

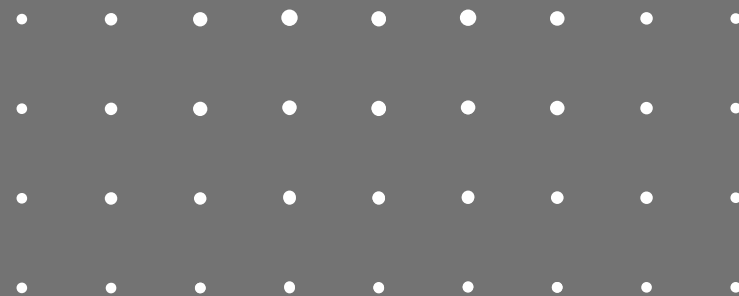


CATÁLOGO DE MATERIAS PRIMAS 2026

ACEROS Y PROYECTOS 21



ÍNDICE DE PÁGINAS



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LÁMINAS (CR/HR) & PLACAS



LÁMINA ROLADO CALIENTE	Calibre	Espesor		Peso x Medida de Hojas (Teóricos)						Peso
		Pulgadas	mm	3' x 8'	3' x 10'	4' x 8'	4' x 10'	5' x 10'	5' x 20'	6'
										Kg / m
	7	0.180	4.6	81	101	108	135	-	-	36.27
	8	0.165	4.2	74	93	99	124	155	309	33.25
	9	0.150	3.8	67	84	90	112	-	-	30.23
	10	0.135	3.4	61	76	81	101	126	253	27.2
	11	0.120	3.0	54	67	72	90	112	225	34.18
	12	0.105	2.7	47	59	63	79	98	197	21.16
	13	0.090	2.3	40	51	54	67	-	-	18.14
	14	0.075	1.9	34	42	45	56	70	140	15.11
	16	0.060	1.5	-	-	36	45	-	-	12.09
	18	0.048	1.2	-	-	29	36	-	-	9.67
	20	0.036	0.9	-	-	22	27	-	-	7.25

Medidas Especiales
(Verificar Existencias)



LÁMINAS ANTIDERRAPANTE	Calibre	Espesor		Peso x Medida de Hojas (Teórico)				Peso
		Pulgadas	mm	3' x 10'	4' x 10'	5' x 10'	5' x 20'	Kg / m
	16	0.060	1.5	-	45	-	-	12.1
	14	0.075	1.9	51	68	-	-	18.3
	12	0.105	2.7	71	95	-	-	25.6
	1/8	0.125	3.2	84	112	139	279	30.0
	3/16	0.187	4.8	118	158	197	395	42.5
	1/4	0.250	6.4	153	204	255	510	54.9
	3/8	0.375	9.5	-	297	-	-	79.8

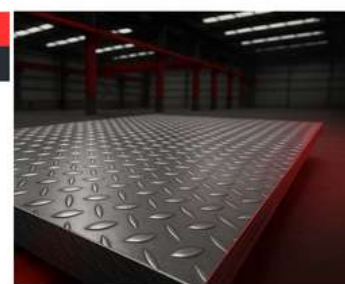


LÁMINA ROLADA FRÍA	Calibre	Espesor		Peso x Medida de Hojas (Teóricos)				Peso
		Pulgadas	mm	3' x 8'	3' x 10'	4' x 8'	4' x 10'	Kg / m
	16	0.060	1.5	27	34	36	45	12.1
	18	0.048	1.2	22	27	29	36	9.7
	20	0.036	0.9	16	20	22	27	7.3
	22	0.03	0.8	13	17	18	22	6.1
	24	0.024	0.6	11	13	14	18	4.8
	26	0.019	0.5	9	11	-	-	3.6



PLACA DE ROLLO	Calibre	Espesor		Peso x Medida de Hojas (Teóricos)						Peso
		Pulgadas	mm	3' x 8'	3' x 10'	4' x 8'	4' x 10'	5' x 10'	5' x 20'	6'
										Kg / m
	3/16	0.187	4.8	84	105	112	140	176	351	421
	1/4	0.25	6.3	112	140	150	187	234	468	562
	5/16	0.315	7.9	140	176	187	234	293	585	702
	3/8	0.437	9.5	168	211	225	281	351	702	842
	1/2	0.625	12.7	225	281	300	374	468	936	1123
	5/8	0.625	15.9	281	351	374	468	585	1170	1404
	3/4	0.75	19.0	337	421	449	562	702	1404	1685



