



LA FERRE®

LA FERRETERÍA CON TODO EN ACERO

LA RED ACERERA MÁS GRANDE DE MÉXICO

PORTAFOLIO DE PRODUCTOS



ACERO COMERCIAL

- Ángulos • Viga IPS • Soleras • Redondos • Cuadrados



ACERO ESTRUCTURAL

- Canal U • HSS • Viga IPR



PERFILES COMERCIALES

- Perfil pintado • Perfil galvanizado • PTR
- Tubería redonda, cuadrada y rectangular
- Canal monten • Perfil tubular • Perfiles de puertas y ventanas



PLACA

- Placa en rollo • Placa en hoja



LÁMINA

- Negra • Galvanizada • Pintada • Zintroalum • Desplegada
- Rolada en frío y caliente • Acanalada • Lisa
- Antiderrapante • Galvateja • Losacero



TUBERÍA

- Mecánica • Galvanizada • Negra lisa con costura
- Tubo estructural



ALAMBRES Y DERIVADOS

- Varilla • Alambre • Alambrón • Mallas
- Cadenas • Clavos • Cribas



HERRAMIENTAS

- Eléctrica y manual • Máquinas para soldar
- Máquinas de corte • Motobombas • Taladros • Rotomartillos
- Generadores y mucho más



FERRETERÍA

- Herrajes • Seguridad industrial • Eléctrico • Jardinería,
- Agrícola • Automotriz • Carpintería • Construcción
- Estructurista • Herrería • Mecánico • Medición
- Pintura • Plomería

PLACA

Pies	Metros	Kilogramos por Hoja															
		2	1/2	1/4	1	7/8	3/4	5/8	1/2	3/8	5/16	1/4	3/16				
Espesor	Pulgadas mm	50.8	38.1	31.8	25.4	22.2	19.1	15.9	12.7	9.5	7.9	6.4	4.8				
3x8	(.914 x 2.44)	889	667	557	445	389	334	278	222	166	138	112	84				
3x10	(.914 x 3.05)	1112	834	696	556	486	418	348	278	208	173	140	105				
3x20	(.914 x 6.10)	2223	1667	1392	1112	972	836	696	556	416	346	280	210				
4x80	(1.22 x 2.44)	1187	890	743	594	519	446	372	297	222	185	150	112				
4x10	(1.22 x 3.05)	1484	1113	929	742	648	558	464	371	278	231	187	140				
4x12	(1.22 x 3.66)	1781	1336	1115	890	778	670	557	445	333	277	224	168				
4x20	(1.22 x 6.10)	2968	2226	1858	1484	1297	1116	929	742	555	461	373	280				
5x20	(1.52 x 6.10)	3697	2773	2315	1849	1616	1390	1157	924	692	575	466	349				
6x20	(1.83 x 6.10)	4452	3339	2787	2226	1945	1674	1393	1113	833	692	561	421				
8x20	(2.40 x 6.10)	5935	4452	3715	2968	2594	2232	1858	1484	1110	923	748	552				
	Kgr/m ²	398.78	299.08	249.63	199.39	174.27	149.94	124.82	99.70	74.58	62.01	50.24	37.68				

Tipos de Acero SAE 1^o ASTM A-36 A-283-C A-285-C A-572-50 A-515-70

Lámina negra en hoja
ROLADA EN CALIENTE Y FRIO

Calibre	Espesor		Peso aprox. por hoja en kilogramos				Peso Aprox kg/m ²
	mm	pulg	3'x8'	3'x10'	4'x8'	4'x10'	
10	3.42	0.1345	.914x2.44	.914x3.05	1.22x2.44	1.22x3.05	27.46
1/8"	3.17	0.125	56.911	71.140	75.866	94.832	25.53
11	3.04	0.1196	54.432	68.040	72.574	90.718	24.41
12	2.66	0.1046	47.628	59.535	63.503	79.373	21.36
13	2.28	0.897	40.824	51.030	54.431	68.039	18.30
14	1.91	0.0747	34.020	42.525	45.359	56.699	15.25
15	1.71	0.673	30.617	38.271	40.823	51.029	13.73
16	1.52	0.598	27.216	34.020	36.287	45.359	12.20
17	1.37	0.538	24.494	30.618	32.659	40.823	10.98
18	1.21	0.478	21.773	27.216	29.030	36.287	9.76
19	1.06	0.418	19.051	23.814	25.401	31.751	8.54
20	0.91	0.359	16.330	20.412	21.772	27.215	7.32
21	0.84	0.329	14.969	18.711	19.958	24.947	6.71
22	0.76	0.299	13.608	17.010	18.144	22.680	6.10
23	0.68	0.269	12.247	15.309	16.326	20.412	5.49
24	0.61	0.239	10.886	13.608	14.515	18.144	4.88
25	0.53	0.209	9.526	11.907	12.701	15.876	4.27
26	0.45	0.179	8.165	10.206	10.886	13.608	3.66

LAMINA GALVANIZADA LISA EN HOJA

Calibre	Espesor		kg/m		Peso aprox por hoja				
	mm	pulg	3	4	3 X6	3 X8	3 X10	4 X8	4 X10
10	3.454	0.1360	24.77	33.80	45.33	60.44	75.55	83.00	103.00
12	2.695	0.1061	19.32	25.76	35.36	47.14	58.93	62.85	78.57
14	1.936	0.762	13.87	18.50	25.38	33.84	42.30	45.14	56.33
16	1.557	0.613	11.15	14.87	63.50	20.40	27.21	34.01	36.28
18	1.252	0.493	8.97	11.96	16.42	21.89	27.36	29.18	36.48
20	0.950	0.374	6.80	9.06	12.44	16.59	20.74	22.11	27.63
22	0.798	0.314	5.70	7.60	10.43	13.91	17.39	18.54	23.18
24	0.569	0.0224	4.06	5.42	8.32	11.10	13.88	14.81	18.51
26	0.493	0.194	3.52	4.69	6.44	8.59	10.74	11.44	14.30
28	0.417	0.164	2.97	3.96	5.44	7.25	9.06	9.66	12.08
30	0.343	0.135	2.440		4.47	5.95	7.44		

LAMINA ANTIDERRAPANTE

Calibre	Espesor		KG/Hoja				Peso kg/m ²
	Pulgada	mm	3'X10'	4'X10'	5'X10' *	5'X20' *	
14	0.075	1.905	51	68			18.31
12	0.105	2.667	71	95			25.63
1/8	0.125	3.175	84	112	139	279	30.02
3/16	0.188	4.775	118	158	197	395	42.47
1/4	0.250	6.350	153	204	255	510	54.92
3/8 *	0.375	9.525		297			79.82

* Medidas y productos sobre pedido.

