

Catálogo



**ACEROS
ALTAVISTA**

Acero estructural



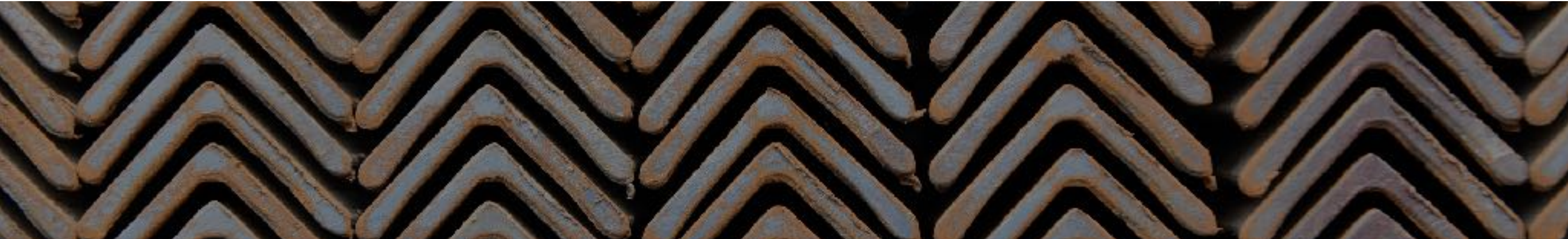
ACEROS
ALTAVISTA

Largos

Ángulos

ESPESOR	ANCHO	ESPESOR	ANCHO	PESO
pulg		mm		kg/m
a	b	a	b	
1/8	3/4	3.2	19.1	
	1		25.4	
	1 1/4		31.7	
	1 1/2		38.1	
	1 3/4		44.5	
	2		50.8	
5/32	1 1/2	4	38.1	
	1 3/4		44.5	
	2		50.8	
	2 1/2		63.5	
3/16	1	4.6	25.4	
	1 1/4		31.7	
	1 1/2		38.1	
	1 3/4		44.5	
	2		50.8	
	2 1/2		63.5	
1/4	3	6.3	76.2	
	1		25.4	
	1 1/4		31.7	
	1 1/2		38.1	
	1 3/4		44.5	
	2		50.8	
	2 1/2		63.5	
	3		76.2	
5/16	3 1/2	7.9	88.9	
	4		101.6	
	2		50.8	
	2 1/2		63.5	
	3		76.2	
	3 1/2		88.9	
	4		101.6	
	5		127	

ESPESOR	ANCHO	ESPESOR	ANCHO	PESO
pulg		mm		kg/m
a	b	a	b	
3/8	2	9.5	50.8	6.99
	2 1/2		63.5	8.79
	3		76.2	10.72
	3 1/2		88.9	12.65
	4		101.6	14.58
	5		127	18.3
7/16	6	11.1	152.4	22.17
	3 1/2		88.9	14.58
	4		101.6	16.816
	5		127	18.3
1/2	6	12.7	152.4	25.596
	3 1/2		88.9	16.517
	4		101.6	19.05
	5		127	24.11
	6		152.4	29.17
	8		203.2	39.29
9/16	6	14.3	152.4	32.59
	8		203.2	44.05
5/8	4	15.9	101.6	23.36
	6		152.4	36.1
3/4	8	19.1	203.2	48.4
	4		101.6	27.53
	6		152.4	42.71
7/8	8	22.2	203.2	58.06
	6		152.4	49.26
1	8	25.4	203.2	66.97
	6		152.4	55.66
1 1/8	8	28.6	203.2	75.9
	8		203.2	84.68



Ángulos estándar

ESPESOR	ANCHO		ESPESOR	ANCHO		PESO
pulg			mm			kg/m
a	b		a	b		
0.109	1		0.109	25.4		1.04
	1	1/4		31.8		1.32
	1	1/2		38.1		1.6
0.113	1	1/2	0.113	38.1		1.65
0.137	1	1/2	0.137	38.1		1.99
	2			50.8		2.68
0.143	1	1/2	0.143	38.1		2.07
	2			50.8		2.79
0.163	2		0.163	50.8		3.16
	2	1/2		63.5		3.99
0.176	2		0.176	50.8		3.43
0.205	2		0.205	50.8		3.94
0.212	2	1/2	0.212	63.5		5.14
0.23	2	1/2	0.23	63.5		5.56
	3			76.2		6.71
	4			101.6		9.04
0.323	2		0.323	50.8		4.43
0.237	2		0.237	50.8		4.43
0.281	3		0.281	76.2		5.27

ESPESOR	ANCHO	ESPESOR	ANCHO	PESO
pulg		mm		kg/m
a	b	a	b	
3/8	6 X	9.5	152.4 X 101	18.3
1/2		12.7		24.11
5/8		15.9		29.76
3/4		19.1		35.12
7/8		22.2		40.48
1		25.4		45.54





Canal CPS

Peralte		Peso		Patín (ancho)		Patín (espesor)		Alma	
pulg	mm	kg/n	lb/pie	pulg	mm	pulg	mm	pulg	mm
3	76.2	5.21	3.5	1.41	35.81	0.25	6.45	0.13	3.18
		6.1	4.1	1.41	35.81	0.27	6.93	0.17	4.32
4	101.6	6.7	4.5	1.58	40.23	0.22	5.6	0.17	4.42
		8.04	5.4	1.58	40.23	0.3	7.52	0.18	4.67
5	127	9.97	6.7	1.75	44.45	0.32	8.13	0.19	4.83
		13.39	9	1.89	47.88	0.32	8.13	0.33	8.26
6	152.4	12.2	8.2	1.82	48.77	0.34	8.71	0.2	5.08
		15.63	10.5	2.03	51.66	0.34	8.71	0.31	7.98
8	203.2	19.35	13	2.16	54.79	0.34	8.71	0.44	11.1
		17.11	11.5	2.26	57.4	0.39	9.91	0.22	5.59
		20.46	13.75	2.34	59.51	0.39	9.91	0.3	7.7
		27.9	18.75	2.53	61.19	0.39	9.91	0.49	12.37
10	254	22.77	15.3	2.6	65	0.44	11.1	0.24	6.1
		29.76	20	2.74	69.8	0.44	11.1	0.38	9.63
		37.2	25	2.89	73.3	0.44	11.1	0.53	13.36
		44.64	30	3.03	76	0.44	11.1	0.67	17.09
12	304.8	30.8	20.7	2.94	74.3	0.5	12.7	0.28	7.16
		37.2	25	3.05	77.4	0.5	12.7	0.39	9.83
		44.64	30	3.17	80.6	0.5	12.7	0.51	12.95
15	381	50.6	34	3.37	85.7	0.65	16.5	0.39	10
		59.53	40	3.5	88.9	0.65	16.5	0.51	13
		74.41	50	3.7	94	0.65	16.5	0.71	18