SOLERAS

SOLERAS

Pulgadas		Milímetros		Peso
Espesor	Ancho	Espesor	Ancho	Kg x m
1/8	1/2	3.2	12.7	0.31
	3/4	3.2	19.1	0.47
	1	3.2	25.4	0.63
	1 1/4	3.2	31.7	0.79
	1 1/2	3.2	38.1	0.95
	2	3.2	50.8	1.26
3/16	1/2	4.8	12.7	0.47
	3/4	4.8	19.1	0.71
	1	4.8	25.4	0.94
	1 1/4	4.8	31.7	1.18
	1 1/2	4.8	38.1	1.42
	2	4.8	50.8	1.9
1/4	2 1/2	4.8	63.5	2.37
	1/2	6.3	12.7	0.63
	3/4	6.3	19.1	0.95
	1	6.3	25.4	1.26
	1 1/4	6.3	31.7	1.58
	1 1/2	6.3	38.1	1.9
	2	6.3	50.8	2.53
	2 1/2	6.3	63.5	3.29
	3	6.3	76.2	3.79
	4	6.3	101.6	5.06
	5	6.3	127	6.32
	6	6.3	152.4	7.9
	8	6.3	203.2	10.12
	10	6.3	254	12.65
5/16	12	6.3	304.8	15.18
	1	7.9	25.4	1.58
	1 1/2	7.9	38.1	2.37
	2	7.9	50.8	3.16
	2 1/2	7.9	63.5	3.95
	3	7.9	76.2	4.79
	4	7.9	101.6	6.32
	5	7.9	127	7.9
	6	7.9	152.4	9.49

SOLERAS (CONTINUACIÓN)

Pulgadas		Milímetros		Peso
Espesor	Ancho	Espesor	Ancho	Kg x m
3/8	1	9.5	25.4	1.9
	1 1/4	9.5	31.7	2.37
	1 1/2	9.5	38.1	2.84
	2	9.5	50.8	3.79
	2 1/2	9.5	63.5	4.74
	3	9.5	76.2	5.69
	4	9.5	101.6	7.59
	5	9.5	127	9.49
	6	9.5	152.4	11.38
	8	9.5	203.2	15.19
	10	9.5	254	18.99
	12	9.5	304.8	22.78
1/2	1 1/2	12.7	38.1	3.81
	2	12.7	50.8	5.06
	2 1/2	12.7	63.5	6.32
	3	12.7	76.2	7.59
	4	12.7	101.6	10.12
	5	12.7	127	12.65
	6	12.7	152.4	15.18
	8	12.7	203.2	20.25
	10	12.7	254	25.31
	12	12.7	304.8	30.39
5/8	4	15.9	101.6	12.65
	5	15.9	127	15.81
	6	15.9	152.4	18.97
	8	15.9	203.2	25.31
	10	15.9	254	31.65
	2 1/2	19.05	63.5	9.49
3/4	3	19.05	76.2	11.39
	4	19.05	101.6	15.18
	5	19.05	127	18.98
	6	19.05	152.4	22.77
	8	19.05	203.2	30.38
	10	19.05	254	37.98
	12	19.05	304.8	45.57



