4.750
	3/8		9.5	6.990
2 1/2	3/16	63.5	4.8	4.610
	1/4		6.3	6.100
	5/16		7.9	7.710
	3/8		9.5	8.780
3	3/16	76.2	4.8	5.520
	1/4		6.3	7.290
	5/16		7.9	9.080
	3/8		9.5	10.720
	1/2		12.7	13.990
4	1/4	101.6	6.3	9.820
	5/16		7.9	12.200
	3/8		9.5	14.580
	1/2		12.7	19.050
5	3/8	127	9.5	18.300
	1/2		12.7	24.110
6	3/8	152.4	9.5	22.170
	1/2		12.7	29.170
	3/4		19.1	42.710



Ángulos Lados Desiguales						
ANCHO 1	ANCHO 2	ESPESOR	ANCHO 1	ANCHO 2	ESPESOR	PESO
PULGADAS			MILIMETROS			KG / M
2	1 1/2	3/16	50.80	38.10	4.76	3.15
		1/4	50.80	38.10	6.35	4.11
3	2	3/16	76.20	50.80	6.35	4.60
		1/4	76.20	50.80	7.94	6.10
		5/16	76.20	50.80	9.53	7.40
		3/8	76.20	50.80	12.70	8.80
3	2 1/2	1/4	76.20	63.50	6.35	4.40
		5/16	76.20	63.50	7.94	8.30
		3/8	76.20	63.50	15.24	9.80
		1/2	76.20	63.50	12.70	12.60
3 1/2	2 1/2	1/4	88.90	63.50	6.35	7.30
		5/16	88.90	63.50	7.94	9.00
		3/8	88.90	63.50	9.53	10.70
3 1/2	3	1/4	88.90	76.20	6.35	8.53
		5/16	88.90	76.20	7.94	9.72
		3/8	88.90	76.20	9.53	11.65
		1/2	88.90	76.20	12.70	15.10
4	3	1/4	101.60	76.20	6.35	8.60
		5/16	101.60	76.20	7.94	10.70
		3/8	101.60	76.20	9.53	12.60
4	3 1/2	1/2	101.60	76.20	12.70	16.40
		1/4	101.60	88.90	6.35	9.20
		5/16	101.60	88.90	7.94	11.40
		3/8	101.60	88.90	9.53	13.50
5	3	7/16	101.60	88.90	11.11	15.70
		1/2	101.60	88.90	12.70	17.60
		1/4	127.00	76.20	6.35	9.80
		5/16	127.00	76.20	7.94	12.10
		3/8	127.00	76.20	9.53	14.50
		7/16	127.00	76.20	11.11	16.70
		1/2	127.00	76.20	12.70	19.00
5	3 1/2	5/8	127.00	76.20	15.88	23.40
		1/4	127.00	88.90	6.35	10.40
		5/16	127.00	88.90	7.94	12.90
		3/8	127.00	88.90	9.53	15.40
6	3 1/2	1/2	127.00	88.90	12.70	20.20
		5/16	152.40	88.90	7.94	14.50
		3/8	152.40	88.90	9.53	17.30
6	4	1/2	152.40	88.90	12.70	22.70
		5/16	152.40	101.60	7.94	15.31
		3/8	152.40	101.60	9.53	18.30
		1/2	152.40	101.60	12.70	24.11
		5/8	152.40	101.60	15.88	29.76
7	4	3/4	152.40	101.60	19.05	35.12
		3/8	177.80	101.60	9.53	20.20
		1/4	177.80	101.60	6.35	26.50
8	4	3/4	177.80	101.60	19.05	38.80
		1/2	203.20	101.60	12.70	29.00
		3/4	203.20	101.60	19.05	42.50
8	6	1	203.20	101.60	25.40	55.40
		1/2	203.20	152.40	12.70	34.10
		5/8	203.20	152.40	15.88	42.34
		3/4	203.20	152.40	19.05	50.33
		7/8	203.20	152.40	22.23	58.16
		1	203.20	152.40	25.40	65.84

CANAL CPS				
PERALTE		PESO KG/M	ESPEJOR ALMA	ANCHO PATIN
mm.	PULGADAS		mm.	mm.
76.20	3	6.10	4.30	35.80
101.60	4	8.04	4.80	40.20
127.00	5	9.97	4.00	44.45
152.40	6	12.20	5.10	48.70
		15.63	8.00	52.00
		19.35	11.00	55.00
203.20	8	17.11	5.60	57.40
		20.46	8.00	60.00
		27.90	12.00	64.00
254.00	10	22.80	6.10	66.00
		29.80	10.00	69.00
		37.20	13.36	73.30
		44.70	17.09	77.04
304.80	12	30.80	7.16	74.73
		37.20	9.83	77.39
		44.70	12.95	80.52



**CANAL CPS**



**AC**  
**ACEROS**  
CARDENAL

**SÓLIDOS**

CARAMELO		
ESPESOR		PESO KG/M
PULGADAS	mm.	
0.38	9.5	0.712
1/2 (Ligero)	12	1.17
0.62	15.9	1.978
0.75	19.1	2.780



TEE DE FIERRO				
ESPESOR		ANCHO		PESO
PULGADAS	mm.	PULGADAS	mm.	KG / M
A		B		
1/8	3.2	1	25.4	1.32

VIGA IPS					
PERALTE		PESO KG/M	PATIN		ALMA
PULGADAS	mm.		ANCHO (mm)	ESPESOR (mm)	ESPESOR (mm)
3.0	76	8.48	59.0	6.6	4.3
4.0	102	11.46	68.0	7.4	4.8
5.0	127	14.88	76.0	8.3	5.3
6.0	152	18.6	85.0	9.1	5.8
8.0	203	27.38	102.0	10.8	6.9