Canal Monten

Peralte	Patín	Espesor	Longitud	Peso
pulg	pulg	calibre	mts	kg/m
a	b	c	d	
3	1 1/2	14	6	2.4
		12	6	3.46
4	2	14	4	3.29
		14	6	3.29
		12	6	4.53
5	2	10	6	5.75
		14	5	3.68
		14	6	3.68
		12	6	5.07
6	2	10	6	6.48
		14	6	4.07
		12	6	5.58
9	2 1/2	10	6	7.12
		14	8	5.38
		12	8	7.39
10	2 3/4	10	8	9.46
		14	10	6.11
		12	10	8.46
12	3 1/2	10	10	10.83
		14	12	7.49
		12	12	10.38
		10	12	13.3





ACEROS
ALTAVISTA

Largos

Solera

ESPESOR	ANCHO	ESPESOR	ANCHO	PESO	
pulg		mm		kg/m	lb/pie
a	b	a	b		
1/8	1/2	3.2	12.7	0.317	0.213
	3/4		19.1	0.474	0.319
	1		25.4	0.633	0.425
	1 1/4		31.7	0.791	0.532
	1 1/2		38.1	0.95	0.638
	2		50.8	1.266	0.851
	2 1/2		63.5	1.59	1.068
	3		76.2	1.9	1.277
3/16	1/2	4.8	12.7	0.474	0.319
	3/4		19.1	0.712	0.478
	1		25.4	0.949	0.638
	1 1/4		31.7	1.187	0.798
	1 1/2		38.1	1.424	0.957
	2		50.8	1.899	1.276
	2 1/2		63.5	2.374	1.595
	3		76.2	2.85	1.915
1/4	1/2	6.3	12.7	0.633	0.425
	3/4		19.1	0.95	0.638
	1		25.4	1.266	0.851
	1 1/4		31.7	1.583	1.064
	1 1/2		38.1	1.899	1.276
	2		50.8	2.532	1.701
	2 1/2		63.5	3.165	2.127
	3		76.2	3.798	2.552
	4		101.6	5.064	3.403
	5		127	6.33	4.253
	6		152.4	7.596	5.104
	8		203.2	10.11	6.793
	10		254	12.65	8.5
	12		304.8	15.19	10.21
	14		355.6	17.73	11.91
5/16	1	7.9	25.4	1.583	1.064
	1 1/4		31.7	1.978	1.329
	1 1/2		38.1	2.374	1.595
	2		50.8	3.165	2.127

ESPESOR	ANCHO	ESPESOR	ANCHO	PESO	
pulg		mm		kg/m	lb/pie
a	b	a	b		
5/16	2 1/2	7.9	63.5	3.957	2.659
	3		76.2	4.748	3.19
	4		101.6	6.331	4.254
	5		127	7.906	5.312
	6		152.4	9.487	6.375
	8		203.2	12.64	8.494
	10		254	15.819	10.63
	12		304.08	18.99	12.76
	14		355.6	22.16	14.89
3/8	1	9.5	25.4	1.899	1.276
	1 1/4		31.7	2.374	1.595
	1 1/2		38.1	2.849	1.914
	2		50.8	3.798	2.552
	2 1/2		63.5	4.748	3.19
	3		76.2	5.698	3.829
	4		101.6	7.598	5.105
	5		127	9.488	6.376
	6		152.4	11.385	7.65
	8		203.2	15.16	10.187
1/2	10	12.7	254	18.974	12.75
	12		304.8	22.79	15.31
	14		355.6	26.59	17.86
	1		25.4	2.532	1.701
	1 1/4		31.7	3.165	2.127
	1 1/2		38.1	3.798	2.53
	2		50.8	5.064	3.403
	2 1/2		63.5	6.371	4.254
	3		76.2	7.597	5.105
	4		101.6	10.129	6.806
	5		127	12.65	8.5
	6		152.4	15.18	10.2
	8		203.2	20.22	13.587
	10		254	25.299	17
	12		304.8	30.39	20.42
	14		355.6	35.45	23.82

ESPESOR	ANCHO	ESPESOR	ANCHO	PESO	
pulg		mm		kg/m	lb/pie
a	b	a	b		
5/8	1 1/2	15.9	38.1	4.748	3.19
	2		50.8	6.331	4.254
	2 1/2		63.5	7.913	5.317
	3		76.2	9.496	6.381
	4		101.6	12.661	8.508
	5		127	15.813	10.626
	6		152.4	18.974	12.75
	8		203.2	25.58	17.189
	10		254	31.624	21.25
	12		304.8	37.98	25.52
	14		355.6	44.31	29.77
3/4	1 1/2	19.1	38.1	5.698	3.829
	2		50.8	7.597	5.105
	2 1/2		63.5	9.496	6.381
	3		76.2	11.395	7.657
	4		101.6	15.194	10.21
	5		127	18.975	12.75
	6		152.4	22.769	15.3
	8		203.2	30.33	20.38
	10		254	37.949	25.5
	12		304.8	45.58	30.62
	14		355.6	53.18	35.73
1	1 1/2	25.4	38.1	7.6	5.107
	2		50.8	10.129	6.806
	2 1/2		63.5	12.661	8.508
	3		76.2	15.194	10.21
	4		101.6	20.258	13.613
	5		127	25.299	17
	6		152.4	30.359	20.4
	8		203.2	40.45	27.181
	10		254	50.598	34
	12		304.8	60.77	40.83
	14		355.6	70.9	47.64



Viga IPR

Dimensión	Peso		Peralte (mm)		Alma	Patin (mm)	
pulg	lb/pie	kg/m	exterior	interior	mm	ancho	espesor
			a	b	c	d	e
4 x	4	13	106	88	7.1	103	8.8
5 x		16	127	109	6.1	127	9.1
		19	131	109	6.9	128	10.9
6 x		8.5	152	140	4.5	100	4.6
		9	150	139	4.3	100	5.5
		12	153	138	5.8	102	7.1
		16	160	139	6.6	102	10.3
6 x		15	152	139	5.8	152	6.6
		20	157	138	6.6	153	9.3
		25	162	139	8.1	154	11.6
8 x		10	200	190	4.3	100	5.2
		13	203	190	5.8	102	6.5
		15	206	190	6.2	102	8
8 x	5	18	207	190	5.8	133	8.4
		21	210	190	6.4	134	10.2
8 x	6	24	201	181	6.2	201	10.2
		28	205	181	7.2	205	11.8
8 x		31	203	181	7.2	203	11
		35	206	181	7.9	204	12.6
		40	210	182	9.1	205	14.2
		48	216	181	10.2	206	17.4
		58	222	181	13	209	20.6
		67	229	182	14.5	210	23.7
10 x		12	251	240	4.8	101	5.3
		15	254	240	5.8	102	6.9
		17	257	240	6.1	102	8.4
		19	260	240	6.4	102	10
10 x	5	22	258	240	6.1	146	9.1
		26	262	240	6.6	147	11.2
		30	266	240	7.6	148	13
10 x		33	247	225	7.4	202	11
		39	252	225	8	203	13.5