ESTRUCTURAL IPR

ESTRUCTURAL IPR

Espesor		Peso x Kg (Teórico)	Peralte		Ancho de Patín		Espesor de Patín		Espesor de Alma	
Pulgadas	mm		Pulgada (")	mm	Pulgada (")	mm	Pulgada (")	mm	Pulgada (")	mm
4" x 4"	101.6 x 101.6	19.3	4.16	106	4.06	103	0.35	8.9	0.28	7.1
5" x 5"	127.0 x 127.0	23.8	5.01	127	5.00	127	0.36	9.1	0.24	6.1
		28.3	5.15	131	5.03	128	0.43	10.9	0.27	6.9
		12.7	5.83	148	3.94	100	0.19	4.8	0.17	4.3
6" x 4"	152.4 x 101.6	13.4	5.90	150	3.94	100	0.22	5.6	0.17	4.3
		17.9	6.03	153	4.00	102	0.28	7.1	0.23	5.8
		23.8	6.28	160	4.03	102	0.41	10.4	0.26	6.6
6" x 6"	152.4 x 152.4	22.3	5.99	152	5.99	152	0.26	6.6	0.23	5.8
		29.8	6.20	157	6.02	153	0.37	9.4	0.26	6.6
		37.2	6.38	162	6.08	154	0.46	11.7	0.32	8.1
8" x 4"	203.2 x 101.6	14.9	7.89	200	3.94	100	0.21	5.3	0.17	4.3
		19.3	7.99	203	4.00	102	0.26	6.6	0.23	5.8
		22.3	8.11	206	4.02	102	0.32	8.1	0.25	6.3
8" x 5 1/4"	203.2 x 133.3	26.8	8.14	207	5.25	133	0.33	8.4	0.23	5.8
		31.3	8.28	210	5.27	134	0.40	10.2	0.25	6.3
		35.7	7.93	201	6.50	165	0.40	10.2	0.25	6.3
8" x 6 1/2"	203.2 x 165.1	41.7	8.06	205	6.54	166	0.47	11.9	0.29	7.4
		46.1	8.00	203	8.00	203	0.44	11.2	0.29	7.4
		52.1	8.12	206	8.02	204	0.50	12.7	0.31	7.9
8" x 8"	203.2 x 203.2	59.5	8.25	210	8.07	205	0.56	14.2	0.36	9.1
		71.4	8.50	216	8.11	206	0.69	17.4	0.40	10.2
		86.0	8.74	222	8.23	209	0.81	20.6	0.51	13.0
10" x 4"	254.0 x 101.6	99.0	9.02	229	8.27	210	0.93	23.7	0.57	14.5
		17.9	9.87	251	3.96	101	0.21	5.3	0.19	4.8
		22.3	9.99	254	4.00	102	0.27	6.9	0.23	5.8
10" x 5 3/4"	254.0 x 146.0	25.3	10.11	257	4.01	102	0.33	8.4	0.24	6.1
		28.3	10.24	260	4.02	102	0.40	10.2	0.25	6.3
		32.7	10.17	258	5.75	146	0.36	9.1	0.24	6.1
10" x 8"	254.0 x 203.2	38.7	10.33	262	5.77	147	0.44	11.2	0.26	6.6
		44.6	10.47	266	5.81	148	0.51	13.0	0.30	7.6
		49.1	9.73	247	7.96	202	0.44	11.2	0.29	7.4
10" x 10"	254.0 x 254.0	58.0	9.92	252	7.99	203	0.53	13.5	0.32	8.1
		67.0	10.10	257	8.02	204	0.62	15.7	0.35	8.9
		72.9	9.98	253	10.00	254	0.56	14.2	0.34	8.6
12" x 4"	304.8 x 101.6	80.4	10.09	256	10.03	255	0.62	15.7	0.37	9.4
		89.4	10.22	260	10.08	256	0.68	17.3	0.42	10.7
		101.2	10.40	264	10.13	257	0.77	19.6	0.47	11.9
12" x 6 1/2"	304.8 x 165.1	114.6	10.60	269	10.19	259	0.87	22.1	0.53	13.5
		131.1	10.84	275	10.26	261	0.99	25.1	0.61	15.4
		148.9	11.10	282	10.35	263	1.12	28.4	0.68	17.3
12" x 8"	304.8 x 203.2	167.0	11.38	289	10.43	265	1.25	31.8	0.76	19.2
		20.8	11.91	303	3.97	101	0.23	5.8	0.20	5.1
		23.8	11.99	305	3.99	101	0.27	6.9	0.22	5.6
12" x 10"	304.8 x 254.0	28.3	12.16	309	4.01	102	0.35	8.9	0.24	6.1
		32.7	12.31	313	4.03	102	0.43	10.9	0.26	6.6
		38.7	12.22	310	6.49	165	0.38	9.7	0.23	5.8
12" x 12"	304.8 x 304.8	44.6	12.34	313	6.52	166	0.44	11.2	0.26	6.6
		52.1	12.50	317	6.56	167	0.52	13.2	0.30	7.6
		59.5	11.94	303	8.01	203	0.52	13.2	0.30	7.6
12" x 12"	304.8 x 304.8	67.0	12.06	306	8.05	204	0.58	14.7	0.34	8.6
		74.4	12.19	310	8.08	205	0.64	16.3	0.37	9.4
		78.9	12.06	306	10.00	254	0.58	14.7	0.35	8.9
12" x 12"	304.8 x 304.8	86.3	12.19	310	10.01	254	0.64	16.3	0.36	9.1
		96.7	12.12	308	12.00	305	0.61	15.5	0.39	9.9
		107.1	12.25	311	12.04	306	0.67	17.0	0.43	10.9
12" x 12"	304.8 x 304.8	117.6	12.38	314	12.08	307	0.74	18.8	0.47	11.9
		129.6	12.53	318	12.13	308	0.81	20.6	0.52	13.1
		142.9	12.71	323	12.16	309	0.90	22.9	0.55	14.0
12" x 12"	304.8 x 304.8	157.9	12.89	327	12.22	310	0.99	25.1	0.61	15.5
		178.6	13.12	333	12.32	313	1.10	28.1	0.71	18.0
		202.4	13.41	341	12.40	315	1.25	31.8	0.79	20.1
12" x 12"	304.8 x 304.8	226.2	13.71	348	12.48	317	1.40	35.6	0.87	22.1
		253.0	14.03	356	12.57	319	1.56	39.6	0.96	24.4