## REDONDOS Y CUADRADOS

PULGADAS	MM	REDONDOS KG/M	CUADRADOS KG/M
3/8"	9.50	0.56	0.71
1/2"	12.70	1.00	1.27
5/8"	15.90	1.55	1.98
3/4"	19.00	2.24	2.85
7/8"	22.20	3.04	--
1"	25.40	3.97	5.06
1 1/8"	28.60	5.03	--
1 1/4"	31.70	6.21	--
1 1/2"	38.10	8.94	11.39
1 3/4"	44.40	12.17	--
2"	50.80	15.90	20.24
2 1/2"	63.50	24.83	--
3/16 PULIDO	4.76	0.84	--
1/4 PULIDO	6.35	1.60	--
5/16 PULIDO	7.94	2.40	--

SOLERA

PULGADAS		MILIMETROS		KG / M		PULGADAS		MILIMETROS		KG / M	
1/8 x	1/2	3.2 x	12.70	0.32	3/8 x	9.5 x	2	50.80	3.80		
	5/8		15.90	0.39			2 1/2	63.50	4.75		
	3/4		19.10	0.48			3	76.20	5.69		
	1		25.40	0.63			4	101.60	7.59		
	1 1/4		31.70	0.79			5	127.00	9.49		
	1 1/2		38.10	0.95			6	152.40	11.39		
	2		50.80	1.27			8	203.20	15.40		
3/16 x	1/2	4.8 x	12.70	0.47	1/2 x	12.7 x	1 1/2	38.10	3.80		
	5/8		15.90	0.59			2	50.80	5.06		
	3/4		19.10	0.71			2 1/2	63.50	6.33		
	1		25.40	0.95			3	76.20	7.59		
	1 1/4		31.70	1.18			4	101.60	10.13		
	1 1/2		38.10	1.42			5	127.00	12.65		
	2		50.80	1.90			6	152.40	15.19		
	2 1/2		63.50	2.37			8	203.20	20.58		
3	76.20	2.85	1 1/2	38.10	4.74						
1/4 x	1/2	6.3 x	12.70	0.63	5/8 x	15.9 x	2	50.80	6.33		
	3/4		19.10	0.95			2 1/2	63.50	7.91		
	1		25.40	1.27			3	76.20	9.49		
	1 1/4		31.70	1.52			4	101.60	12.65		
	1 1/2		38.10	1.90			5	127.00	15.82		
	2		50.80	2.53			6	152.40	18.99		
	2 1/2		63.50	3.16			8	203.20	25.33		
	3		76.20	3.79			1 1/2	38.10	5.70		
	4		101.60	5.06			2	50.80	7.59		
	5		127.00	6.33			2 1/2	63.50	9.49		
5/16 x	1 1/2	7.9 x	38.10	2.37	3/4 x	19.1 x	3	76.20	11.39		
	2		50.80	3.16			4	101.60	15.19		
	2 1/2		63.50	3.95			5	127.00	19.00		
	3		76.20	4.75			6	152.40	22.79		
	4		101.60	6.33			8	202.30	30.43		
	5		127.00	7.91			2	50.80	10.12		
	6		152.40	9.49			2 1/2	63.50	12.66		
3/8 x	1	9.5 x	25.40	1.89	1 x	25.4 x	3	76.20	15.19		
	1 1/4		31.70	2.37			4	101.60	20.25		
	1 1/2		38.10	2.85			5	127.00	25.32		
						6	152.40	30.38			

# PLACA MEDIDA ESTANDAR

## PLACA MEDIDA ESTANDAR

### PESO TEÓRICO EN KILOS DE PLACA DE ACERO EN MEDIDAS ESTÁNDAR

EN GRADOS: A-36 (ABS), A-572 /50, A-283 /C, A-285 / C, A-516 / 70, API2H / 50, AH-36 (ABS)

MEDIDAS EN MILIMETROS		50.8	38.1	31.8	25.4	22.2	19.1	15.9	12.7	11.1	9.5	7.9	6.4	4.8
MEDIDAS EN PIES	MEDIDAS EN METROS	2"	1 1/2"	1 1/4"	1"	7/8"	3/4"	5/8"	1/2"	7/16"	3/8"	5/16"	1/4"	3/16"
3"x6"	0.91   1.83	667	500	418	334	291	251	209	167	146	125	104	84	63
3"x8"	0.91   2.44	889	667	557	445	389	334	278	222	194	166	138	112	84
3"x10"	0.91   3.05	1114	834	696	556	486	418	348	278	243	208	173	140	105
4"x8"	1.22   2.44	1187	890	743	594	519	446	372	297	259	222	185	150	112
4"x10"	1.22   3.05	1484	1113	929	742	648	558	464	371	324	277	231	187	140
4"x20"	1.22   6.10	2968	2226	1858	1484	1297	1116	929	742	648	555	462	374	280
5"x10"	1.52   3.05	1858	1393	1161	924	808	695	579	462	404	346	288	233	175
5"x15"	1.52   4.57	2786	2090	1741	1385	1220	1042	867	693	605	522	431	349	262
5"x20"	1.52   6.10	3697	2773	2315	1849	1616	1390	1157	924	808	691	575	466	349
6"x10"	1.83   3.05	2229	1669	1393	1113	973	837	697	556	486	416	346	280	210
6"x20"	1.83   6.10	4458	3343	2783	2226	1945	1674	1393	1113	973	836	692	557	421
8"x10"	2.44   3.05	2868	2226	1858	1484	1297	1116	929	742	648	555	462	374	280
8"x20"	2.44   6.10	5944	4458	3720	2972	2600	2232	1858	1484	1297	1110	930	748	557
Kg /m2		398.78	299.08	249.63	199.18	174.38	149.28	124.49	99.59	87.00	74.69	62.24	49.79	37.35
Kg /pie2		37.01	27.76	23.13	18.50	16.19	13.88	11.57	9.25	8.00	6.94	5.78	4.63	3.47