Dimensión	Peso		Peralte (mm)		Alma	Patin (mm)	
pulg	lb/pie	kg/m	exterior	interior	mm	ancho	espesor
			a	b	c	d	e
10 x 8	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
12 x 12	112	167	289	225	19.2	265	31.8
	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	102	8.9
12 x 6	22	32.7	313	291	6.6	102	10.8
	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 10	40	59.5	303	277	7.5	203	13.1
	45	67	306	277	8.5	204	14.6
	50	74.4	310	277	9.4	205	16.3
12 x 12	53	78.9	306	277	8.8	254	14.6
	58	86.3	310	277	9.1	254	16.3
12 x 14	65	96.7	308	277	9.9	305	15.4
	72	107	311	277	10.9	306	17
	79	118	314	277	11.9	307	18.7
	87	129	318	277	13.1	308	20.6
	96	143	323	277	14	309	22.9
	106	158	327	277	15.5	310	25.1
	120	179	333	277	18	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



Dimensión	Peso		Peralte (mm)		Alma	Patin (mm)	
pulg	lb/pie	kg/m	exterior	interior	mm	ancho	espesor
			a	b	c	d	e
12 x 3	210	313	374	277	30	325	48.3
	230	342	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 3	22	32.7	349	332	5.8	127	8.5
	26	38.7	353	332	6.5	128	10.7
14 x 5	30	44.6	352	332	6.9	171	9.8
	34	50.6	355	332	7.2	171	11.6
	38	56.6	358	332	7.9	172	13.1
14 x 7	43	64	347	320	7.7	203	13.5
	48	71.4	350	320	8.6	204	15.1
	53	78.9	354	320	9.4	205	16.8
14 x 9	61	90.8	353	320	9.5	254	16.4
	68	101	357	320	10.5	255	18.3
	74	110	360	320	11.4	256	19.9
	82	122	363	320	13	257	21.7
14 x 14	90	134	356	320	11.2	369	18
	99	147	360	320	12.3	370	19.8
	109	162	364	320	13.3	371	21.8
	120	179	368	320	15	373	23.9
	132	196	372	320	16.4	374	26.2
14 x 30	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	347	407	320	27.2	404	43.7
	257	382	416	320	29.8	406	48
	283	421	425	320	32.8	409	52.6
	311	463	435	320	35.8	412	57.4

Dimensión	Peso		Peralte (mm)		Alma	Patin (mm)	
pulg	lb/pie	kg/m	exterior	interior	mm	ancho	espesor
			a	b	c	d	e
14 x	342	509	446	321	39.1	416	62.7
	370	551	455	320	42	418	67.7
	398	592	465	320	45	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
	605	900	531	319	65.9	442	106
	665	990	550	320	71.9	448	115
	730	1086	569	319	78	454	125
16 x 5	26	38.7	399	381	6.4	140	8.8
	31	46.1	403	381	7	140	11.2
16 x	36	53.6	403	381	7.5	177	10.9
	40	59.5	407	381	7.7	178	12.8
	45	67	410	381	8.8	179	14.4
	50	74.4	413	381	9.7	180	16
	57	84.8	417	381	10.9	181	18.2
16 x 10	67	99.7	415	381	10	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
18 x	35	52.1	450	428	7.6	152	10.8
	40	59.5	455	428	8	153	13.3
	46	68.5	459	428	9.1	154	15.4
18 x 7	41	61	450	430	8.1	189	10.9
	45	67	454	432	8.6	190	12.7
	50	74.4	457	428	9	190	14.5
	55	81.8	460	428	9.9	191	16
	60	89.3	463	428	10.5	192	17.7
	65	96.7	466	428	11.4	193	19
	71	106	469	428	12.6	194	20.6
18 x 11	76	113	463	428	10.8	280	17.3



Dimensión	Peso		Peralte (mm)		Alma	Patin (mm)	
pulg	lb/pie	kg/m	exterior	interior	mm	ancho	espesor
			a	b	c	d	e
18 x	86	128	467	428	12.2	282	19.6
	97	144	472	428	13.6	283	22.1
	106	158	476	428	15	284	23.9
	119	177	482	428	16.6	286	26.9
	130	193	489	428	17	283	30.5
	143	213	495	428	18.5	285	33.5
	158	235	501	428	20.6	287	36.6
	175	260	509	428	22.6	289	40.4
	192	286	517	428	24.4	291	44.4
	211	314	525	428	26.9	293	48.5
	234	348	535	428	29.5	296	53.6
	258	384	545	428	32.5	299	58.4
	283	421	555	428	35.6	302	63.5
	311	463	567	428	38.6	305	69.6
20 x 6	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 9	48	71.4	524	500	9	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	537	502	10.9	210	17.4
	73	109	539	501	11.6	211	18.8
	83	124	544	502	13.1	212	21.2
21 x 12	93	138	549	502	14.7	214	23.6
	101	150	543	502	12.7	312	20.3
	111	165	546	502	14	313	22.2
	122	182	551	502	15.2	315	24.4
	132	196	554	501	16.5	316	26.3
	147	219	560	502	18.3	318	29.2
	166	247	571	502	19	315	34.5
	182	271	577	502	21.1	317	37.6
	299	585	502	23.1	319	41.4	

Dimensión	Peso		Peralte (mm)		Alma	Patin (mm)	
pulg	lb/pie	kg/m	exterior	interior	mm	ancho	espesor
			a	b	c	d	e
21 x 12	223	332	593	502	25.4	322	45.5
	248	369	603	502	27.9	324	50.5
	275	409	613	502	31	327	55.6
24 x	55	81.8	599	573	10	178	12.8
	62	92.3	603	573	10.9	179	15
24 x	56	83.3	596	573	9	226	11.7
	61	90.8	598	573	9.7	227	12.7
	68	101	603	573	10.5	228	14.9
	76	113	608	573	11.2	228	17.3
	84	125	612	573	11.9	229	19.6
	94	140	617	573	13.1	230	22.2
	103	153	623	573	14	229	24.9
24 x 12	104	155	611	573	12.7	324	19
	117	174	616	573	14	325	21.6
	131	195	622	573	15.4	327	24.4
	146	217	628	573	16.5	328	27.7
	162	251	635	573	17.9	329	31
	176	262	641	573	19	327	34
	192	286	647	573	20.6	329	37.1
	207	308	653	573	22.1	330	39.9
	229	341	661	573	24.4	333	43.9
	250	372	669	573	26.6	335	48
	279	415	679	573	29.5	338	53.1
	306	455	689	573	32	340	57.9
	335	499	699	573	35.1	343	63
370	551	711	573	38.6	347	69.1	
17 x 12	84	125	678	645	11.7	253	16.3
	94	140	684	646	12.4	254	18.9
	102	152	688	646	13.1	254	21.1
	114	170	693	646	14.5	256	23.6
	129	192	702	646	15.5	254	27.9
27 x 14	146	217	695	645	15.4	355	24.8