ESTRUCTURAL IPR

Espesor		Peso x Kg (Teórico)	Peralte		Ancho de Patín		Espesor de Patín		Espesor de Alma	
Pulgadas	mm		Pulgada (")	mm	Pulgada (")	mm	Pulgada (")	mm	Pulgada (")	mm
14" x 6 3/4"	355.6 x 171.4	44.6	13.84	352	6.73	171	0.39	9.9	0.27	6.9
		50.6	13.98	355	6.75	171	0.46	11.7	0.29	7.4
		56.5	14.10	358	6.77	172	0.52	13.2	0.31	7.9
14" x 8"	355.6 x 203.2	64.0	13.66	347	8.00	203	0.53	13.5	0.31	7.9
		71.4	13.79	350	8.03	204	0.60	15.2	0.34	8.6
		78.9	13.92	354	8.06	205	0.66	16.8	0.37	9.4
14" x 10"	355.6 x 254.0	90.8	13.89	353	10.00	254	0.65	16.5	0.38	9.7
		101.2	14.04	357	10.04	255	0.72	18.3	0.42	10.7
		110.1	14.17	360	10.07	256	0.79	20.1	0.45	11.4
14" x 14 1/2"	355.6 x 368.3	122.0	14.31	363	10.13	257	0.86	21.8	0.51	13.0
		133.9	14.02	356	14.52	369	0.71	18.0	0.44	11.2
		147.3	14.16	360	14.57	370	0.78	19.8	0.49	12.4
14" x 16"	355.6 x 406.4	162.2	14.32	364	14.61	371	0.86	21.8	0.53	13.5
		178.6	14.48	368	14.67	373	0.94	23.9	0.59	15.0
		196.4	14.66	372	14.73	374	1.03	26.2	0.65	16.5
16" x 5 1/2"	406.4 x 139.7	215.8	14.78	375	15.50	394	1.09	27.7	0.68	17.3
		236.6	14.98	380	15.57	395	1.19	30.2	0.75	19.0
		261.9	15.22	387	15.65	398	1.31	33.3	0.83	21.1
16" x 7"	406.4 x 177.8	287.2	15.48	393	15.71	399	1.44	36.6	0.89	22.6
		314.0	15.72	399	15.80	401	1.56	39.6	0.98	24.9
		346.7	16.04	407	15.89	404	1.72	43.7	1.07	27.2
16" x 10 1/4"	406.4 x 260.3	382.4	16.38	416	15.99	406	1.89	48.0	1.17	29.7
		421.1	16.74	425	16.11	409	2.07	52.6	1.29	32.8
		462.8	17.12	434	16.23	412	2.26	57.4	1.41	35.8
16" x 12"	406.4 x 304.8	38.7	15.69	399	5.50	140	0.35	8.9	0.25	6.3
		46.1	15.88	403	5.53	140	0.44	11.2	0.28	7.1
		53.6	15.86	403	6.99	178	0.43	10.9	0.30	7.6
16" x 14"	406.4 x 354.3	59.5	16.01	407	7.00	178	0.51	13.0	0.31	7.9
		67.0	16.13	410	7.04	179	0.57	14.5	0.35	8.9
		74.4	16.26	413	7.07	180	0.63	16.0	0.38	9.7
16" x 16"	406.4 x 406.4	84.8	16.43	417	7.12	181	0.72	18.3	0.43	10.9
		99.7	16.33	415	10.24	260	0.67	17.0	0.40	10.2