# Antiderrapante

LAMINA ANTIDERRAPANTE (MEDIDA ESTANDAR)								
PLACA Y LAMINA ANTIDERRAPANTE PESO EN KILOGRAMOS								
CALIBRE / ESPESOR	PULGADAS	MILIMETROS	MEDIDA					PESO TEORICO KG/M2
			3"X6"	3"X8"	3"X10"	4"X8"	4"X10"	
1/4"	0.250	6.3	91.91	122.54	153.18	163.39	204.24	54.96
3/16"	0.188	4.7	71.10	94.81	118.51	126.41	158.01	42.52
1/8"	0.125	3.2	50.28	67.05	83.81	89.39	111.74	30.07
12	0.105	2.6	42.84	57.12	71.41	76.17	95.21	25.62
14	0.075	1.9	30.60	40.80	51.00	54.40	68.00	18.30



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# LÁMINAS



LÁMINA (ROLADO CALIENTE Y FRIO)

LÁMINA DE ACERO

LÁMINA CALIENTE DECAPADA Y SIN DECAPAR - CALIDAD SAE 1010 Y 1008

LÁMINA FRÍA - CALIDAD SAE 1008

No.	ESPESOR (MM)	ESPESOR (PULGADAS)	0.914x1.829 (3"x6")	0.914x2.438 (3"x8")	0.914x3.048 (3"x10")	1.219x2.438 (4"x8")	1.219x3.048 (4"x10")	PESO (KG/M2)
7	4.5542	0.1793	60.417	80.556	100.695	107.408	134.260	36.628
8	4.1758	0.1644	55.396	73.862	92.327	98.482	124.768	33.576
9	3.7973	0.1495	50.376	67.167	83.959	89.556	113.460	30.523
10	3.4163	0.1345	45.321	60.428	75.535	80.571	102.076	27.471
11	3.0378	0.1196	40.300	53.734	67.167	71.645	90.768	24.420
12	2.6568	0.1046	35.246	46.995	58.743	62.660	79.384	21.367
14	1.8974	0.0747	25.171	33.561	41.952	44.748	56.692	15.262
16	1.5189	0.0598	20.150	26.867	33.584	35.823	45.384	12.210
18	1.2141	0.0478	16.107	21.476	26.844	28.634	36.277	9.768
20	0.9119	0.0359	12.097	16.129	20.161	21.506	27.246	7.326
22	0.7595	0.0299	10.075	13.433	16.792	17.911	22.692	6.105
24	0.6071	0.0239	8.053	10.738	13.422	14.317	18.138	4.8844
26	0.4547	0.0179	6.032	8.042	10.053	10.723	13.585	3.663

LÁMINA GALVANIZADA (PESO EN KGS)

CAPA G90 Y G60

CALIBRE	ESPESOR		ANCHO (KG/M LINEAL)		PESO EN HOJA EN KGS					
	MM	PULGADAS	3"	4"	3"x6"	3"x8"	3"x10"	4"x8"	4"x10"	kg/m2
10	3.454	0.1360	24.77	--	45.33	60.44	75.55	--	--	27.09
12	2.695	0.1061	19.32	25.76	35.36	47.14	58.93	62.85	78.57	21.13
14	1.936	0.0762	13.87	18.5	25.38	33.84	42.30	45.14	56.33	15.17
16	1.557	0.0613	11.15	14.87	20.40	27.21	34.01	36.28	45.35	12.19
18	1.252	0.0493	8.97	11.96	16.42	21.89	27.36	29.18	36.48	9.81
20	0.950	0.0374	6.80	9.06	12.44	16.59	20.74	22.11	27.63	7.44
22	0.798	0.0314	5.70	7.60	10.43	13.91	17.39	18.54	23.18	6.23
24	0.569	0.0224	4.06	5.42	7.43	9.91	12.38	13.22	16.53	4.44
26	0.493	0.0194	3.52	4.69	6.44	8.59	10.74	11.44	14.30	3.85

## LÁMINA PARA TECHAR

LÁMINA PARA TECHAR						
LÁMINA ACRÍLICA	MINA PINTRO Y/O GALVANIZA		POLICARBONATO		GALVATEJA	
MEDIDAS (m)	MEDIDAS (m)	CALIBRE	LARGO (m)	ANCHO (m)	MEDIDA	CALIBRE
2.44x1.07	2.44x1.07	24 y 26	2.44	1.22, 1.83, 2.10	2.44x1.10	26
3.05x1.07	2.54x1.07		3.05		3.05x1.10	
3.66x1.07	2.70x1.07		3.66		4.27x1.10	
4.27x1.07	3.05x1.07		4.27		4.88x1.10	
4.55x1.07	3.66x1.07		4.88		6.10x1.10	
4.88x1.07	4.27x1.07		5.49			
5.00x1.07	4.88x1.07		6.10			
5.50x1.07	3.05x1.22		7.32			
6.10x1.07	5.00x1.07		7.93			
7.32x1.07	6.10x1.07		10.98			
7.32x1.20	7.32x1.07					