Dimensión pulg	Peso		Peralte (mm)		Alma mm	Patin (mm)	
	lb/pie	kg/m	exterior	interior		ancho	espesor
			a	b	c	d	e
27 x 5	161	240	701	646	240	356	27.4
	178	265	706	647	265	358	30.2
	194	289	714	645	289	356	34
	217	323	722	650	323	359	38.1
	235	350	728	647	350	360	40.9
	258	384	736	647	384	362	45
	281	418	744	648	418	364	49
	307	457	753	648	457	367	53.1
	336	500	762	649	500	369	57.9
	368	548	772	647	548	372	63
30 x 10	90	134	750	716	134	264	15.5
	99	147	753	719	147	265	17
	108	161	758	719	161	266	19.3
	116	173	762	719	173	267	21.6
	124	185	766	719	185	267	23.6
	132	196	770	719	196	268	25.4
	148	220	779	719	220	266	30
30 x 15	173	257	773	722	257	381	27.1
	191	284	779	722	284	382	30.1
	211	314	786	722	314	384	33.4
	235	350	795	722	350	382	38.1
	261	388	803	723	388	385	41.9
	292	435	813	720	435	387	47
	326	485	823	722	485	390	52.1
	357	531	833	723	531	393	56.9
	391	582	843	718	582	396	63
33 x 11	118	176	835	797	176	292	18.8
	130	193	840	797	193	292	21.7
	141	210	846	797	210	293	24.4
	152	226	851	797	226	294	26.8
	169	252	859	797	252	292	31
33 x 15	3/4 201	299	855	801	299	400	29.2

Dimensión pulg	Peso		Peralte (mm)		Alma mm	Patin (mm)	
	lb/pie	kg/m	exterior	interior		ancho	espesor
			a	b	c	d	e
33 x 15	221	329	862	800	19.7	401	32.4
	241	359	868	802	21.1	403	35.6
	263	391	877	800	22.1	401	39.9
	291	433	885	801	24.4	404	43.9
	318	473	893	800	26.4	406	48
	354	527	903	801	29.5	409	53.1
	387	576	913	798	32	411	57.9
36 x 12	135	201	903	863	15.2	304	20.1
	150	223	911	863	15.9	304	23.9
	160	238	915	863	16.5	305	25.9
	170	253	919	863	17.3	306	27.9
	182	271	923	863	18.4	307	30
	194	289	927	863	19.4	308	32
	210	313	932	863	21.1	309	34.5
	232	345	943	863	22.1	308	39.9
36 x 16	256	381	951	863	24.4	310	43.9
	231	344	927	863	19.3	418	32
	247	368	932	862	20.3	419	34.3
	262	390	936	863	21.3	420	36.6
	282	420	943	863	22.5	422	39.9
	302	449	948	863	24	423	42.7
	330	491	957	863	25.9	422	47
	361	537	965	863	28.4	425	51.1
	395	588	975	863	31	427	55.9
	441	656	987	863	34.5	431	62
	487	725	999	863	38.1	434	68.1
	529	787	1010	863	40.9	437	73.9
40 x 12	652	970	1043	863	50	446	89.9
	149	222	970	928	16	300	21.1
	167	249	980	928	16.5	300	26
	183	272	990	928	16.5	300	31
	211	314	1000	928	19.1	300	35.9



Dimensión	Peso		Peralte (mm)		Alma	Patín (mm)	
pulg	lb/pie	kg/m	exterior	interior	mm	ancho	espesor
			a	b	c	d	e
40 x 4	235	350	1008	928	21.1	302	40
	264	393	1016	928	24.4	303	43.9
	278	414	1020	928	27	305	49
	294	438	1026	928	26.9	305	49
	331	493	1036	928	31	309	54
	392	583	1056	928	36	314	64
40 x 6	199	296	982	928	16.5	400	27.1
	215	320	990	928	16.5	400	31
	249	371	1000	928	19	400	36.1
	277	412	1008	928	21.1	402	40
	297	442	1012	928	23.6	402	41.9
	324	482	1020	928	25.4	404	46
	362	539	1030	928	28.4	407	51.1
	372	554	1032	928	29.5	408	52
	397	591	1040	928	31	409	55.9
	431	641	1048	928	34	412	60
	503	749	1068	928	39	417	70
	593	882	1092	928	45.5	424	82
44 x 6	230	342	1090	1028	18	400	31
	262	390	1100	1028	20	400	36
	290	432	1108	1028	22	402	40
	335	499	1118	1028	26	405	45





Varilla

VARILLA CORRUGADA R-42

n°	Diámetro		Peso		N° aprox de varilla x ton	Propiedades de Doblado
	pulg	mm	lb/pie	kg/m		Diámetro de mandril
	a					
3	3/8	9.5	0.38	0.56	150	3.5 d
4	1/2	12.7	0.67	0.99	84	3.5 d
5	5/8	15.9	1.04	1.55	53	3.5 d
6	3/4	19.1	1.5	2.24	37	5.0 d
8	1	25.4	2.67	3.98	21	5.0 d
10	1 1/4	31.8	4.17	6.23	13	7.0 d
12	1 1/2	38.1	5.99	8.94	9	8.0 d

VARILLA CORRUGADA GRADO 6000

n°	Diámetro		Peso	N° aprox de x ton	Equivalencias 42
	pulg	mm	kg/m		
1.5	3/16	4.8	0.149	1253	alambrón 1/4"
2	1/4	6.4	0.248	667	5/16
2.5	5/16	7.9	0.388	343	3/8



Viga IPS



Peralte		Patín	Alma	Peso
pulg	mm	ancho (mm)	mm	kg/m
a		b	c	
3	76.2	59.23	4.3	8.48
4	101.6	67.64	4.9	11.46
5	127	76.3	5.4	14.88
6	152.4	84.63	5.9	18.6
8	203.2	89.99	7.5	26.19