		114.6	16.52	420	10.30	262	0.76	19.3	0.46	11.7
18" x 6"	457.2 x 152.4	132.6	16.75	425	10.37	263	0.88	22.2	0.53	13.3
		149.0	16.97	431	10.43	265	0.99	25.0	0.59	14.9
		52.1	17.70	450	6.00	152	0.43	10.9	0.30	7.6
18" x 8"	457.2 x 203.2	59.5	17.90	455	6.02	153	0.53	13.5	0.32	8.1
		68.4	18.06	459	6.06	154	0.61	15.5	0.36	9.1
		74.4	17.99	457	7.50	190	0.57	14.5	0.36	9.1
18" x 10"	457.2 x 254.0	81.8	18.11	460	7.53	191	0.63	16.0	0.39	9.9
		89.3	18.24	463	7.56	192	0.70	17.8	0.42	10.7
		96.7	18.35	466	7.59	193	0.75	19.0	0.45	11.4
18" x 12"	457.2 x 304.8	105.6	18.47	469	7.64	194	0.81	20.6	0.50	12.7
		113.1	18.21	463	11.04	280	0.68	17.3	0.43	10.9
		128.0	18.39	467	11.09	282	0.77	19.6	0.48	12.2
18" x 14"	457.2 x 354.3	144.3	18.59	472	11.15	283	0.87	22.1	0.54	13.7
		157.7	18.73	476	11.20	284	0.94	23.9	0.59	15.0
		177.1	18.97	482	11.27	286	1.06	26.9	0.66	16.8
18" x 16"	457.2 x 406.4	193.5	19.25	489	11.16	284	1.20	30.5	0.67	17.0
		212.8	19.49	495	11.22	285	1.32	33.5	0.73	18.5
		235.1	19.72	501	11.30	287	1.44	36.6	0.81	20.6
21" x 6"	533.4 x 152.4	260.0	20.04	509	11.38	289	1.59	40.4	0.90	22.6
		65.5	20.66	525	6.50	165	0.45	11.4	0.35	8.9
		74.4	20.83	529	6.53	166	0.54	13.7	0.38	9.7
21" x 8"	533.4 x 203.2	84.8	21.06	534	6.56	166	0.65	16.5	0.41	10.4
		71.5	20.63	524	8.15	207	0.43	10.9	0.35	9.0
		81.8	20.80	528	8.22	209	0.52	13.2	0.38	9.6
21" x 10"	533.4 x 254.0	92.3	20.99	533	8.24	209	0.62	15.7	0.40	10.2
		101.2	21.13	537	8.27	210	0.69	17.5	0.43	10.9
		108.7	21.24	539	8.30	211	0.74	18.8	0.46	11.6
21" x 12"	533.4 x 304.8	123.5	21.43	544	8.36	212	0.84	21.3	0.52	13.2
		138.4	21.62	549	8.42	214	0.93	23.6	0.58	14.7
21" x 14"	533.4 x 354.3	150.3	21.36	543	12.29	312	0.80	20.3	0.50	12.7
		165.2	21.51	546	12.34	313	0.88	22.4	0.55	14.0
		181.5	21.68	551	12.39	315	0.96	24.4	0.60	15.2
21" x 16"	533.4 x 406.4	196.7	21.83	554	12.44	316	1.04	26.3	0.65	16.5
		218.7	22.06	560	12.51	318	1.15	29.2	0.72	18.3
		247.0	22.5	571	12.40	315	1.36	34.5	0.75	19