LOSACERO	
MEDIDA	CALIBRE
	20
.95x6.10	22
	24



**ACRÍLICA**



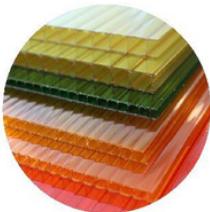
**GALVATEJA**



**PINTRO**



**LOSACERO**



**POLICARBONATO**



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**TUBOS**

TUBO NEGRO							
DIÁMETRO NOMINAL	DIÁMETRO EXTERIOR		ESPESOR DE PARED		CÉDULA	PESO	
	PULGADAS	mm	PULGADAS	mm		lb/pie	kg/m
a			b				
1/2"	0.84	21.3	0.075	0.19	30	3.87	5.76
			0.109	2.77	40	5.46	8.13
3/4"	1.05	26.7	0.075	1.90	30	4.56	6.78
			0.113	2.87	40	7.27	10.82
1"	1.31	33.4	0.075	1.90	30	6.05	9.00
			0.133	3.38	40	10.75	16.00
1 1/4"	1.66	42.2	0.090	2.28	30	9.47	14.10
			0.140	3.56	40	14.58	21.70
1 1/2"	1.90	48.3	0.090	2.28	30	1.89	16.20
			0.145	3.68	40	17.42	25.92
2"	2.37	60.3	0.105	2.66	30	15.93	23.70
			0.154	3.91	40	23.40	34.82
2 1/2"	2.87	73.0	0.105	2.66	30	18.67	27.78
			0.203	5.16	40	37.11	55.23
3"	3.50	88.9	0.120	3.04	30	27.01	40.20
			0.216	5.49	40	48.56	72.26
4"	4.50	114.3	0.120	3.04	30	35.08	52.20
			0.237	6.02	40	69.11	102.85
6"	6 5/8	168.3	3/16	4.78		13.00	19.35
			7/32	5.60		15.10	22.47
			1/4	6.35		17.17	25.55
			9/32	7.10	40	18.96	28.22
			3/8	9.50		25.00	37.20
8"	8 5/8	219.1	3/16	4.78		17.05	25.37
			7/32	5.60		19.81	29.48
			1/4	6.35	20	22.56	33.57
			5/16	7.04	30	24.74	36.82
			5/16	7.90		27.64	41.14
			19/59	8.20	40	28.66	42.65
			3/8	9.50		32.99	49.10
			1/2	12.70	80	43.99	65.47
10"	10 3/4	273.1	3/16	4.78		21.34	31.76
			7/32	5.60		24.82	36.94
			1/4	6.35	20	28.28	42.09
			0.307	7.80	30	34.29	51.03
			0.365	9.27	40	40.65	60.50
			3/8	9.50		41.10	61.16
			1/2	12.70	60	54.80	81.55

## Tubo Negro

DIÁMETRO NOMINAL	DIÁMETRO EXTERIOR		ESPESOR DE PARED		CÉDULA	PESO	
	PULGADAS	mm	PULGADAS	mm		lb/pie	kg/m
a			b				
12"	12 3/4	323.9	3/16	4.78		25.38	37.77
			7/32	5.60		29.54	43.96
			1/4	6.35	20	33.67	50.11
			3/8	9.50		49.49	73.65
			13/32	10.30	40	53.52	79.65
			1/2	12.70		65.50	97.47
14"	14	355.6	0.210	5.30		30.76	45.78
			1/4	6.35	10	37.03	55.11
			5/16	7.90	20	45.52	67.74
			3/8	9.50	30	54.48	81.08
			7/16	11.10	40	63.37	94.30
			1/2	12.70		72.16	107.39
16"	16	406.4	7/32	5.60		37.19	55.35
			1/4	6.35	10	42.42	63.13
			9/32	7.14		46.49	69.19
			5/16	7.90	20	52.16	77.63
			3/8	9.50	30	62.48	92.98
			1/2	12.70	40	82.85	123.30
18"	18	457.2	1/4	6.35	10	47.79	71.12
			5/16	7.90	20	58.79	87.49
			3/8	9.50		70.45	104.84
			1/2	12.70		93.50	139.15
20"	20	508	1/4	6.35	10	53.19	79.16
			5/16	7.90		65.47	97.43
			3/8	9.50	20	78.47	116.78
			1/2	12.70	30	104.24	155.12
24"	24	609.6	1/4	6.35	10	64.01	95.26
			3/8	9.50	20	94.53	140.68
			1/2	12.70		125.70	187.06
30"	30	762	1/4	6.35	10	80.13	119.25
			3/8	9.50	20	118.46	176.52
			1/2	12.70	30	157.69	234.67
			3/4	19.05		234.54	349.04
36"	36	914.4	5/16	7.90	10	118.62	176.52
			3/8	9.50		142.39	211.90
			1/2	12.70	20	189.68	282.27
			3/4	19.05	40	282.53	420.45

## Tubería Cedula 30 Estructural

DIÁMETRO NOMINAL		DIÁMETRO EXTERIOR		DIÁMETRO INTERIOR		ESPESOR		PESO	
PULGADAS	mm	PULGADAS	mm	PULGADAS	mm	PULGADAS	mm	kg/m	lb/pie
0.50	12.5	0.84	21.3	0.69	17.50	0.075	1.90	5.76	3.87
						0.109	2.77	8.13	8.13
0.75	18.75	1.05	26.67	0.90	22.86	0.08	1.90	1.20	0.81
1	25	1.32	33.40	1.17	29.60	0.08	1.90	1.50	1
1.25	32	1.66	42.16	1.48	37.60	0.09	2.28	2.35	1.58
1.50	38	1.90	48.26	1.72	43.69	0.09	2.28	2.70	1.82
2	50	2.38	60.33	2.17	55.00	0.11	2.66	3.95	2.66
2.50	64	2.88	73.03	2.67	67.70	0.11	2.66	4.80	3.23
3	76	3.50	88.90	3.26	82.81	0.12	3.04	6.70	4.5
4	102	4.50	114.30	4.26	108.21	0.12	3.04	8.60	5.78
6	152	6.62	168.28	6.12	155.58	0.25	6.35	8.36	5.61
8	203	8.62	219.08	8.12	206.38	0.25	6.35	35.57	78.41

**-Manejamos tubo galvanizado y sus accesorios bajo pedido-**

  
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**AC**  
**ACEROS**  
**CARDENAL**