Cuadrados y redondos

CUADRADO

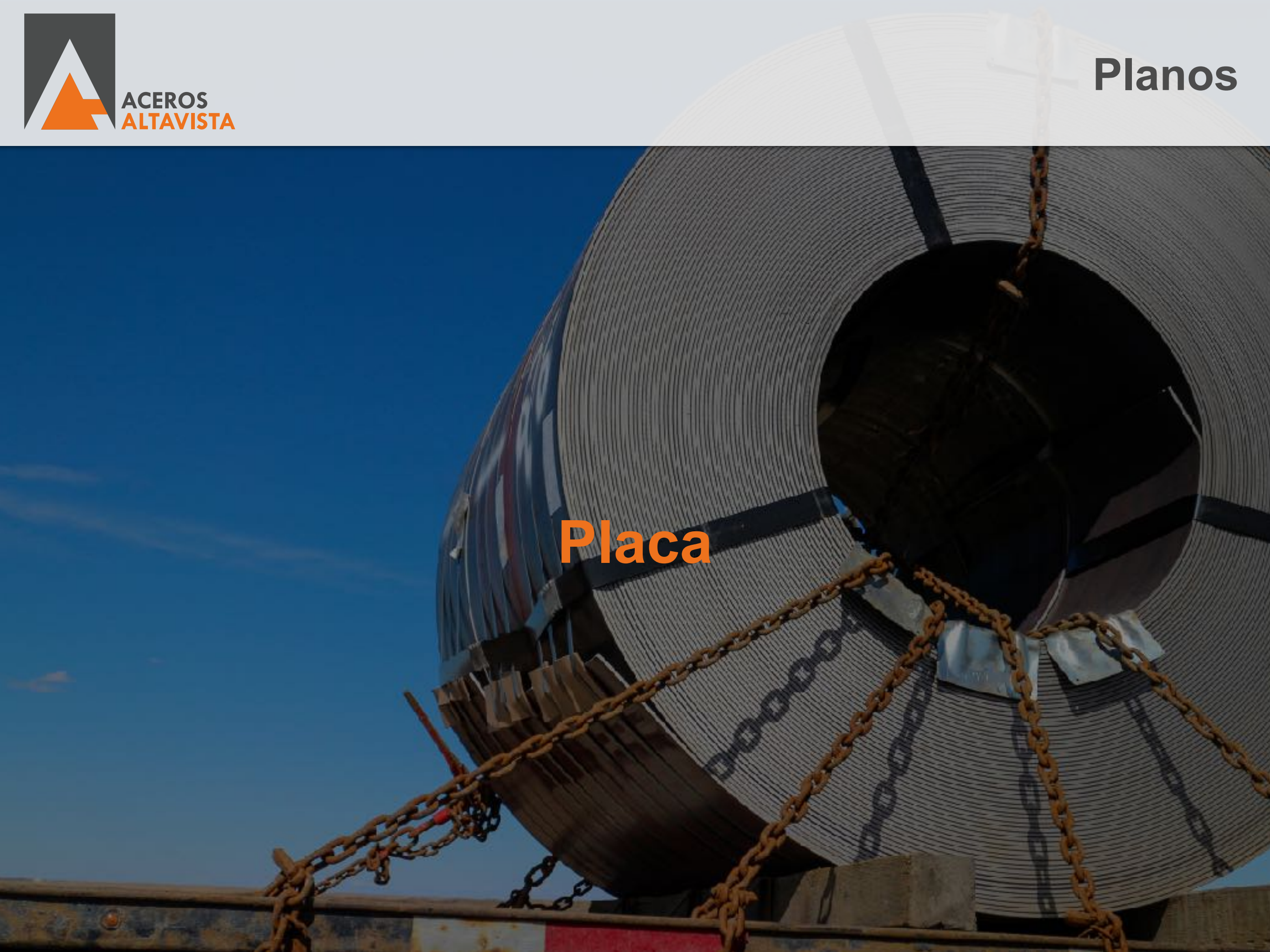
Espesor		Peso
pulg	mm	kg/m
a		
3/8	9.5	0.712
0.47	12	1.13
1/2	12.7	1.266
5/8	15.9	1.978
3/4	19.1	2.849
1	25.4	5.065
1 1/4	31.7	7.913
1 1/2	38.1	11.395
2	50.8	20.258

REDONDO

Espesor		Peso
pulg	mm	kg/m
a		
3/8	9.5	0.59
1/2	12.7	0.994
5/8	15.9	1.552
3/4	19.1	2.235
7/8	22.2	3.045
1	25.4	3.973
1 1/8	28.6	5.022
1 1/4	31.8	6.208
1 1/2	38.1	9
1 3/4	44.5	12.17
2	50.8	15.89
2 1/4	57.1	20.12
2 1/2	63.5	24.87
3	76.2	35.79



Cuadrados y redondos



Placa

Espesor		Pies	3'x8'	3'x10'	4'x8'	4'x10'	5'x20'
pulg	mm	metros	.914x2.44	.914x3.05	1.22x2.44	1.22x3.05	1.52x6.10
a		kg/m2	b x c				
3/16	4.8	37.68	84	105	112	140	350
1/4	6.4	50.24	112	140	149	187	467
5/16	7.9	62.01	138	173	184	230	576
3/8	9.5	74.58	166	208	222	277	693
7/16	11.1	87.23	194	243	259	324	810
1/2	12.7	99.7	222	278	296	370	926
5/8	15.9	124.8	278	348	371	464	1160
3/4	19.1	149.9	334	418	446	557	1393
7/8	22.2	174.3	389	486	518	648	1619
1	25.4	199.4	445	556	593	741	1852
1 1/8	28.6	224.1	500	624	666	833	2082
1 1/4	31.8	249.6	557	696	751	928	2319
1 1/2	38.1	299.1	667	834	889	1111	2779
1 3/4	44.5	348.9	778	972	1037	1297	3242
2	50.8	398.8	889	1111	1186	1482	3705

Espesor		Pies	6'x20'	6'x40'	8'x20'	8'x40'
pulg	mm	metros	1.83x6.10	1.83x12.20	2.44x6.10	2.44x12.20
a		kg/m2		b	x	c
3/16	4.8	37.68	420	840	560	1120
1/4	6.4	50.24	560	1120	747	1494
5/16	7.9	62.01	691	1383	922	1843
3/8	9.5	74.58	831	1663	1109	2217
7/16	11.1	87.23	972	1945	1297	2593
1/2	12.7	99.7	1111	2223	1482	2964
5/8	15.9	124.8	1392	2783	1855	3711
3/4	19.1	149.9	1672	3343	2229	4458
7/8	22.2	174.3	1943	3886	2590	5181
1	25.4	199.4	2223	4446	2964	5928
1 1/8	28.6	224.1	2498	4996	3331	6661
1 1/4	31.8	249.6	2783	5566	3711	7421
1 1/2	38.1	299.1	3334	6669	4446	8891
1 3/4	44.5	348.9	3890	7780	5187	10373
2	50.8	398.8	4446	8891	5928	11855





Lámina rolada en caliente

Espesor			Pies	3'x8'	3'x10'	4'x8'	4'x10'
pulg	mm	pulg	metros	.914x2.44	.914x3.05	1.22x2.44	1.22x3.05
a			kg/m2		b	x	c
3	6.07	0.239	47.65	106.24	132.8	141.66	177.07
4	5.69	0.224	44.67	99.6	124.5	132.8	166
5	5.31	0.209	41.68	92.93	116.17	123.91	154.86
6	4.94	0.194	38.78	86.47	108.08	115.29	144.11
7	4.55	0.179	35.72	79.64	99.55	106.19	132.74
8	4.18	0.165	32.91	73.16	91.44	97.54	121.93
9	3.8	0.15	29.83	66.51	83.14	88.68	110.85
10	3.42	0.135	26.85	59.87	74.83	79.82	99.78
1/8	3.18	0.125	24.88	55.48	69.35	73.97	92.47
11	3.04	0.12	23.86	53.2	66.5	70.93	88.67
12	2.66	0.105	20.88	46.56	58.19	62.07	77.59
13	2.28	0.09	17.9	39.91	49.89	53.21	66.52
14	1.9	0.075	14.92	33.27	41.58	44.36	55.44
15	1.71	0.067	13.42	29.92	37.4	39.9	49.87
16	1.52	0.06	11.93	26.6	33.25	35.47	44.33