VIGAS IPR

Dimensiones Pulgadas	Peso Aprox.		Dimensiones en mm.				
	lb/ft	kg/m	Peralte Exterior A	Peralte Interior B	Espesor Peralte C	Ancho Patin D	Espesor Patin E
4 x 4	13	19.3	106	88	7.1	103	8.8
5 x 5	16	23.8	127	109	6.1	127	9.1
	19	28.3	131	109	6.9	128	10.9
	8.5	12.6	152	140	4.5	100	4.6
6 x 4	9	13.5	150	139	4.3	100	5.5
	12	17.9	153	138	5.8	102	7.1
	16	23.8	160	139	6.6	102	10.3
6 x 6	15	22.3	152	139	5.8	152	6.6
	20	29.8	157	138	6.6	153	9.3
	25	37.2	162	139	8.1	154	11.6
8 x 4	10	14.9	200	190	4.3	100	5.2
	13	19.3	203	190	5.8	102	6.5
	15	22.3	206	190	6.2	102	8
8 x 5 ¼	18	26.8	207	190	5.8	133	8.4
	21	31.3	210	190	6.4	134	10.2
	24	35.7	201	181	6.2	201	10.2
	28	41.7	205	181	7.2	205	11.8
8 x 8	31	46.1	203	181	7.2	203	11
	35	52.1	206	181	7.9	204	12.6
	40	59.5	210	182	9.1	205	14.2
	48	71.4	216	181	10.2	206	17.4
	58	86.3	222	181	13	209	20.6
	67	99.7	229	182	14.5	210	23.7
10 x 4	12	17.9	251	240	4.8	101	5.3
	15	22.3	254	240	5.8	102	6.9
	17	25.3	257	240	6.1	102	8.4
	19	28.3	260	240	6.4	102	10
10 x 5 ¾	22	32.7	258	240	6.1	146	9.1
	26	38.7	262	240	6.6	147	11.2
	30	44.6	266	240	7.6	147	13
10 x 8	33	49.1	247	225	7.4	202	11
	39	58	252	225	8	203	13.5
	45	67	257	226	8.9	204	15.7
10 x 10	49	72.9	253	225	8.6	254	14.2
	54	80.4	256	225	9.4	255	15.6
	60	89.3	260	225	10.7	256	17.3
	68	101	264	225	11.9	257	19.6
	77	115	269	225	13.5	259	22.1
	88	131	275	225	15.4	261	25.1
	100	149	282	225	17.3	263	28.4
112	167	289	225	19.2	265	31.8	
12 X 4	14	20.8	303	292	5.1	101	5.7
	16	23.8	305	292	5.6	101	6.7
	19	28.3	309	291	6.0	102	8.9
	22	32.7	313	291	6.6	102	10.8
12 X 6 1/2	26	38.7	310	291	5.8	165	9.7
	30	44.6	313	291	6.6	166	11.2
	35	52.1	317	291	7.6	167	13.2
12 X 8	40	59.5	303	277	7.5	203	13.1
	45	67.0	306	277	8.5	204	14.6
	50	74.4	310	277	9.4	205	16.3
12 X 10	53	78.9	306	277	8.8	254	14.6
	58	86.3	310	277	9.1	254	16.3

*Medidas y productos sobre pedido.

VIGAS IPR

Dimensiones Pulgadas	Peso Aprox.		Dimensiones en mm.				
	lb/ft	kg/m	Peralte Exterior A	Peralte Interior B	Espesor Peralte C	Ancho Patin D	Espesor Patin E
12 X 12	65	97	308	277	9.9	305	15.4
	72	107	311	277	10.9	306	17.0
	79	118	314	277	11.9	307	18.7
	87	129	318	277	13.1	308	20.6
	96	143	323	277	14.0	309	22.9
	96	143	323	277	14.0	309	22.9
	106	158	327	277	15.5	310	25.1
	120	179	333	277	18.0	313	28.1
	136	202	341	277	20.1	315	31.8
	152	226	348	277	22.1	317	35.6
	170	253	356	277	24.4	319	39.6
	190	283	365	277	26.9	322	44.1
	210	313	374	277	30.0	325	48.3
	230	382	382	277	32.6	328	52.6
	252	375	391	277	35.4	330	57.2
	279	415	403	277	38.9	334	62.7
	305	454	415	277	41.3	336	68.7
336	500	427	277	45.1	340	75.1	
14 X 5	22	32.7	349	332	5.8	127	8.5
	26	39	353	332	6.5	128	10.7
14 X 6 3/4	30	44.6	352	332	6.9	171	9.8
	38	50.6	355	332	7.2	171	11.6
	38	56.6	358	332	7.9	172	13.1
14 X 14 1/2	90	134	356	320	11.2	369	18.0
	99	147	360	320	12.3	370	19.8
	109	162	364	320	13.3	371	21.8
	120	179	368	320	15.0	373	23.9
	132	196	372	320	16.4	374	26.2
14 X 16	145	216	375	320	17.3	394	27.7
	159	237	380	320	18.9	395	30.2
	176	262	387	320	21.1	398	33.3
	193	287	393	320	22.6	399	36.6
	211	314	399	320	24.9	401	39.6
	233	34	407	320	27.2	404	43.7
	257	382	416	320	29.8	406	48.0
	283	421	425	320	32.8	409	52.6
	311	463	435	320	35.8	412	57.4
	342	509	446	321	39.1	416	62.7
	370	551	455	320	42.0	418	67.7
	398	592	465	320	45.0	421	72.3
	426	634	474	320	47.6	424	77.1
	455	677	483	320	51.2	428	81.5
	500	744	498	320	55.6	432	88.9
	550	818	514	320	60.5	437	97.0
605	900	531	319	65.9	442	106.0	
665	990	550	320	71.9	448	115.0	
730	1086	569	319	78.0	454	125.0	
16 X 5 1/2	26	38.7	399	381	6.4	140	8.8
	31	46.1	403	381	7.0	140	11.2
16 X 7	36	53.6	403	381	7.5	177	10.9
	40	59.5	407	381	7.7	178	12.8
	45	67.0	410	381	8.8	179	14.4
	50	74.4	413	381	9.7	180	16.0
	57	84.8	417	381	10.9	181	18.2
16 X 10 1/4	67	99	415	381	10.0	260	16.9
	77	115	420	381	11.6	261	19.3
	89	132	425	381	13.3	263	22.2
	100	149	431	381	14.9	265	25.0