**IPR**

IPR

DESCRIPCION	PESO KG / M	PATIN		ESPEJOR ALMA (mm)
		ANCHO (mm)	ESPEJOR (mm)	
4" x 4" 101.5 x 101.5	19.30	103.00	8.80	7.11
5" x 5" 127x127	23.80	127.00	9.10	6.10
	28.30	128.00	10.90	6.90
6"x4" 152.4x101.6	13.40	100.10	5.50	3.80
	17.90	102.00	7.10	4.30
	23.80	102.00	10.30	6.60
6"x6" 152.4 x152.4	22.30	152.00	6.60	5.80
	29.80	153.00	9.30	6.60
	37.20	154.00	11.60	8.10
8"x4" 203.2x101.6	14.90	100.00	5.20	4.30
	19.40	102.00	6.50	5.80
	22.40	102.00	8.00	6.20
8"x5 1/4" 203.2x133.4	26.80	133.30	8.40	5.80
	31.30	133.80	10.20	6.30
8"x6 1/2" 203.2x165.1	35.70	165.00	10.20	6.20
	41.70	166.00	11.80	7.20
8"x8" 203.2x203.2	46.10	203.00	11.00	7.20
	52.10	204.00	12.60	7.90
	59.50	205.00	14.20	9.10
	71.40	206.00	17.40	10.20
	86.30	209.00	20.60	13.00
10"x4" 254x101.6	17.90	100.00	5.20	4.60
	22.40	102.00	6.80	5.80
	25.50	102.00	8.40	6.10
	28.30	102.00	10.00	6.40
10"x5 3/4" 254x146	32.80	146.10	9.10	6.10
	38.70	146.20	11.20	6.60
	44.70	147.20	12.90	7.60
10"x8" 254x203.2	49.10	202.00	11.00	7.40
	58.00	203.00	13.50	8.00
	67.00	204.00	15.70	8.90
10"x10" 254x254	72.90	254.00	14.20	8.60
	80.40	255.00	15.60	9.40
	89.30	256.00	17.30	10.70
	101.10	257.00	19.60	11.90
	114.57	259.00	22.10	13.50
	130.94	261.00	25.10	15.40
	148.80	263.00	28.40	17.30
	166.65	265.00	31.80	19.20

DESCRIPCION	PESO KG / M	PATIN		ESPEJOR DEL ALMA (mm)
		ANCHO (mm)	ESPEJOR (mm)	
12"x4" 304.8x101.6	20.90	100.00	5.70	5.10
	23.80	101.30	6.70	5.60
	28.30	102.00	8.90	6.10
	32.80	102.00	10.80	6.60
12"x6 1/2" 304.8x165.1	38.70	164.80	9.70	5.80
	44.70	165.60	11.20	6.60
	52.10	166.60	13.20	7.60
12"x8" 304.8x203.2	59.60	203.00	13.10	7.50
	67.00	204.00	14.60	8.50
	74.40	205.00	16.30	9.40
12"x10" 304.8x254	78.90	254.00	14.60	8.80
	86.30	254.00	16.30	9.10
12"x12" 304.8x304.8	96.70	305.00	15.40	9.90
	107.10	306.00	17.00	10.90
	117.60	307.00	18.70	11.90
	129.45	308.00	20.60	13.10
14"x5" 355.6x127	142.90	309.00	22.90	14.00
	157.72	310.00	25.10	15.50
	202.36	315.00	31.80	20.10
	226.17	317.00	35.60	22.10
	252.99	319.00	39.60	24.40
14"x6 3/4" 355.6x171.4	282.72	322.00	44.10	26.90
	32.70	127.00	8.50	5.80
	38.70	128.00	10.70	6.50
14"x8" 355.6x203.2	44.70	171.00	9.70	6.90
	50.60	171.00	11.50	7.30
	56.60	172.00	13.00	7.90
14"x10" 355.6x254	64.10	203.00	13.40	7.80
	71.50	204.00	15.10	8.60
	79.00	205.00	16.70	9.40
14"x14 1/2" 355.6x368.3	90.80	254.00	16.40	9.50
	101.20	255.00	18.30	10.50
	110.10	256.00	19.90	11.40
	122.00	257.00	21.70	13.00
14"x14 1/2" 355.6x368.3	133.90	369.00	18.00	11.20
	147.30	370.00	19.80	12.30
	162.20	371.00	21.80	13.30
	178.60	373.00	23.90	15.00
	196.40	374.00	26.20	16.40

## IPR

DESCRIPCION	PESO	PATIN		ESPEJOR DEL ALMA (mm)
	KG / M	ANCHO (mm)	ESPEJOR (mm)	
14"x16" 355.6x406.4	215.80	394.00	27.70	17.30
	236.60	395.00	30.20	18.90
	261.90	398.00	33.30	21.20
	287.20	399.00	36.60	22.60
	313.96	401.00	36.60	24.90
	382.41	406.00	48.00	29.80
16"x5 1/2" 406.4x139.7	38.70	140.00	8.80	6.40
	46.10	140.00	11.20	7.00
16"x7" 406.4x177.8	53.60	177.00	10.90	7.60
	59.60	178.00	12.70	7.80
	67.00	179.00	14.30	8.80
	74.40	180.00	15.90	9.60
16"x10 1/4" 406.4x260.3	99.70	260.00	16.90	10.00
	114.60	261.00	19.30	11.60
	132.40	263.00	22.20	13.30
	149.00	265.00	25.00	14.90
18"x6" 457.2x152.4	52.10	152.00	10.80	7.60
	59.50	153.00	13.30	8.00
	68.40	154.00	15.40	9.10
18"x7 1/2" 457.2x190.5	74.41	190.40	14.48	9.02
	81.85	191.30	16.00	9.91
	89.29	191.90	17.65	10.54
	96.70	192.80	19.50	11.40
	105.70	193.90	20.57	12.57
18"x11" 457.2x279.4	113.10	280.30	17.30	10.80
	128.00	281.70	19.60	12.20
	144.30	283.10	22.10	13.60
	157.70	284.50	23.90	14.90
	177.10	286.10	26.90	16.60