ESTRUCTURAL IPR

Espesor		Peso x Kg (Teórico)	Peralte		Ancho de Patín		Espesor de Patín		Espesor de Alma	
Pulgadas	mm		Pulgada (")	mm	Pulgada (")	mm	Pulgada (")	mm	Pulgada (")	mm
21" x 12 1/4"	533.4 x 311.1	247	22.5	571	12.4	315	1.36	34.5	0.75	19
24" x 7"	609.6 x 177.8	81.8	23.57	599	7.01	178	0.51	13.0	0.40	10.2
		92.3	23.74	603	7.04	179	0.59	15.0	0.43	10.9
		101.2	23.73	603	8.97	228	0.59	15.0	0.42	10.7
24" x 9"	609.6 x 228.6	113.1	23.92	608	8.99	228	0.68	17.3	0.44	11.2
		125.0	24.10	612	9.02	229	0.77	19.6	0.47	11.9
		139.9	24.31	617	9.07	230	0.88	22.4	0.52	13.2
		153.3	24.53	623	9.00	229	0.98	24.9	0.55	14.0
		154.8	24.06	611	12.75	324	0.75	19.0	0.50	12.7
24" x 12 3/4"	609.6 x 323.8	174.1	24.26	616	12.80	325	0.85	21.6	0.55	14.0
		194.9	24.48	622	12.86	327	0.96	24.4	0.61	15.5
		217.3	24.74	628	12.90	328	1.09	27.7	0.65	16.5
		241.0	25.00	635	12.95	328	1.22	31.0	0.70	17.8
		261.9	25.24	641	12.89	327	1.34	34.0	0.75	19.1
		285.0	25.47	647	12.95	329	1.46	37.1	0.81	20.6
		306.0	25.70	653	13.00	330	1.57	39.9	0.87	22.1
		217.3	27.38	695	13.97	355	0.98	24.9	0.61	15.5
27" x 14"	685.8 x 355.6	239.6	27.59	701	14.02	356	1.08	27.4	0.66	16.8
		265.0	27.79	706	14.09	358	1.19	30.2	0.72	18.4
		289.0	28.11	714	14.01	356	1.34	34.0	0.75	19.0
		133.9	29.53	750	10.40	264	0.61	15.5	0.47	11.9
30" x 10 1/2"	762.0 x 266.7	147.3	29.65	753	10.45	265	0.67	17.0	0.52	13.2
		160.7	29.83	758	10.48	266	0.76	19.3	0.55	14.0
		172.6	30.01	762	10.50	267	0.85	21.6	0.57	14.5
		184.7	30.17	766	10.52	267	0.93	23.6	0.59	14.9
		196.4	30.31	769	10.54	267	1.00	25.4	0.61	15.5
		220.2	30.67	779	10.48	266	1.18	30.0	0.65	16.5
27" x 10"	658.8 x 254.0	125.0	26.71	678	9.96	253	0.64	16.3	0.46	11.7
		139.9	26.92	684	9.99	254	0.75	19.0	0.49	12.4
		151.8	27.09	688	10.02	255	0.83	21.1	0.52	13.2
		169.6	27.29	693	10.07	256	0.93	23.6	0.57	14.5
30" x 15"	762.0 x 381.0	192.0	27.63	702	10.01	254	1.10	27.9	0.61	15.5
		257.5	30.43	773	15.00	381	1.07	27.1	0.66	16.7
		284.2	30.66	779	15.04	382	1.19	30.1	0.71	18.0
		314.0	30.94	786	15.12	384	1.31	33.4	0.78	19.7
33" x 11 1/2"	840 x 292.1	175.6	32.86	835	11.48	292	0.74	18.8	0.55	14.0
		193.4	33.09	840	11.51	292	0.86	21.8	0.58	14.7
		209.8	33.30	846	11.54	293	0.96	24.4	0.61	15.5
		226.2	33.49	850	11.56	293	1.05	26.7	0.63	16.0
		251.0	33.80	859	11.50	292	1.22	31.0	0.67	17.0
33" x 15 3/4"	838.2 x 400.1	299.0	33.70	856	15.71	399	1.15	29.2	0.72	18.2
		329.0	33.90	861	15.79	401	1.28	32.5	0.77	19.7
		200.9	35.55	903	11.95	304	0.79	20.1	0.60	15.2
36" x 12"	914.4 x 304.8	223.2	35.85	911	11.98	304	0.94	23.9	0.63	16.0
		238.1	36.01	915	12.00	305	1.02	25.9	0.65	16.5
		253.3	36.17	918	12.03	306	1.10	27.9	0.68	17.2
		271.0	36.30	923	12.09	307	1.18	30.0	0.72	18.4
		312.5	36.69	932	12.18	309	1.36	34.5	0.83	21.1
40" x 12"	1016 x 304.8	221.7	38.20	970	11.81	300	0.83	21.1	0.63	16.0
		249.0	38.6	980	11.81	300	1.02	26	0.65	16.5
		272.0	39.0	990	11.81	300	1.22	31	0.65	16.5
		314.0	39.4	1000	11.81	300	1.41	35.9	0.75	19.1
44" x 16"	1100 x 400.0	343.0	42.9	1090	15.75	400	1.22	31	0.71	18
		390.0	43.3	1100	15.75	400	1.42	36	0.79	20
		433.0	43.6	1108	15.83	402	1.57	40	0.87	22
		433.0	42.91	1090	15.75	400	1.22	31	0.71	18
		390.0	43.31	1100	15.75	400	1.41	36	0.79	20
		433.0	43.62	1108	15.83	402	1.57	40	0.87	22