VIGAS IPR

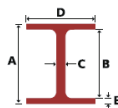
Dimensiones Pulgadas	Peso Aprox.		Dimensiones en mm.				
	lb/ft	kg/m	Peralte Exterior A	Peralte Interior B	Espesor Peralte C	Ancho Patin D	Espesor Patin E
18 X 6	35	52.1	450	428	7.6	152	10.8
	40	59.5	455	428	8.0	153	13.3
	46	68.5	459	428	9.1	154	15.4
18 X 7 1/2	41	61.0	450	430	8.1	189	10.9
	45	67.0	454	432	8.6	190	12.7
	50	74.4	457	428	9.0	190	14.5
	55	81.8	460	428	9.9	191	16.0
	60	89.3	463	428	10.5	192	17.7
	65	96.7	466	428	11.4	193	19.0
	71	106.0	469	428	12.6	194	20.6
18 X 11	76	113.0	463	428	10.8	280	17.3
	86	128.0	467	428	12.2	282	19.6
	97	144.0	472	428	13.6	283	22.1
	106	158.0	476	428	15.0	284	23.9
	119	177.0	482	428	16.6	286	26.9
	130	193.0	489	428	17.0	283	30.5
	143	213.0	495	428	18.5	285	33.5
	158	235.0	501	428	20.6	287	36.6
	175	260.0	509	428	22.6	289	40.4
	192	288.0	517	428	24.4	29	44.4
	211	314.0	525	428	26.9	293	48.5
	234	348.0	535	428	29.5	296	53.6
	258	384.0	545	428	32.5	299	58.4
283	421.0	555	428	35.6	302	63.5	
311	463.0	567	428	38.6	305	69.6	
21 X 6 1/2	44	65.5	525	502	8.9	165	11.4
	50	74.4	529	502	9.7	166	13.6
	57	84.8	535	502	10.3	166	16.5
21 x 8 1/4	48	71.4	524	500	9.0	207	11.9
	55	81.8	528	501	9.5	209	13.3
	62	92.3	533	502	10.2	209	15.6
	68	101.0	537	502	10.9	210	17.4
	73	109.0	539	501	11.6	211	18.8
	83	124.0	544	502	13.1	212	21.2
	93	138.0	549	502	14.7	214	23.6
21 x 12 1/4	101	150.0	543	502	12.7	312	20.3
	111	165.0	546	502	14.0	313	22.2
	122	182.0	551	501	15.2	315	24.4
	132	196.0	554	502	16.5	316	26.3
	147	219.0	560	502	18.3	318	29.2
	166	247.0	571	502	19.0	315	34.5
	182	271.0	577	502	21.1	317	37.6
	201	299.0	585	502	23.1	319	41.4
	223	332.0	593	502	25.4	322	45.5
	248	369.0	603	502	27.9	324	50.5
	275	409.0	613	502	31.0	327	55.6
24 X 7	55	81.0	599	573	10	178	12.8
	62	92.3	603	573	10.9	179	15.0
24 x 9	56	83.3	596	573	9.0	226	11.7
	61	90.8	598	573	9.7	227	12.7
	68	101.0	603	573	10.5	228	14.9
	76	113.0	608	573	11.2	228	17.3
	84	125.0	612	573	11.9	229	19.6
	94	140.0	617	573	13.1	230	22.2
	103	153.0	623	573	14.0	229	24.9

VIGAS IPR

Dimensiones Pulgadas	Peso Aprox.		Dimensiones en mm.				
	lb/ft	kg/m	Peralte Exterior A	Peralte Interior B	Espesor Peralte C	Ancho Patin D	Espesor Patin E
24 x 12 3/4	104	155.0	611	573	12.7	324	19.0
	117	174.0	616	573	14.0	325	21.6
	131	195.0	622	573	15.0	327	24.4
	146	217.0	628	573	16.5	328	27.7
	162	241.0	635	573	17.9	329	31.0
	176	262.0	641	573	19.0	327	34.0
	192	286.0	647	573	20.6	329	37.1
	207	308.0	653	573	22.1	330	39.9
	229	341.0	661	573	24.4	333	43.9
	250	372.0	669	573	26.6	335	48.0
	279	415.0	679	573	29.5	338	53.1
	306	455.0	689	573	32.0	340	57.9
	335	499.0	699	573	35.1	343	63.0
	370	551.0	711	573	38.6	347	69.1
27 x 10	84	125.0	678	645	11.7	253	16.3
	94	140.0	684	646	12.4	254	18.9
	102	152.0	688	646	13.1	254	21.1
	114	170.0	693	646	14.5	256	23.6
	129	192.0	702	646	15.5	254	27.9
27 X 14	146	217.0	695	645	15.4	355	24.8
	161	240.0	701	646	16.8	356	27.4
	178	265.0	706	647	18.4	358	30.2
	194	289.0	714	645	19.0	356	34.0
	217	323.0	722	650	21.1	359	38.1
	235	350.0	728	647	23.1	360	40.9
	258	384.0	736	647	24.9	362	45.0
	281	418.0	744	648	26.9	364	49.0
	307	457.0	753	648	29.5	367	53.1
	336	500.0	762	649	32.0	369	57.9
368	548.0	772	647	35.1	372	63.0	

* Medidas y productos sobre pedido.

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



VIGAS I.P.S.

Peralte Pulg	Patín mm	(mm) Ancho	Alma mm	Peso aprox. Kg/mt
3	76.2	59.23	4.3	8.48
4	101.6	67.64	4.9	11.46
5	127.0	76.3	5.4	14.88
6	152.4	84.63	5.9	18.60
8	200.0	89.99	7.5	26.19

PERFIL TUBULAR CUADRADOS



AC-050	
Calibre	Peso x pieza
20	2.22
18	2.90

AC-150	
Calibre	Peso x pieza
20	6.63
18	8.80
16	10.9
14	13.08



AC-075	
Calibre	Peso x pieza
20	3.28
18	4.30

AC-175	
Calibre	Peso x pieza
16	12.60
14	15.60



AC-100	
Calibre	Peso x pieza
20	4.34
18	5.70

AC-200	
Calibre	Peso x pieza
18	11.70
16	14.45
14	18



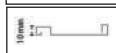
AC-125	
Calibre	Peso x pieza
20	5.58
18	7.34
16	9.1
14	10.68

AC-250*	
Calibre	Peso x pieza
16	17.52
14	21.60
12	29.49



A-170*	
Calibre	Peso x pieza
20	9.60

A-159*	
Calibre	Peso x pieza
18	10.39



A-171*	
Calibre	Peso x pieza
20	5.17

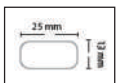
A-1500	
Calibre	Peso x pieza
16	15.00



A-1400	
Calibre	Peso x pieza
18	7.80

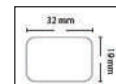
* Medidas y productos sobre pedido.

PERFIL TUBULAR RECTANGULARES



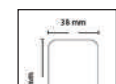
AR-200	
Calibre	Peso x pieza
20	3.20
18	4.30

AR-229	
Calibre	Peso x pieza
20	5.38
18	7.18



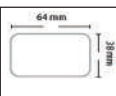
AR-125	
Calibre	Peso x pieza
18	5.93
20	4.51

AR-225	
Calibre	Peso x pieza
20	6.81
18	8.97



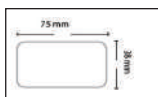
AR-400	
Calibre	Peso x pieza
20	12.00
18	16.20
16	19.80
14	24.6