## IPR

DESCRIPCION	PESO	PATIN		ESPEJOR DEL ALMA (mm)
	KG / M	ANCHO (mm)	ESPEJOR (mm)	
21"x6 1/2" 533.4x165.1	65.50	165.00	11.40	8.90
	74.40	166.00	13.60	9.70
	84.80	166.00	16.50	10.30
21"x8 1/4" 533.4x209.5	92.30	209.00	15.60	10.20
	101.20	210.00	17.40	10.90
	108.60	211.00	18.80	11.60
	123.50	212.00	21.20	13.10
	138.40	214.00	23.60	14.70
21"x12 1/2" 534.4x317.5	218.00	318.00	29.20	18.30
24"x7" 609.6x228.6	82.00	180.00	12.80	10.00
	92.00	180.00	15.00	10.90
24"x9" 609.6x228.6	101.00	230.00	14.90	10.50
	113.00	230.00	17.30	11.20
	125.00	230.00	19.60	11.90
24"x12 3/4" 609.6x323.8	154.80	324.00	19.10	12.70
	174.10	325.00	21.60	14.00
	194.90	327.00	24.40	15.40
	217.20	328.00	27.70	16.50
	241.10	329.00	31.00	17.90
27"x10" 685.8x254	125.00	253.00	16.30	11.70
	139.90	254.00	18.90	12.40
	151.80	254.00	21.10	13.10
	169.60	256.00	23.60	14.50
	191.95	254.00	27.90	15.50

## Tabla HSS

MEDIDAS	3/16	1/4	5/16	3/8	1/2	5/8
3x3	124	160				
4x2	124					
4x4	171	222	270	314		
4x6	217	284				
4x8	264	345		499		
4x10		407		592		
4x12		469	578	685		
6x6	264	345	424	499	640	768
6x8		406		592		
8x8	356	469	578	685	888	1078
8x12		593	733	870	1135	
8x16				1056	1382	
10x10		593	733	870	1135	1385
10x14			888	1056		
12x12		716	888	1056	1382	1694
12x16					1630	
14x14			1042	1241	1630	2003
16x16				1427	1887	2312



**ACEROS**  
CARDENAL

**MALLAS**

### MALLAS

#### MALLA HEXAGONAL

CALIBRE	ABERTURA (mm)	ALTURA (mts)	METROS LINEALES
23	13	0.9	45 MTS
22	20	0.9	
22	25	1	
22	25	1.2	
22	25	1.5	
22	25	1.75	
20	38	1.5	
20	38	1.75	
20	50	1.5	
20	50	1.75	

### MALLAS

#### MALLA CICLÓNICA

CALIBRE	ALTURA	LONGITUD	AB
10.5 Y 12.5	1.00 MTS	20 MTS	69x69
	1.25 MTS		
	1.50 MTS		
	1.75 MTS		
	2.00 MTS		
	2.50 MTS		
	3.00 MTS		

#### MALLA ELECTROSOLDADA

MEDIDA	ALTURA	LARGO
66-44	2.5 MTS	40 MTS
66-66		
66-88		
66-1010		

#### MALLA CRIBA

MALLA CRIBA	ALTURA	LARGO
2x2	10 mts	.91 mts
3x3		
4x4		
5x5		
6x6		
8x8		

#### MULTIMALLA

MEDIDA	ALTURA	LONGITUD
5x10	1.00 mts	20 mts
5x10	1.22 mts	

#### MALLA RIGIDA

AB	ALTURA	CALIBRE
1"	1, 1.25, 1.50 Y 2 mts	10.5
1 1/2"		
2"		

#### REJA PREFABRICADA

ANCHO	ALTURA	CALIBRE
2.5 mts	1 mts	8
	1.25 mts	
	1.50 mts	8 y 6
	1.75 mts	
	2 mts	



### ACCESORIOS PARA MALLA



**TAPÓN  
PUA**



**TAPÓN  
MARCO**



**ABRAZADERAS**

# ALAMBRE

Alambre
ALAMBRE GALVANIZADO
CALIBRES
12
14
16
18
20
22

ALAMBRE RECOCIDO  
CAL.16



ALAMBRE DE PÚAS  
DELGADO Y GRUESO

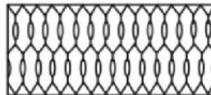


ALAMBRÓN 1/4

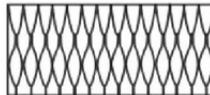


# REJACERO

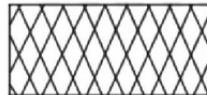
BARROCO



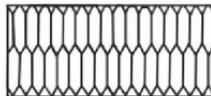
FLORENTINO



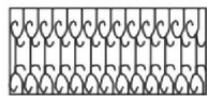
PACÍFICO



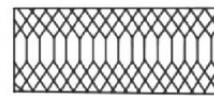
CLÁSICO



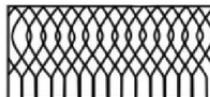
GRANADA



GÓTICO



ROMANO



**MEDIDAS APLICADAS A  
TODOS LOS MODELOS**

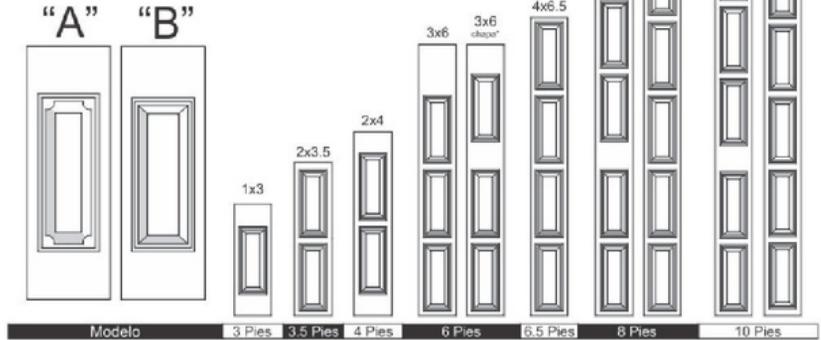
.915 x 2.44M(3x8)  
1.22M x 2.44M(4x8)  
2.44M x .915(8x3)  
2.44M x 1.22M(8x4)

**ACEROS  
CARDENAL**

## DUELAS 25

**13-0.91 mts**  
**23.5 1.05 mts**  
**24 1.22 mts**  
**36/36a-1.83 mts**  
**46.5-2 mts**  
**48/58-2.44 mts**  
**510/610-3.05 mts**