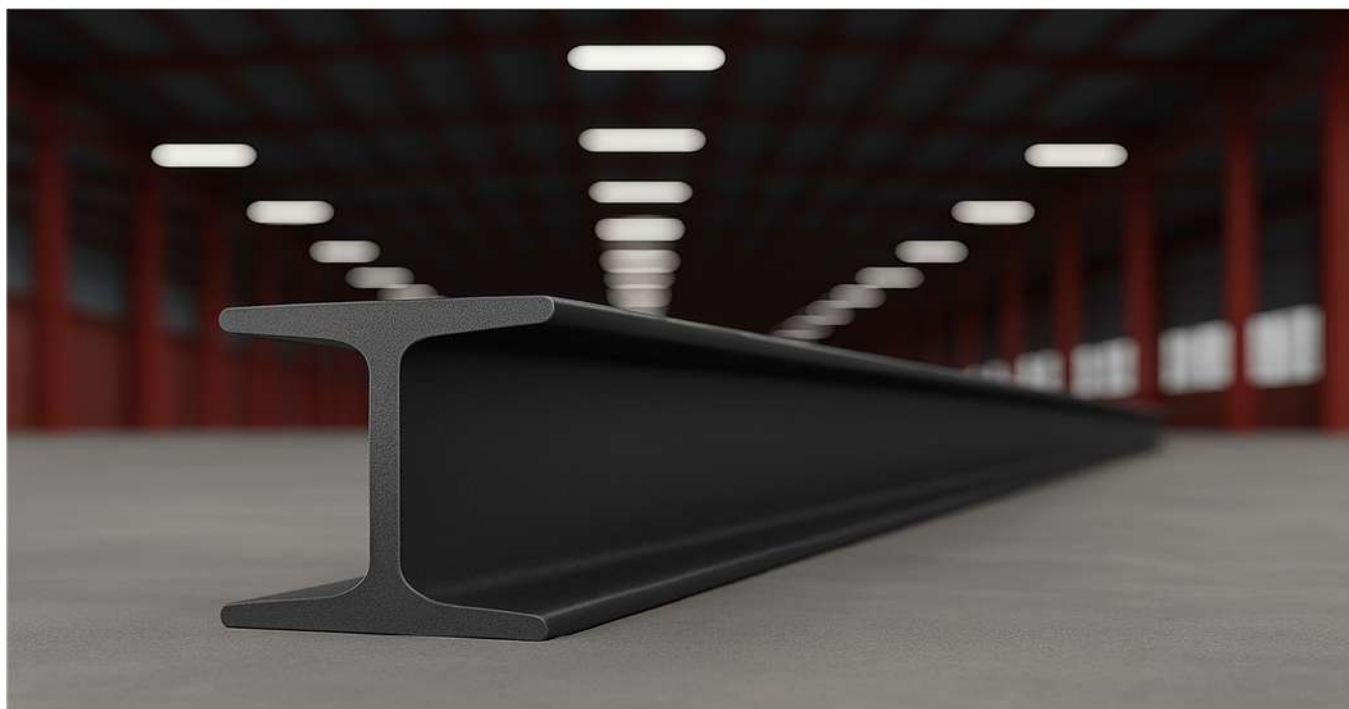
VIGAS IPS & CARROCERAS

VIGA IPS

Peralte		Peso	Ancho de Patín	Espesor de Alma
Pulgadas	mm	Kg x m	Kg x m	Kg x m
3.000	76.2	8.480	2.330	0.170
4.000	101.6	11.46	2.67	0.19
5.000	127.0	14.880	3.000	0.210
6.000	152.4	18.6	3.33	0.23
7.875	200.0	26.200	3.540	0.270
8.000	203.2	27.380	4.000	0.270

VIGA CARROCERA

Peralte		Peso	Ancho de Patín	Espesor de Alma
Pulgadas	mm	Kg x m	Pulgadas	Pulgadas
3 x 2.250	76.2 x 57.15	4.820	2.250	0.092
4 x 2.250	101.6 x 57.15	4.83	2.250	0.092