AR-200	
Calibre	Peso x pieza
20	6.63
18	8.80

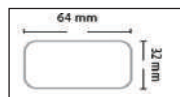


AR-300	
Calibre	Peso x pieza
20	9.60
18	13.20
16	16.20
14	20.40

AR-175	
Calibre	Peso x pieza
20	5.67
18	7.46



AR-250	
Calibre	Peso x pieza
20	8.50
18	11.71



AR-249	
Calibre	Peso x pieza
20	8.50
18	11.20

PERFIL TUBULAR

	A-103		
	Calibre 20	Peso x pieza 6.60	
	18	9.00	
	A-101		
	Calibre 20	Peso x pieza 5.60	
	18	7.80	
	A-121		
	Calibre 20	Peso x pieza 5.80	
	18	8.40	
	AP-126		
	Calibre 20	Peso x pieza 7.80	
	18	10.40	
	A-154		
	Calibre 20	Peso x pieza 1.20	
	18	1.50	
	A-106		
	Calibre 20	Peso x pieza 6.60	
	18	9.00	
	A-122		
	Calibre 20	Peso x pieza 5.80	
	18	8.40	
	A-123		
	Calibre 20	Peso x pieza 6.50	
	18	8.55	
	AK-150		
	Calibre 20	Peso x pieza 7.92	
	18	10.3	
	A-160		
	Calibre 20	Peso x pieza 6.70	
	18	9.00	
	A-130		
	Calibre 20	Peso x pieza 6.60	
	18	9.00	
	A-167 *		
	Calibre 20	Peso x pieza 8.80	
	18	11.60	
	AP-150		
	Calibre 20	Peso x pieza 7.50	
	18	9.90	
	AP-200		
	Calibre 20	Peso x pieza 8.40	
	18	11.4	
	AP-250		
	Calibre 20	Peso x pieza 9.69	
	18	12.8	
	A-124		
	Calibre 20	Peso x pieza 4.20	
	18	4.20	
	AK-127		
	Calibre 20	Peso x pieza 8.87	
	18	11.51	
	A-120		
	Calibre 20	Peso x pieza 6.20	
	18	8.40	
	A-144		
	Calibre 20	Peso x pieza 7.20	
	18	9.60	

* Medidas y productos sobre pedido

PTR PERFIL TUBULAR

Pesos teóricos calculados según especificaciones del fabricante de lámina

Dimensiones		Calibre	Color	Espesor(mm)	Peso Aprox. Kg/pz de 6mts	Piezas x atado
Pulgadas	Milímetros					
1X1	25.4 x 25.4	16	Negro	1.52	7.12	100
		14	Azul	1.89	8.65	120
		12	Verde	2.66	11.22	100
		10	Rojo	3.42	13.62	81
1 1/4 x 1 1/4	31.7 x 31.7	16	Negro	1.52	9.11	81
		14	Azul	1.89	10.70	100
1 1/2 x 1 1/2	38.1 x 38.1	16	Negro	1.52	10.88	49
		14	Azul	1.89	13.10	72
		12	Blanco	2.66	17.76	56
		11	Verde	3.04	19.98	49
2x1	50.8 x 25.4	9	Rojo	3.80	24.12	42
		14	Azul	1.89	13	64
2x2	50.8 x 50.8	14	Azul	1.89	17.70	56
		12	Blanco	2.66	24.30	42
		11	Verde	3.04	27.30	36
		9	Rojo	3.80	33.36	30
2 1/2 x 1 1/4*	63.5 x 31.7	14	Azul	1.89	15.85	50
2 1/2 x 1 1/2	63.5 x 38.1	14	Azul	1.89	18.00	50
		14	Azul	1.89	22.19	42
2 1/2 x 2 1/2	63.5 x 63.5	11	Blanco	3.04	34.92	30
		9	Verde	3.80	42.78	25
		7	Rojo	4.55	50.22	20
		14	Azul	1.89	19.00	50
3 x 1 1/2	76.2 x 38.1	14	Azul	1.89	27.59	36
		11	Blanco	3.04	42.54	25
		9	Verde	3.80	52.32	20
		7	Rojo	4.55	61.68	16
3 x 3	76.2 x 76.2	14	Azul	1.89	31.65	36
		11	Blanco	3.04	50.04	20
		9	Verde	3.80	61.68	16
		7	Rojo	4.55	72.96	16
3 1/2 x 3 1/2	88.9 x 88.9	14	Azul	1.89	22.14	42
		11	Blanco	3.04	34.92	30
		9	Verde	3.80	42.78	25
		7	Rojo	4.55	50.22	20
4 x 1 1/2	101.6 x 38.1	14	Azul	1.89	25.00	50
		14	Azul	1.89	27.59	36
		11	Blanco	3.04	42.54	25
		9	Verde	3.80	52.32	20
4 x 2	101.6 x 50.8	7	Rojo	4.55	61.68	18
		14	Azul	1.89	31.65	36
		11	Blanco	3.04	50.04	20
		9	Verde	3.80	61.68	16
4 x 3	101.6 x 76.2	7	Rojo	4.55	72.96	16
		9	Verde	3.80	61.68	16
		11	Blanco	3.04	50.04	20
		14	Azul	1.89	36.20	30
4 x 4	101.6 x 101.6	14	Azul	1.89	36.20	30
		11	Blanco	3.04	57.60	20
		9	Verde	3.80	72.18	16
		7	Rojo	4.55	85.80	16

* Medidas y productos sobre pedido.

TUBO C30 / C40
TUBO MECANICO

DIAM. INT.	DIAM. EXT.	ESPESOR	CAL.	CED.	LONG (MTS)	Kg/Mts	Kg/Pza	Kg x Paq
1/2"	0.84	0.75	14	30	6.1		5.76	127
		0.109	14	40	6.1		8.13	127
3/4"	1.050	0.75	14	30	6.1	0.87	5.29	482
		0.105	12	40	6.1	1.18	7.53	685
1"	1.250	0.75	14	30	6.1	1.45	8.86	806
		0.135	10	40	6.1	2.50	15.97	1454
1"	1.315	0.75	14	30	6.1	1.56	9.53	868
		0.135	10	40	6.1	2.70	17.27	1517
1.25"	1.580'	0.59	16		6.0	1.18	7.05	430
		0.75	14		6.1	1.97	12.00	732
1.25"	1.660'	0.89	13	30	6.1	2.35	14.34	874
		0.135	10	40	6.1	3.44	22.03	1344
		0.75	14		6.1	2.26	13.76	8.39
1.5"	1.900'	0.89	13	30	6.1	2.69	16.43	1002
		0.135	10	40	6.1	3.95	25.28	1542
		0.75	14		6.1	2.83	17.26	639
2"	1.375'	0.104	12	30	6.1	3.92	23.9	884
		0.148	9	40	6.1	5.53	35.4	1310
		0.75	14		6.1	3.43	20.92	774
2.5"	2.875'	0.104	12	30	6.1	4.76	29.06	1075
		0.170	7	40	6.1	8.00	51.21	1895
		0.75	14		6.1	4.17	25.44	483
3"	3.500'	0.120	11	30	6.1	6.64	40.51	770
		0.179	7	NX	6.1	9.77	62.53	1188
		0.250	1/4	40	6.1	13.49	86.34	1640
		0.75	14		6.1	5.39	32.88	625
4"	4.500'	0.120	11	30	6.1	8.54	52.08	990
		0.179	7	NX	6.1	80.77	12.62	1535
		0.250	1/4	40	6.1	111.74	17.46	2123
		0.75	14		6.1	5.39	32.88	625