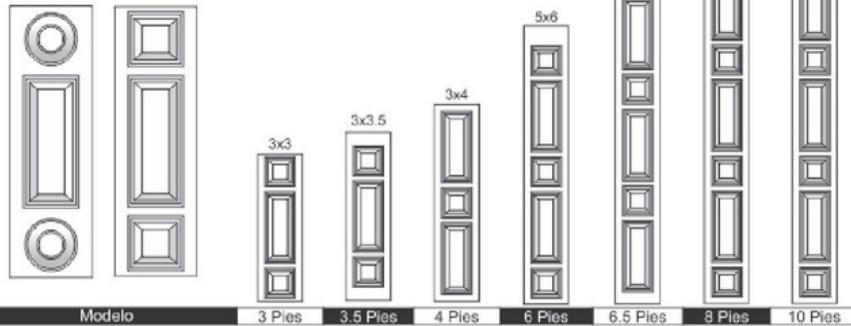
Fabricados en:  
Negra o Zintro Calibre 22



## DUELAS 25

Fabricados en:  
Negra o Zintro Calibre 22

"CC" "CB"



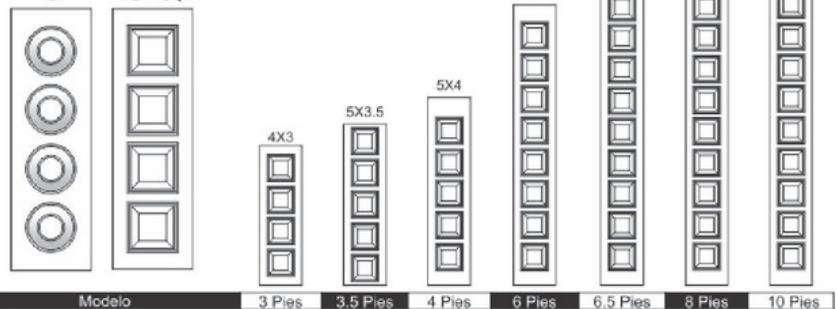
**33-0.91 mts**  
**33.5-1.05 mts**  
**34-1.22 mts**  
**56-1.83 mts**  
**56.5-2 mts**  
**78-2.44 mts**  
**910-3.05 mts**

## DUELAS 25

**43-0.91 mts**  
**53.5-1.05 mts**  
**54-1.22 mts**  
**86-1.83 mts**  
**96.5-2 mts**  
**118-2.44 mts**  
**1410-3.05 mts**

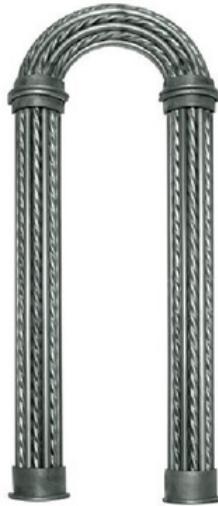
Fabricados en:  
Negra o Zintro Calibre 22

"C" "SQ"



# ARCO ROMANO

ARCO ROMANO	ARCO DOBLE
MEDIDAS	30x135 cms
.30x.80	30x80 cms
.30x1.35	45x145 cms
.45x.90	45x90 cms
.45x1.45	
.60x1.00	<b>ARCO SENCILLO</b>
.60x1.55	30 cms
.80x1.10	45 cms
.80x1.60	60 cms
.90x1.10	80 cms
.90x1.60	90 cms



**PATAS PARA  
ARCOS 90 CM**

# FORJA

**FPK-W1**



**FPK-O36**



**FPK-V**



**FPK-T1**



**FPK-R**



**FPK-U**



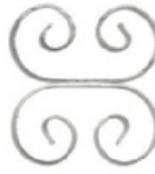
**FPK-A**



**FPK-AD**



**FPK-B**



**FPK-C Y CC**



**FPK-O  
12, 14, 16**



# PANELES VERTICALES

**PAVER-001**



**PAVER-002**



**PAVER-010**



**PAVER-015**



**PAVER-028**



**PAVER-030**



**PAVER-109**



**PAVER-112**



**PAVER-125**



**PAVER-113**

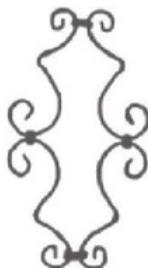


# INSERTOS

**INSERT-001**



**INSERT-003**



**INSERT-004**



**INSERT-006**



**INSERT-007**



**INSERT-009**



**INSERT-010**



**INSERT-011**



TULIFLOR



PUN-C/SOL 1/2



LANZA



PUNTA



CURVA



PUFISSI



PUFIT



PUFILOS



PUFIGR1



PUFITSB



PUFIOL



PUFIGR2



## NUDOS



NUDO FRAN



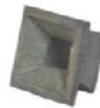
NUDO-MEDLAR



NUDO SEN



BASA



NUDO ORIENTAL



NUDO P/CUA



NUDO ORIENTAL

## ESFERAS



PIÑA 1/2  
5/8 Y 3/8



PIÑA ESFERA



ESFERA DE 2  
PERFO  
1 1/2" Y 2"



ESFERA DE 1  
PERFO  
1" 1/2" Y 2"

## HERRAJES

CHAPETÓN 1/2 ESFERA	TAPÓN CON BOLA	CHAPETÓN CORRUGADO	CHAPETÓN LISO
1/2	1	1 1/2	1 1/2
3/4	1 1/4	1 3/4	1 3/4
1	1 1/2	2	2
1 1/4	2	2 1/4	2 1/4
1 1/2	2 1/2	2 3/4	2 3/4
2	3	4	3 1/2
2 1/2	4	4 1/4	4 1/4
3			
4			
6			