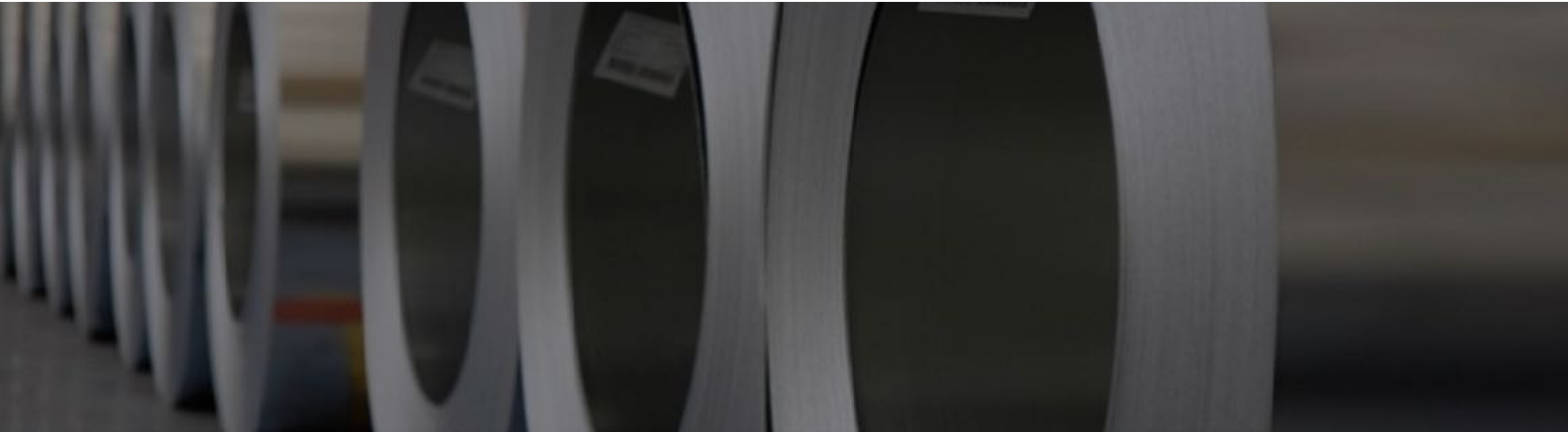


Lámina rolada en caliente



Lámina rolada en frío

Espesor			Pies	3'x8'	3'x10'	4'x8'	4'x10'
pulg	mm	pulg	metros	.914x2.44	.914x3.05	1.22x2.44	1.22x3.05
a			kg/m2		b x c		
12	2.66	0.1047	20.88	46.56	58.19	62.07	77.59
14	1.9	0.0747	14.92	33.27	41.58	44.36	55.44
16	1.52	0.0598	11.93	26.6	33.25	35.47	44.33
18	1.21	0.0478	9.5	21.18	26.48	28.24	35.3
20	0.91	0.0359	7.14	15.92	19.9	21.23	26.53
22	0.76	0.0299	5.97	13.31	16.64	17.75	22.19
24	0.61	0.0239	4.79	10.68	13.35	14.24	17.8
26	0.45	0.0179	3.53	7.87	9.84	10.49	13.12
28	38	0.0149	2.98	6.64	8.31	8.86	11.07
30	0.3	0.012	2.36	5.26	6.58	7.02	8.77

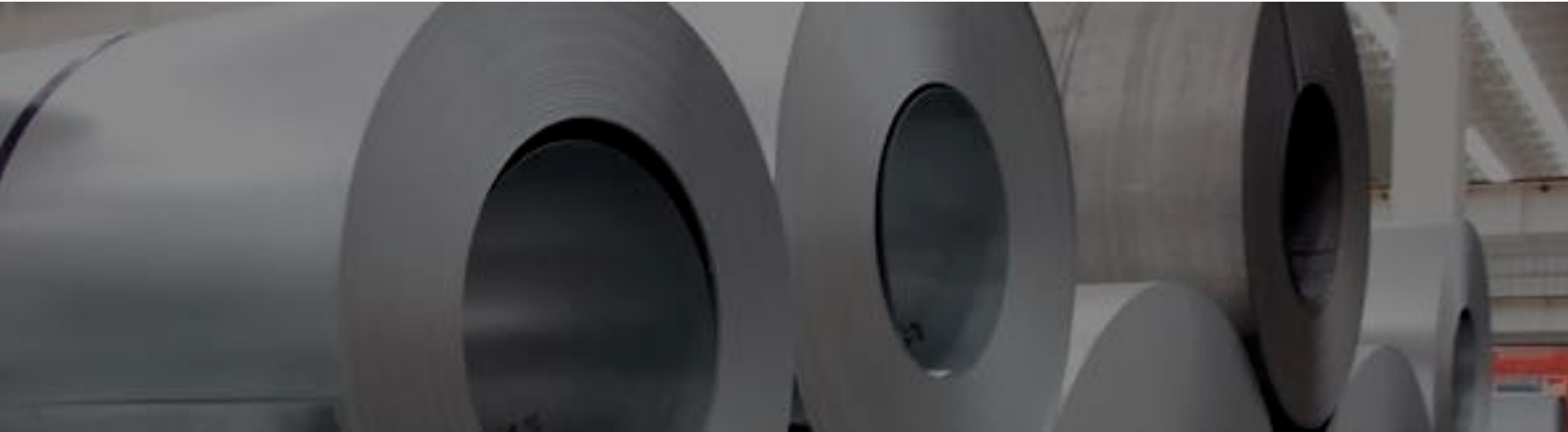


Lámina rolada en frío

Lámina y placa antiderrapante

Espesor			Pies	3'x8'	3'x10'	4'x8'	4'x10'
pulg	mm	pulg	metros	.914x2.44	.914x3.05	1.22x2.44	1.22x3.05
a			kg/m2		b	x	c
3/8	9.5	0.375	79.8	177.97	222.46	237.55	296.94
5/16	7.9	0.313	67.3	150.09	187.61	200.34	250.42
1/4	6.4	0.25	54.9	122.44	153.04	163.43	204.28
3/16	4.8	0.187	42.5	94.78	118.48	126.51	158.14
10	3.4	0.134	33.2	74.04	92.55	98.83	123.54
1/5	3.2	0.125	30	66.9	83.63	89.3	111.63
12	2.7	0.104	25.6	57.09	71.37	76.21	95.26
13	2.3	0.089	21.8	48.62	60.77	64.89	81.12
14	1.9	0.074	18.2	40.59	50.74	54.18	67.72