TUBERIA ESTRUCTURAL

DIAMETRO NOMINAL	Diam. Ext.		ESPESOR DE PARED						
	Pulg.	mm	Frac. Pulg.	Milésimas			Peso aprox.		
				Pulg.	mm	Cédula	Lb/pie	Kg/m	
6"	6 5/8"	168.3	3/16"	0.188"	4.78	30.00	12.92	19.35	
			1/4"	0.250"	6.35	30.00	17.02	25.55	
			9/32"	0.280"	7.10	40.00	18.97	28.22	
8"	8 5/8"	219.1	3/8"	0.375"	9.50	40.00	24.99	37.20	
			3/16"	0.188"	4.78	10	16.94	25.37	
			7/32"	0.219"	5.60	20	19.66	29.48	
			1/4"	0.250"	6.35	20	22.36	33.57	
			5/16"	0.312"	7.90	30	27.70	41.14	
				0.322"	8.20	40	28.55	42.65	
			3/8"	0.375"	9.50	40	33.04	49.10	
			1/2"	0.500"	12.70	80	43.99	65.47	
			3/16"	0.188"	4.78	10	21.21	31.76	
			7/32"	0.219"	5.60	10	24.63	36.94	
10"	10 3/4"	273.1	1/4"	0.250"	6.35	20	24.66	36.69	
				0.307"	7.80	30	28.04	42.09	
				0.365"	9.27	40	34.24	51.03	
			3/8"	0.375"	9.50	40	40.48	60.50	
			1/2"	0.500"	12.70	60	41.10	61.16	
				0.500"	12.70	60	54.80	81.55	
12"	12 3/4"	323.9	3/16"	0.188"	4.78	10	25.22	37.77	
			7/32"	0.219"	5.60	10	29.31	43.96	
				0.225"	5.72	10	30.30	45.09	
			1/4"	0.250"	6.35	20	33.38	50.11	
			3/8"	0.375"	9.50	CED. EST.	49.56	73.65	
			13/32"	0.406"	10.30	40	53.52	79.65	
				0.210"	5.30	10	30.93	45.78	
				0.225"	5.72	10	32.68	48.63	
14"	14"	355.6	1/4"	0.250"	6.35	10	36.71	55.11	
			5/16"	0.312"	7.90	20	45.61	67.74	
			3/8"	0.375"	9.50	30	54.57	81.08	
				0.438"	11.10	40	63.44	94.30	
				0.465"	11.81	40	67.87	101.00	
			1/2"	0.500"	12.70	EXT. FTE.	72.09	107.39	
			7/32"	0.219"	5.60	10	36.91	55.35	
				0.225"	5.72	10	37.28	55.48	
			1/4"	0.250"	6.35	10	42.05	63.13	
				0.281"	7.14	20	47.17	69.91	
16"	16"	406.4	5/16"	0.312"	7.90	20	52.27	77.63	
			3/8"	0.375"	9.50	30	62.58	92.98	
			1/2"	0.500"	12.70	40	82.77	123.30	
			1/4"	0.250"	6.35	10	47.39	71.12	
			5/16"	0.312"	7.90	20	58.94	87.49	
			3/8"	0.375"	9.50	CED. EST.	70.59	104.84	
18"	18"	457.2	1/2"	0.500"	12.70	EXT. FTE.	93.45	139.15	
			1/4"	0.250"	6.35	10	52.73	79.16	
			5/16"	0.312"	7.90	20	65.60	97.43	
			3/8"	0.375"	9.50	20	78.60	116.78	
20"	20"	508.0	1/2"	0.500"	12.70	30	104.13	155.12	

ÁNGULOS (LADOS IGUALES)

Ángulos a 6.10 mts. (20 pies)					
ESPESOR	ANCHO	ESPESOR	ANCHO	PESO	
PULGADA		MM		KG/M	
0.109	x1	2.8	x 25.4	1.05	
	x1 1/4		x 31.7	1.33	
	x1 1/2		x 38.1	1.61	
1 / 8	x 3/4	3.2	x 19.0	0.88	
	x1		x 25.4	1.19	
	x1 1/4		x 31.7	1.50	
	x1 1/2		x 38.1	1.83	
	x2		x 50.8	2.46	
3 / 16	x 1	4.8	x 25.4	1.73	
	x1 1/4		x 31.7	2.20	
	x1 1/2		x 38.1	2.68	
	x1 3/4		x 44.4	3.15	
	x2		x 50.8	3.63	
	x2 1/2		x 63.5	4.57	
1 / 4	x3	6.3	x 76.2	5.52	
	x1		x 25.4	2.22	
	x1 1/4		x 31.7	2.86	
	x1 1/2		x 38.1	3.48	
	x2		x 50.8	4.75	
	x2 1/2		x 63.5	6.10	
	x3		x 76.2	7.29	
5 / 16	x4	7.9	x 101.6	9.82	
	x 3		x 76.2	9.08	
3 / 8	x2	9.5	x 50.8	6.99	
	x2 1/2		x 63.5	8.78	
	x3		x 76.2	10.71	
	x4		x 101.6	14.58	
	x5		x 127.0	18.3	
	x6		x 152.4	22.17	
1 / 2	1/2 x 3	12.7	x 76.2	13.99	
	x4		x 101.6	19.05	
	x6		x 152.4	29.16	
3 / 4	x 4	19.1	x 101.6	27.53	
	x 6		x 152.4	42.71	
	x 8		x 203.2	58.08	

Se manejan en Acero A-36 ò A-529 °50

ÁNGULOS (LADOS DESIGUALES)

Ángulos a 6.10 mts. (20 pies)					
ESPESOR	ANCHO	ESPESOR	ANCHO	PESO	
PULGADA		MM		KG/M	
3/16	x 3 x 2	4.8	x 76.2 x 50.8	4.57	
1/4	x 3 x 2	6.3	x 76.2 x 50.8	6.10	

Ángulos a 12.20 mts. (40 pies)

ESPESOR	ANCHO	ESPESOR	ANCHO	PESO	
PULGADA		MM		KG/M	
1/4	x 4 x 3	6.3	x 101.6 x 76.2	8.63	
5/16	x 6 x 4	7.9	x 152.4 x 101.6	15.33	
3/8	x 4 x 3	9.5	x 101.6 x 76.2	12.65	
	x6 x 4	9.5	x 152.4 x 101.6	18.3	
1/2	x 6 x 4	12.7	x 152.4 x 101.6	24.11	

Se manejan en Acero A-36 ò A-529°50

SOLERAS

Soleras a 6.10 mts. (20 pies)

	Pulgada	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	22.8
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

SOLERAS

Soleras a 6.10 mts. (20 pies)				
Pulgada		MM.	Kg/m	
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 1 1/2	19.0	19.0 x 38.1	5.70
	x 2		x 50.8	7.59
	x 2 1/2		x 63.5	9.49
	x 3		x 76.2	11.4
	x 4		x 101.6	15.18
	x 5		x 127.0	18.99
	x 6		x 152.4	22.8
	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 50.8	10.13
	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

Se manejan en Acero A-36

SOLERAS

Soleras a 12.20 mts. (40 pies) *				
Pulgada		MM.	Kg/m	
5/16	5/16 x 6	7.9	x 152.4	9.49
	x 8		x 203.2	12.65
	x 10		x 254.0	15.77
3/8	3/8 x 6	9.5	x 152.4	11.4
	x 8		x 203.2	15.18
	x 10		x 254.0	18.99
	x 12		x 304.8	22.8
1/2	x 6*	12.7	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 6	15.9	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 8	19.0	x 203.2	30.35
	x 10		x 254.0	37.97
	x 12		x 304.8	45.59
1	x 8	25.4	x 203.2	40.47
	x 10		x 254.0	50.65
	x 12		x 304.8	60.71