## PLACAS PARA BUZÓN



## HERRAJES

TEJUELO	BISAGRAS	CADENA GALVANIZADA
1	3/8	1/8"
1 1/4	1/2	3/16"
1 1/2	5/8	1/4"
2	3/4	3/8"
2 1/2	1	5/16"
3		1/2"
4		
6		



**CERROJOS**



**PASADORES DE PISO**



**CARRETILLA  
4 RUEDAS**



**CARRETILLA  
EMBALADA**



**CARRETILLA  
2 RUEDAS**



**CARRETILLA  
1 RUEDA**



**P050-P100-P150**



**OPERADOR**



**JALADERA**



**JALADERA  
ASTRIDA**



**JALADERA  
DE BRONCE**



**MANIJA  
LAMINA Y BRONCE**



**MIRILLA**



**BISAGRA**

## BIBELES



**SENCILLO**



**MINI**



**MEDIANO**



**GIGANTE**



**EXTRA  
GIGANTE**



**GRABLO11**



**BOMBO  
TROQUELADO**



**BOMBO  
EMBALADO**



**BOMBO DE  
ALUMNIO**



**PIEZAS  
LATERALES**



**ARMELLA PARA  
CORTINA**



**ANCLA PARA  
CORTINA**



**PASADOR DE  
CORTINA**



**ELEVADOR DE  
CORTINA (BRONCE Y  
NATINA)**



**RESORTES PARA  
CORTINAS**



**MECANISMO PARA  
CORTINA**



**PORTAELECTRODOS**



**LENTES**



**PINZAS  
PARA TIERRA**



**CABLES  
PARA SOLDAR**



**CORTADORES**



**ESMERIL**



**TALADRO**



**JUEGO DE CABLE**

CANDADOS	
MEDIDAS	
120	120 GL
103	103 GL
104	104 GL
105	105 GL
112	112 GL
113	113 GL
114	114 GL
115	115 GL
116	116 GL
12	12 GL
13	13 GL
14	14 GL
15	15 GL
16	16 GL
17	17 GL
18	18 GL
19	19 GL
6	--
8	9
10	AS-40
as-50	AS-60
st-40	ST-50
tx35	TX40
tx50	TX60

CERRDURAS	
MODELOS	
500MMC	500JMC
525DC	550ABL
550 ANE	615 FANAL
625 DC	625 DCI
625 SEN	625 SEN I
650	675
700 DC	715 CLA
715 IF	715 MAX
725	AS-725
740	745
X750	800 (BARRA)
900 (Tetra)	800 LIB
825	850
X-720IF	X-720 CLA
X1000	X1100
RESIDENCIALES	
DALTON LATÓN ANTIGUO	
DALTON LATON BRILLANTE	
GENOVA COBRE ANTIGUO	
GENOVA LATON ANTIGUO	
GENOVA LATON BRILLANTE	
TRIPOLI COBRE ANTIGUO	
TRIPOLI LATON ANTIGUO	
TRIPOLI LATON BRILLANTE	



**ACEROS**  
**CARDENAL**



# PRODUCTOS DE FIERRO COLADO



**SOL GDE**



**SOLM**



**ECAL**



**ECFL**



**HERRA1**



**HERRA2**



**JUCA**



**JUGI**



**ALGRFI**



**ALCHFI**



**CAMAR**



**CAÑÓN**



**CATO**



**CATOCH**



**LEÓN 3**



**CHAPETÓN  
DE LEÓN**



**JLEÓN**



**LEALI  
LEAD**



**GALLO**



**CRISTO**



**VENADO**



**ADORNO**



**FLCH**



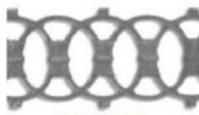
**FIFIVA  
1049B**



**FIFIVA  
Q01**



**FIFIVA  
Q02**



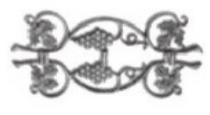
**FIFIVA  
Q03**



**FIFIVA  
Q04**



**FIFIVA  
Q05**



**FIFIVA  
Q07**



**FIFIVA  
Q08**



**FIFIVA  
Q09**



**FIFIVA  
Q10**



**FIFIVA  
Q11**



**FIFIVA  
Q12**



**FIFIVA  
Q13**



**FIFIVA  
C03**



**FIFIVA  
C05**



**FIFIVA  
C06**



HOJA 03



HOJA 15



HOJA 17



HOJA 19



HOJA 20, 21



HOJA 25



HERRADURA



CHAPETÓN  
CHARRO



CONCHOS



DECO-1



DECO-2



DECO-3



JARRÓN  
CH-GDE



DECO-5



DECO-7



UVAS



FPK-U



PORTA  
VELAS



ROSA



GOLONDRINA



PERICO



TUCÁN



LEÓN



LOBO



TORO



GALLO



APACHE



JINETE



ALCATRAZ



VIRGEN



ÁNGEL

## RUEDAS



PGB POL



HE 516



101 PGB



152 B2

# PRODUCTOS PARA SOLDAR



**CARETA  
ELECTRICA**



**CARETAS PARA SOLDAR**



**SOLDADURA  
6018-1/8  
6018-3/32  
7018-1/8**



**DISCOS  
PARA SOLDAR**



**DISCOS PARA METAL**



**DISCO  
PARA CONCRETO**

Maquinas Para Soldar			
MODELO	USO	C. ENERGIA	PESO
SOLDAMEX 180 AMP	TRABAJOS LIGEROS	100 VOLTS	35 KG
SOLDAMEX 225 AMP	TRABAJOS LIGEROS, TALLERES Y HERRERÍA	110 VOLTS / 220 VOLTS	45 KG
SOLDAMEX 250 AMP	PLANTA PESADA P/TALLER Y HERRERÍA	110 VOLTS / 220 VOLTS	50 KG
SOLDAMEX 300 AMP	PLANTA PESADA P/TALLER Y HERRERÍA	110 VOLTS / 220 VOLTS	65 KG

# PINTURAS



**BROCHA  
TRUPPER**



**BROCHA  
NOBLE 3"**



**ESPATULAS**



**LLANA DE  
ENTRADA**



**LUBRICANTE  
SPRAY  
WT-400**



**PRO ZINTLUX**



**PISTOLA DE DISCO**



**CROMATO  
DE ZINC**



**PRIMER**



**PRO ZINTLUX**



**ESMALTE**



**PASTA BLANCA**



**GAS BRUTANO**