Lámina y placa antiderrapante



Tubería

Diametro Nominal	Diámetro Exterior		Espesor de Pared			Peso	
	pulg	mm	pulg	mm	Cédula	lb/pie	kg *m
	a		b				
1/2"	0.84	21.3	0.075 0.109	1.90 2.77	30 40	3.87 5.46	5.76 8.13
3/4"	1.05	26.7	0.075 0.113	1.90 2.87	30 40	4.56 7.27	6.78 10.82
1"	1.31	33.4	0.075 0.133	1.90 3.38	30 40	6.05 10.75	9.00 16.00
1 1/4"	1.66	42.2	0.090 0.140	2.28 3.56	30 40	9.47 14.58	14.10 21.70
1 1/2"	1.9	48.3	0.090 0.145	2.28 3.68	30 40	10.89 17.42	16.20 25.92
2"	2.37	60.3	0.105 0.154	2.66 3.91	30 40	15.93 23.40	23.70 34.82
2 1/2"	2.87	73	0.105 0.203	2.66 5.16	30 40	18.67 37.11	27.78 55.23
3"	3.5	88.9	0.120 0.216	3.04 5.49	30 40	27.01 48.59	40.20 72.26
4"	4.5	114.3	0.120 0.237	3.04 6.02	30 40	35.08 69.11	52.20 102.85
6"	6 5/8	168.3	3/16 7/32 1/4 9/32 3/8	4.78 5.60 6.35 7.10 9.50	. 40	13.00 15.10 17.17 18.96 25.00	19.35 22.47 25.55 28.22 37.20
8"	8 5/8	219.1	3/16 7/32 1/4 5/16 5/16 0.322 3/8 1/2	4.78 5.60 6.35 7.04 7.90 8.20 9.50 12.70	20 30 40 80	17.05 19.81 22.56 24.74 27.64 28.66 32.99 43.99	25.37 29.48 33.57 36.82 41.14 42.65 49.10 65.47
10"	10 3/4	273.1	3/16 7/32 1/4 0.307 0.365 3/8 1/2	4.78 5.60 6.35 7.80 9.27 9.50 12.70	. 20 30 40 60	21.34 24.82 28.28 34.29 40.65 41.10 54.80	31.76 36.94 42.09 51.03 60.50 61.16 81.55

Diametro Nominal	Diámetro Exterior		Espesor de Pared			Peso	
	pulg	mm	pulg	mm	Cédula	lb/pie	kg *m
12"	12 3/4	323.9	3/16 7/32 1/4 3/8 13/32 1/2	4.78 5.60 6.35 9.50 10.30 12.70	20 40	25.38 29.54 33.67 49.49 53.52 65.50	37.77 43.96 50.11 73.65 79.65 97.47
14"	14	355.6	0.210 1/4 5/16 3/8 7/16 1/2	5.30 6.35 7.90 9.50 11.10 12.70	10 20 30 40	10.76 37.03 45.52 54.48 63.37 72.16	45.78 55.11 67.74 81.08 94.30 107.39
16"	16	406.4	7/32 1/4 9/32 5/16 3/8 1/2	5.60 6.35 7.14 7.90 9.50 12.70	10 20 30 40	37.19 42.42 46.49 52.16 62.48 82.85	55.35 63.13 69.19 77.63 92.98 123.30
18"	18	457.2	1/4 5/16 3/8 1/2	6.35 7.90 9.50 12.70	10 20	47.79 58.79 70.45 93.50	71.12 87.49 104.84 139.15
20"	20	508	1/4 5/16 3/8 1/2	6.35 7.90 9.50 12.70	10 20 30	53.19 65.47 78.47 104.24	79.16 97.43 116.78 155.12
24"	24	609.6	1/4 3/8 1/2	6.35 9.50 12.70	10 20	64.01 94.53 125.70	95.26 140.68 187.06
30"	30	762	1/4 3/8 1/2 3/4	6.35 9.50 12.70 19.05	10 20 30	80.13 118.46 157.69 234.54	119.25 176.29 234.67 349.04
36"	36	914.4	5/16 3/8 1/2 3/4	7.90 9.50 12.70 19.05	10 20 40	118.62 142.39 189.68 282.53	176.52 211.90 282.27 420.45



Tubería



ACEROS
ALTAVISTA

Tubería

Tubería contra incendios

CÉDULA 40				
Tamaño Nominal	Diámetro Exterior	Diámetro Interior	Peso	Piezas por Atado
	a	b		
pulg	pulg	pulg	kg x pza	70
1	1.315	1.049	16	51
1 1/4	1.66	1.38	21.62	44
1 1/2	1.9	1.6	25.91	30
2	2.375	2.067	34.86	30
2 1/2	2.875	2.468	55.35	19
3	3.5	3.068	72.2	19
4	4.5	4.26	102.88	

CÉDULA 10				
Tamaño Nominal	Diámetro Exterior	Diámetro Interior	Peso	Piezas por Atado
	a	b		
pulg	pulg	pulg	kg x pza	
1 1/4	1.66	1.442	17.24	61
1 1/2	1.9	1.682	19.91	61
2	2.375	2.157	25.15	37
2 1/2	2.875	2.635	33.63	30
3	3.5	3.26	41.34	19
4	4.5	4.26	53.53	19
6	6.625	6.357	88.48	10
8	8.625	8.249	161.36	7

EDDY THREAD 40				
Tamaño Nominal	Diámetro Exterior	Diámetro Interior	Peso	Piezas por Atado
	a	b		
pulg	pulg	pulg	kg x pza	70
1	1.315	1.083	13.92	51
1 1/4	1.66	1.418	19.72	44
1 1/2	1.9	1.654	24.32	30
2	2.375	2.123	31.56	

EDDY FLOW 10				
Tamaño Nominal	Diámetro Exterior	Diámetro Interior	Peso	Piezas por Atado
	a	b		
pulg	pulg	pulg	kg x pza	
1 1/4	1.66	1.53	11.64	61
1 1/2	1.9	1.728	17.57	61
2	2.375	2.203	22.19	37
2 1/2	2.875	2.705	26.76	30
3	3.5	3.334	32.02	19
4	4.5	4.31	47.32	19
6	6.625	6.369	83.82	10



Tubería contra incendios



ACEROS
ALTAVISTA

Tubería

HSS

Ancho		Espesor (pulg)								
pulg		1/8	3/16	1/4	5/16	3/8	1/2	5/8	3/4	7/8
bxc										
4	x	147.24	171.04	221.67	269.25	313.54	392.72	769.82		
5	x	137.24	171.04	221.67	269.25	313.54	392.72			
5	x	142.49	194.22	252.54	307.93	359.9	454.45			
5	x	147.99	217.28	283.65	346.36	406.14	516.18			
6	x	127.24	171.04	221.67	269.25	313.54	392.72			
6	x	132.49	194.22	252.54	307.93	359.9	454.45			
6	x	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			
6	x	6	263.76	345.26	423.71	498.86	639.77			
7	x	132.99	194.22	252.54	307.93	359.9	454.45			
7	x	137.99	217.28	283.65	346.36	406.14	516.18			
7	x	4	240.58	314.39	385.03	452.62	578.28			
7	x	5	263.74	345.26	423.71	498.86	639.77			
7	x	7	310.12	406.99	500.93	591.46	763.48			
8	x	147.99	217.28	283.65	346.36	406.14	516.18			
8	x	3	240.58	314.39	385.03	452.62	578.28			
8	x	4	263.76	345.26	423.71	498.86	639.77			
8	x	6	310.12	406.99	500.93	591.46	763.48			
8	x	7	333.18	437.86	539.61	637.82	825.21		1078.48	
8	x	8	356.36	468.72	578.04	684.3	886.94			
9	x	3	263.76	345.26	423.71	498.86	639.77			
9	x	5	310.12	406.99	500.93	591.46	763.48			
9	x	6	333.18	437.86	539.61	637.82	825.21			
9	x	7	356.36	468.72	578.04	684.3	886.94			
9	x	9	402.72	530.7	655.38	776.9	1010.53			
10	x	2	263.76	345.26	423.71	498.86	639.77			
10	x	4	310.12	406.99	500.93	591.46	763.48			
10	x	5	333.18	437.86	539.61	637.82	825.21			