*Medidas y productos sobre pedido y volumen

REDONDOS Y CUADRADOS

Pulgada	mm.	Redondos (Kg/m)	Cuadrados (Kg/m)
3/8*	9.5	0.56	0.71
12 mm*	12.0	-----	1.20
1/2	12.7	0.99	1.27
5/8	15.9	1.55	1.98
3/4	19.0	2.24	2.85
7/8	22.2	3.04	-----
1	25.4	3.98	5.06
1 1/8	28.6	5.03	-----
1 1/4	31.7	6.21	-----
1 1/2	38.1	8.95	11.39
1 3/4	44.4	12.18	-----
2	50.8	15.91	20.25
2 1/2	63.5	24.85	-----
3	76.2	35.78	-----

*También se manejan retorcidos

REDONDO BRILLANTE

Pulgada	mm.	Kg/m
3/16	4.8	0.14
1/4	6.3	0.25
5/16	7.9	0.39
3/8	9.53	0.56

FERRO T

Pulg.	mm	kg/m	KGPZ 6m
1/8 x 1	3.2 x 25.4	1.32	7.92

CANALES / CANAL U

PERFIL	PESO			ANCHO DEL PATÍN		ESPESOR DEL PATÍN		ESPESOR DEL ALUMA	
	MM.	KG/M	LBS/FT	PUGADA	MM.	PUGADA	MM.	PUGADA	MM.
3	76.2	5.20	3.50	1.372	35	0.273	6.9	0.132	3.4
		6.10	4.10	1.410	36	0.273	6.9	0.170	4.3
4	101.6	6.70	4.50	1.584	40	0.296	7.5	0.125	3.2
		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
		15.63	10.50	2.034	51	0.343	8.7	0.314	8.0
		19.35	13.00	2.157	55	0.343	8.7	0.437	11.1
7*	177.8	14.60	9.80	2.090	53	0.366	9.3	0.210	5.3
8	203.2	17.11	11.50	2.260	57	0.390	9.9	0.220	5.6
		20.46	13.75	2.343	59	0.390	9.9	0.303	7.7
		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
		29.76	20.00	2.739	69	0.436	11.1	0.379	9.6
		37.20	25.00	2.886	73	0.436	11.1	0.526	13.4
12*	304.8	44.64	30.00	3.033	76	0.436	11.1	0.673	17.1
		30.80	20.70	2.942	74	0.501	12.7	0.282	7.2
		37.20	25.00	3.047	77	0.501	12.7	0.387	9.8
15*	381.0	44.64	30.00	3.170	80	0.501	12.7	0.510	13.0
		50.40	33.90	3.400	86	0.650	16.5	0.400	10.2
		59.53	40.00	3.520	89	0.650	16.5	0.520	13.2
		74.50	50.00	3.716	94	0.650	16.5	0.716	18.2

* Medidas y productos sobre pedido.

MALLA ELECTROSOLDADA

Tipo	Diámetro del Alambre (mm)	Peso (Kg/m ²)	Tabla de Pesos Teóricos	
			Presentación	
			Rollo	Hoja
6x6 4/4	5.72	2.68	2.50x40 mts	2.50x6 mts
6x6 6/6	4.88	1.95	2.50x40 mts	2.50x6 mts
6x6 8/8	4.11	1.38	2.50x40 mts	2.50x6 mts
6x6 10/10	3.43	0.95	2.50x40 mts	2.50x6 mts

Malla

MALLA CICLÓN GALVANIZADA

Altura de Producto	Abertura del Rombo mm	Cal. 10.5	Cal. 11.0	Cal. 12.5	Cal. 13.0
1.00	55 X 55	10.5	11.0	12.5	0.0
1.25					
1.50					
1.75					
2.00					
1.00	69 X 69	0.0	0.0	0.0	13.0
1.25					
1.50					
1.75					
2.00					

MALLA AVICOLA Y GANADERA

Altura (m)	Abertura (mm)	Calibre	Largo (m)
0.90	13	23	45
0.90	20	22	45
1.20			
0.61	25		
1.00			
1.20			
1.50			
1.75	38		
1.50			
1.50	50	20	45
1.60			
1.75			

MALLA ALTA RESISTENCIA

Altura (m)	Cal / Diam. Orillero	Cal / Diam. Interior	Separación Alambre Vertical en cm	Largo (m)	Resistencia a la Ruptura Kg c / alambre
1.00	12.5 / 2.51	14.5 / 1.93	15	50	278
1.20					
1.40					
1.67					
2.00					

METAL DESPLEGADO

Nº Referencia	Referencia calibre (espesor mm) "D"	Kg / m ²	Sección (mm) "C"	Rombo (LCR) X (LLR) mm
A4-26	26 (0.45)	2.4	1.0	3 X 6
B8-26	26 (0.045)	1.5	1.0	5 X 10
B9-24	24 (0.61)	2.0	1.0	5 X 10
B10-22	22 (0.76)	2.4	1.0	5 X 10
B11-20	20 (0.91)	2.9	1.0	5 X 10
C13-26	26 (0.45)	0.9	1.0	8 x 16
C14-24	24 (0.61)	1.1	1.0	8 x 16
C15-22	22 (0.76)	2.3	1.5	8 x 16
C16-20	20 (0.91)	2.8	1.5	8 x 16
D17-24	24 (0.61)	1.4	1.5	11 x 22
D18-22	22 (0.76)	1.7	1.5	11 x 22
D19-20	20 (0.91)	2.0	1.5	11 x 22
D20-18	18 (1.21)	2.7	1.5	11 x 22
D21-16	16 (1.52)	3.4	1.5	11 x 22
E23-22	22 (0.76)	2.0	2.0	12 x 30
E24-20	20 (0.91)	2.4	2.0	12 x 30
E25-18	18 (1.21)	3.3	2.0	12 x 30
E26-16	16 (1.52)	4.1	2.0	12 x 30
E27-14	14 (1.90)	5.1	2.0	12 x 30
G32-20	20 (0.91)	1.8	2.5	20 x 40
G33-18	18 (1.21)	2.4	2.5	20 x 40
G34-16	16 (1.52)	3.0	2.5	20 x 40
G35-14	14 (1.90)	3.8	2.5	20 x 40
H37-18	18 (1.21)	2.3	3.0	25 x 50
H38-16	16 (1.52)	2.9	3.0	25 x 50
H39-14	14 (1.90)	3.6	3.0	25 x 50
H40-12	12 (2.66)	5.2	3.0	25 x 50
J45-16	16 (1.52)	2.8	4.0	35 x 70
J46-14	14 (1.90)	3.5	4.0	35 x 70

HSS (HOLLOW STRUCTURAL SECTION)

CUADRADO

Peso (Kg) Aprox. Por pieza de 12.20mts

Pulgadas	1/8"	3/16"	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	7/8"
4" x 4"	117.24	171.04	221.67	269.25	313.54	392.72			
4" 1/2 x 4 1/2	132.49	194.22	252.54	307.93	359.90	454.45			
5" x 5"	147.99	217.28	283.65	346.36	406.14	516.18			
5" 1/2 x 5" 1/2		240.58	314.39	385.03	452.62				
6" x 6"		263.76	345.26	423.71	498.86	639.77	769.82		
7" x 7"		310.12	406.99	500.93	591.46	763.48			
7" 1/2 x 7" 1/2		333.18	437.86	539.61	637.82	825.21			
8" x 8"		356.36	468.72	578.04	684.30	886.94	1,078.48		
9" x 9"		402.72	530.70	655.38	776.90	1,010.53			
10" x 10"		448.96	592.43	732.61	869.62	1,133.99	1,388.36	1,666.03	
12" x 12"		541.80	715.90	887.06	1,054.81	1,381.04	1,697.02	2,036.42	
14" x 14"				1,041.39	1,240.25	1,628.21	2,035.26	2,366.80	2,708.40
16" x 16"				1,195.60	1,425.57	1,875.51	2,306.00	2,732.80	3,147.60
18" x 18"						2,123.00	2,623.00	3,099.00	3,574.60
20" x 20"						2,367.00	2,928.00	3,477.00	4,013.80
22" x 22"								3,843.00	4,440.80

HSS (HOLLOW STRUCTURAL SECTION)

RECTANGULAR

KG aprox. por pieza de 12.20 mts.

Pulgadas	1/8"	3/16"	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"
5" x 3"	117.24	171.04	221.67	269.25	313.54	392.72		
6" x 2"	117.24	171.04	221.67	269.25	313.54	392.72		
5" x 4"	132.49	194.22	252.54	307.93	359.90	454.45		
6" x 3"	132.49	194.22	252.54	307.93	359.90	454.45		
7" x 2"	132.49	194.22	252.54	307.93	359.90	454.45		
6" x 4"	147.99	217.28	283.65	346.36	406.14	516.18		
7" x 3"	147.99	217.28	283.65	346.36	406.14	516.18		
8" x 2"	147.99	217.28	283.65	346.36	406.14	516.18		
6" x 5"		240.58	314.39	385.03	452.62	578.28		
7" x 4"		240.58	314.39	385.03	452.62	578.28		
8" x 3"		240.58	314.39	385.03	452.62	578.28		
7" x 5"		263.76	345.26	423.71	498.86	639.77		
8" x 4"		263.76	345.26	423.71	498.86	639.77		
9" x 3"		263.76	345.26	423.71	498.86	639.77		
10" x 2"		263.76	345.26	423.71	498.86	639.77		
8" x 6"		310.12	406.99	500.93	591.46	763.48		
9" x 5"		310.12	406.99	500.93	591.46	763.48		
10" x 4"		310.12	406.99	500.93	591.46	763.48		
12" x 2"		310.12	406.99	500.93	591.46	763.48		
8" x 7"		333.18	437.86	539.61	637.82	825.21		
9" x 6"		333.18	437.86	539.61	637.82	825.21		
10" x 5"		333.18	437.86	539.61	637.82	825.21		
12" x 3"		333.18	437.86	539.61	637.82	825.21		
9" x 7"		356.36	468.72	578.04	684.30	886.94		
10" x 6"		356.36	468.72	578.04	684.30	886.94	1,078.48	
12" x 4"		356.36	468.72	578.04	684.30	886.94		
10" x 8"		402.72	530.70	655.38	776.90	1,010.53	1,233.42	
12" x 6"		402.72	530.70	655.38	776.90	1,010.53	1,233.42	
14" x 4"		402.72	530.70	655.38	776.90	1,010.53		
12" x 8"		448.96	592.43	732.61	869.62	1,133.99	1,388.36	
14" x 6"		448.96	592.43	732.61	869.62	1,133.99	1,388.36	
16" x 4"		448.96	592.43	732.61	869.62	1,133.99	1,388.36	
12" x 1"			658.80	806.42	960.14	1,257.82	1,572.28	
18" x 4"			658.80	806.42	960.14	1,257.82		
14" x 10"		541.80	715.90	887.06	1,054.81	1,381.04	1,697.02	
16" x 8"		541.80	715.90	887.06	1,054.81	1,381.04	1,697.02	
18" x 6"		541.80	715.90	887.06	1,054.81	1,381.04	1,697.02	
20" x 4"		541.80	715.90	887.06	1,054.81	1,381.04	1,697.02	
16" x 12"				1,041.39	1,240.25	1,628.21	2,035.26	2,366.80
20" x 8"				1,041.39	1,240.25	1,628.21		
20" x 12"				119.60	1,425.57	1,875.14	2,306.00	
24" x 12"						2,123.00	2,623.00	3,099.00

TABLA DE AREAS, PERIMETROS Y PESOS TEÓRICOS

No	Diametro Nominal		Área en cm ²	Perímetro en cm	Kg x ml	Pza x Ton (aprox.)
	mm	Pulgadas				
**_	-----	5/32	0.12	-----	0.100	1666
**_	-----	3/16	0.18	-----	0.133	1253
**_	-----	1/4	0.32	-----	0.250	667
*2.5	7.9	5/16	0.49	-----	0.384	434
*3	9.5	3/8	0.71	2.48	0.384	217
*4	12.7	1/2	1.27	2.98	0.557	150
*5	15.9	5/8	1.99	5.00	1.580	53
*6	19.1	3/4	2.87	6.00	2.250	37
*8	25.4	1	5.07	7.98	3.975	21
*10	31.8	1 1/4	7.94	9.99	6.225	13
*12	38.1	1 1/2	11.4	11.97	8.938	9

** = R-6000

* = R-42

* Sólo sobre pedido y volumen

TIRA PARA CORTINA

Negra y galvanizada

Cal. 24

MEDIDAS COMERCIALES

Tira de cortina. Negra y galvanizada. Cal-24

Largo de la tira m	Kg. por tira	Kg. por Mtl
2.05*	1.480	0.72 Kg
2.55*	1.913	
3.05*	2.600	
3.55*	3.000	
3.66*	3.100	
4.05*	3.300	
4.55*	3.600	
5.05*	4.000	
5.55*	4.300	
6.10	5.000	

* Medidas y productos sobre pedido.

ALAMBRÓN

Tabla de Pesos Teóricos

Fracción 1/4	Pulgadas 0.25	Milímetros 6.35	Kg/m 0.249
-----------------	------------------	--------------------	---------------

ALAMBRE DE PÚAS

Alambre de púas. Tabla de Pesos Teóricos

Producto	Calibre alambre central	Calibre púas	No. Puntas	Separación entre puntas		Longitud de rollo
				Pulg.	mts	
Alta Resistencia	15.5	16.5	4	5		360
Púa 34	12.5	14	4	4		340 aprox.