Ancho		Espesor								
pulg		1/8	3/16	1/4	5/16	3/8	1/2	5/8	3/4	7/8
10	x	6	356.36	468.72	468.72	684.3	886.94	1078.48		
10	x	8	402.72	530.7	530.7	776.9	1010.53	1233.42		
10	x	10	448.96	592.43	592.43	869.62	1133.99	1388.36	1622.6	
12	x	2	310.12	406.99	406.99	591.46	763.48			
12	x	3	333.18	437.86	437.86	637.82	825.21			
12	x	4	356.36	468.72	468.72	684.3	886.94			
23	x	6	402.72	530.7	530.7	776.9	1010.53	1233.42		
12	x	8	448.96	592.43	592.43	869.62	1133.99	1388.36		
12	x	10		658.8	658.8	960.14	1257.82			
12	x	12	541.8	715.9	715.9	1054.81	1381.04	1697.02	1992.4	
14	x	4	402.72	530.7	530.7	776.9	1010.53			
14	x	6	448.96	592.43	592.43	869.62	1133.99	1388.36		
14	x	10	541.8	715.9	715.9	1054.81	1381.04	1697.02		
14	x	14				1240.25	1628.21	2000.8	2366.8	2708.4
16	x	4	448.96	592.43	592.43	869.62	1133.99	1388.36		
16	x	8	541.8	715.9	715.9	1054.81	1381.04	1697.02		
16	x	12				1240.25	1628.21	2000.8	2366.8	
16	x	16				1425.57	1875.51	2305.8	2732.8	3147.6
18	x	4		658.8	658.8	960.14	1257.82			
18	x	6	541.8	715.9	715.9	1054.81	1381.04	1697.02		
18	x	18				2122.8	2623	3098.8	3574.6	
20	x	4	541.8	715.9	715.9	1054.81	1381.04	1697.02		
20	x	8				1240.25	1628.21			
20	x	12				1425.57	1875.14	2305.8	2732.8	
20	x	20					2366.8	2928	3477	4013.8
22	x	22							3843	4440.8
24	x	12						2122.8	2623	3098.8



PTR

Ancho		Espesor			Peso	Peso Pieza
pulg	mm	calibre	mm	color	kg/m	6mts (kg)
1 X 1	25.4 x 25.4	14	1.89	AZUL	1.44	8.64
		12	2.66	VERDE	1.87	11.22
		10	3.42	ROJO	2.27	13.62
1 1/4 X 1 1/4	31.7 x 31.7	14	1.98	AZUL	1.78	10.68
1 1/2 X 1 1/2	38.1 x 38.1	14	1.89	AZUL	2.18	13.08
		12	2.66	BLANCO	2.96	17.76
		11	3.04	VERDE	3.33	19.98
		14	1.89	AZUL	2.95	17.70
2 X 2	50.8 x 50.8	12	2.66	BLANCO	4.05	24.30
		11	3.04	VERDE	4.55	27.30
		9	3.80	ROJO	5.56	33.36
		14	1.89	AZUL	3.69	22.14
2 1/2 X 2 1/2	63.5 x 63.5	11	3.04	BLANCO	5.82	34.92
		9	3.80	VERDE	7.13	42.78
		7	4.55	ROJO	8.37	50.22
		14	1.89	AZUL	3.69	22.14
		11	3.04	BLANCO	5.82	34.92
3 X 2	76.2 x 50.8	9	3.80	VERDE	7.13	42.78
		7	4.55	ROJO	8.37	50.22
		14	1.89	AZUL	4.59	27.54
		11	3.04	BLANCO	7.09	42.54
		9	3.80	VERDE	8.72	52.32
3 X 3	76.2 x 76.2	7	4.55	ROJO	10.28	61.68
		1/4	6.35	NEGRO	13.15	78.90
		14	1.89	AZUL	5.27	31.62
		11	3.04	BLANCO	8.34	50.04
		9	3.80	VERDE	10.28	61.68
3 1/2 X 3 1/2	88.9 x 88.9	7	4.55	ROJO	12.16	72.96
		14	1.89	AZUL	4.59	27.54
		11	3.04	BLANCO	7.09	42.54
		9	3.80	VERDE	8.72	53.32
		7	4.55	ROJO	10.28	61.68
4 X 2	101.6 x 50.8	14	1.89	AZUL	5.27	31.62
		11	3.04	BLANCO	8.34	50.04
		9	3.80	VERDE	10.28	61.68
4 X 3	101.6 x 76.2	7	4.55	ROJO	12.16	72.96
		14	1.89	AZUL	5.27	31.62
		11	3.04	BLANCO	8.34	50.04
4 X 4	101.6 x 101.6	9	3.80	VERDE	12.03	72.18
		7	4.55	ROJO	14.30	85.80





Derivados de alambión

ALAMBRÓN

Espesor		Peso
pulg	mm	kg/m
a		
7/32	5.5	0.189
1/4	6.3	0.249
5/16	7.9	0.388
3/8	9.5	0.559

MALLA ELECTROSOLDADA

Diseño	Rollo		Hoja		Peso
	Ancho	Largo (m)	Ancho	Largo (m)	
	a	b	a	b	
66-44	2.5	40	250	6	2.71
66-66	2.5	40	250	6	1.98
66-88	2.5	40	250	6	1.41
66-1010	2.5	40	250	6	0.98

CLAVO

pulg	mm	clavos por kg (aprox)	kg/caja
a			
1	25.4	1593	EN CAJAS DE 25 KILOS
1 1/2	38.1	1121	
2	50.8	467	
2 1/2	63.5	249	
3	76.2	173	
3 1/2	88.9	98	
4	101.6	75	

ALAMBRE RECOCIDO

calibre	mm	Rollos	metros x kg
a			
C-16	1.65	de 45 a pieza	59



Derivados de alambrón

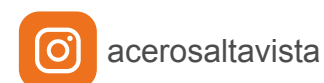
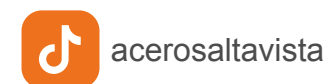


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