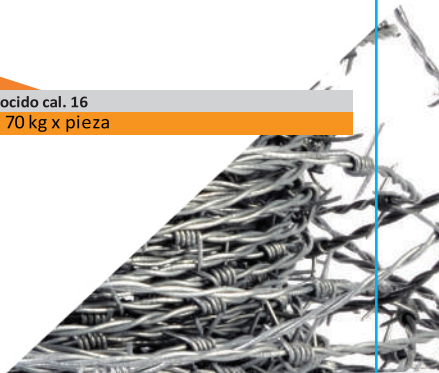
ALAMBRE PULIDO

Características Generales

Calibres	mm	kg/m
8	4.110	0.1041
9	3.760	0.0870
10	3.430	0.0725
12	2.667	0.0439
14	2.032	0.0255
16	1.575	0.0153
18	1.194	0.0088

ALAMBRE RECOCIDO

Alambre Recocido cal. 16
 Rollos de 50 a 70 kg x pieza



CLAVO**Estándar con cabeza**

Clavo común con una gran variedad de usos: albañilería, carpintería, uso doméstico, etc

Largo		Calibre	Clavos por Kg (aprox.)	Largo		Calibre	Clavos por Kg (aprox.)
Pulg.	mm.			Pulg.	mm.		
3/4	20	14.5	2363	3 1/2	89	8	99
1	25	14.5	1425	4	101	7	73
1 1/4	31	14.5	1195	5	127	6	51
1 1/2	38	14.5	1030	6	152	5	35
2	51	12.5	440	7	178	4	17
2 1/2	63	11.0	245	8	203	5/16	11
3	76	10.0	170				

*Cajas de 25 kg.

CLAVO**Para Concreto**

Largo		Calibre	Clavos por Kg (aprox.)	Largo		Calibre	Clavos por Kg (aprox.)
Pulg.	mm.			Pulg.	mm.		
3/4	20	14.5	2363	3 1/2	89	8	99
1	25	14.5	1425	4	101	7	73
1 1/4	31	14.5	1195	5	127	6	51
1 1/2	38	14.5	1030	6	152	5	35
2	51	12.5	440	7	178	4	17
2 1/2	63	11.0	245	8	203	5/16	11
3	76	10.0	170				

*Cajas de 25 kg.

TABLERO

Medida		Medida		Peso X Pieza
Pies	M	Pies	M	
*Calibre 20				
3	0.91	3	0.91	6.12
		4	1.22	8.20
		6	1.83	12.31
		6.5	2.0	13.45
		7	2.13	14.32
		8	2.44	16.41
		10	3.05	20.51
4	1.22	3	0.91	8.08
		4	1.22	10.78
		6	1.83	16.17
		6.5	2.00	14.50
		7.0	2.13	16.00
		8.0	2.44	21.56
		10.0	3.05	26.95

* Los pesos son teóricos. Podrán variar +- 5%

TABLERO

Medida		Medida		Peso X Pieza
Pies	M	Pies	M	
* Calibre 22				
3	0.91	3	0.91	5.12
		4	1.22	6.87
		6	1.83	10.30
		6.5	2.0	11.26
		7	2.13	11.99
		8	2.44	13.74
		10	3.05	17.17
4	1.22	3	0.91	6.74
		4	1.22	8.74
		6	1.83	13.48
		6.5	2.00	14.50
		7.0	2.13	16.00
		8.0	2.44	17.97
		10.0	3.05	22.46

* Los pesos son teóricos. Podrán variar +- 5%

LÁMINA ACANALADA Rectangular

Espesor		R - 72 (3')		R - 101 (4')	
		Ancho efectivo 720 mm		Ancho efectivo 1008 mm	
		Peso		Peso	
Calibre	Pulgada	Kg / ml	Kg / m2	Kg / ml	Kg / m2
22	0.02999	5.71	7.93	7.61	7.52
24	0.0209	4.06	5.65	5.42	5.37
26	0.0179	3.52	4.89	4.69	4.64
28	0.0149	2.97	4.13	3.96	3.92
30	0.012	2.44	3.39	3.25	3.22
32	0.0097	1.89	2.42		

LÁMINA ACANALADA Ondulada

Espesor		O - 30		O - 725 (3)		O - 100 (4')	
		Ancho efectivo 778 mm		Ancho efectivo 715 mm		Ancho efectivo 950 mm	
		Peso		Peso		Peso	
Calibre	Pulgada	Kg / ml	Kg / m2	Kg / ml	Kg / m2	Kg / ml	Kg / m2
24	0.0209					5.42	5.25
26	0.0179			3.52	4.93	4.69	4.54
28	0.0149	2.97	3.81	2.97	3.92	3.96	3.83
30	0.012		2.44	3.41			
32	0.0097	1.89	2.42				

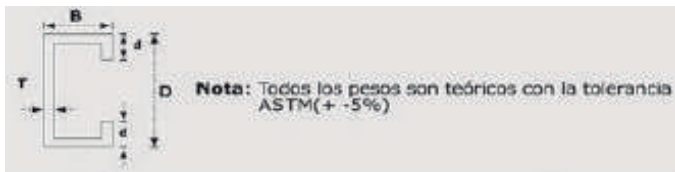
GALVATEJA
Calibre
26

MONTEN

NORMA C. COMERCIAL ASTM A500
NORMA A. RESISTENCIA ASTM A500 GR C

Perfil	Dimensiones en Pulgadas	Cal.	Kg/m	Dimensiones en mm			
12 MT 10	12 x 3.5	10	13.5	305	89	22	3.4
12 MT 12		12	10.6	305	89	22	2.7
12 MT 14		14	7.6	305	89	19	1.9
12 MT 16		16	6.2	305	89	19	1.5
10 MT 10	10 x 2.75	10	10.8	254	89	22	3.4
10 MT 12		12	8.5	254	89	22	3.4
10 MT 14		14	6	254	89	19	1.9
10 MT 16		16	5.2	254	89	19	1.5
8 MT 10	8 x 2.75	10	9.9	203	76	19	3.4
8 MT 12		12	7.4	203	76	19	2.7
8 MT 14		14	5.3	203	76	19	1.9
8 MT 16		16	4.5	203	76	19	1.5
7 MT 10	7 x 2.75	10	9.2	178	64	19	3.4
7 MT 12		12	7.4	178	64	19	2.7
7 MT 14		14	5.3	178	64	19	1.9
7 MT 16		16	4.2	178	64	19	1.5
6 MT 10	6 x 2.0	10	7.3	152	64	19	3.4
6 MT 12		12	5.6	152	64	19	2.7
6 MT 14		14	4	152	64	19	1.9
6 MT 16		16	3.3	152	64	19	1.5
5 MT 10	5 x 2.0	10	6.6	127	51	19	3.4
5 MT 12		12	5.2	127	51	19	2.7
5 MT 14		14	3.6	127	51	16	1.9
6 MT 14		14	3.6	127	51	16	1.9
5 MT 16		16	3.0	127	51	16	1.5
4 MT 10	4 x 2.0	10	5.9	102	51	19	3.4
4 MT 12		12	4.7	102	51	19	2.7
4 MT 14		14	3.2	102	51	16	1.9
4 MT 16		16	2.7	102	51	16	1.5
3 MT 10	3 x 1.5	10	4.6	76	38	19	3.4
3 MT 12		12	3.7	76	38	19	2.7
3 MT 14		14	2.4	76	38	19	1.9
3 MT 16		16	2.2	76	38	19	1.5

*Medidas y productos sobre pedido.



CALIDAD PRECIO DISPONIBILIDAD SERVICIO



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