ÁNGULOS SIMÉTRICOS / DESIGUALES



ÁNGULOS SIMÉTRICOS (6.10m de largo en Acero A36 o Grado 50)

Pulgadas		Milímetros		Peso
Espesor	Ancho	Espesor	Ancho	Kg x m
0.109	3/4	2.800	19.0	0.800
	1		25.4	1.050
	1 1/4		31.7	1.330
	1 1/2		38.1	1.610
0.125	3/4	3.200	19.0	0.880
	1		25.4	1.190
	1 1/4		31.7	1.500
	1 1/2		38.1	1.830
0.156	2	4	50.8	2.460
	1 1/2		38.1	1.610
	2		50.8	3.630
	1		25.4	1.730
0.188	1 1/4	4.800	31.7	2.200
	1 1/2		38.1	2.680
	1 3/4		44.4	3.150
	2		50.8	3.630
	2 1/2		63.5	4.570
	3		76.2	5.520
1/4	1	6.3	25.4	2.220
	1 1/4		31.7	2.860
	1 1/2		38.1	3.480
	2		50.8	4.750
	2 1/2		63.5	6.100
	3		76.2	7.290
5/16	4	7.9	101.6	9.820
	3		76.2	9.080
	4		101.6	12.200
	2		50.8	6.990
	2 1/2		63.5	8.780
	3		76.2	10.710
3/8	4	9.5	101.6	14.580
	5		127	18.300
	6		152.4	22.170
	3		76.2	13.990
	4		101.6	19.050
	5		127	18.230
1/2	6	12.7	152.4	29.160
	5/8		15.9	22.170
	3/4		19.05	22.170
	6		152.4	22.170

ÁNGULOS SIMÉTRICOS (12.20m y/o 6.10 de largo en Acero A529 / A572 Grado 50)

Pulgadas		Milímetros		Peso
Espesor	Ancho	Espesor	Ancho	Kg x m
0.109	1	2.800	25.4	1.050
	1 1/4		31.7	1.330
	1 1/2		38.1	1.610
	1 3/4		44.4	2.140
1/8	2	3.200	50.8	2.460
	1 3/4		44.4	3.150
	2		50.8	3.630
	2 1/2		63.5	4.570
3/16	3	4.800	76.2	5.520
	1 3/4		44.4	4.120
	2		50.8	4.750
	2 1/2		63.5	6.100
1/4	3	6.3	76.2	7.290
	3 1/2		88.9	8.630
	4		101.6	9.820
	3		76.2	9.080
5/16	3 1/2	7.9	88.9	10.710
	4		101.6	12.200
	5		127	15.320
	6		152.4	18.450
3/8	3	9.5	76.2	10.710
	3 1/2		88.9	12.640
	4		101.6	14.580
	5		127	18.300
1/2	6	12.7	152.4	22.170
	3		76.2	13.990
	4		101.6	19.050
	5		127	24.110
9/16	6	14.3	152.4	29.160
	8		203.2	39.280
	5/8		101.6	23.360
	6		152.4	36.010
3/4	8	15.9	203.2	48.660
	6		152.4	66.960
	8		203.2	152.400
	7/8		22.2	66.960
1	6	25.4	152.4	55.650
	8		203.2	75.890
1 1/8	8	28.56	203	84.680

ÁNGULOS
DESIGUALES

Pulgadas		Milímetros		Peso
Espesor	Ancho	Espesor	Ancho	Kg x m
3/16	3 x 2	4.760	76.2 x 50.8	4.570
1/4	3 x 2	6.35	76.2 x 50.8	6.700
5/16	4 x 3	7.90	101.6 x 76.2	10.700
3/8	4 x 3	9.53	101.6 x 76.2	18.300
1/2	6 x 4	12.70	152.4 x 101.6	24.110

PTR A500 & A513

PTR RECTANGULAR (A500 & A513)

Dimensiones					
Medida	Calibre	Espesor	Largo (m)	Kg x m	Material
1" x 1/2"	18	0.048	6.00	0.680	A513
1 1/4" x 3/4"	20	0.036	6.00	0.700	A513
	18	0.048	6.00	0.920	A513
1 1/2" x 1/2"	20	0.036	6.00	0.700	A513
	18	0.048	6.00	0.920	A513
1 1/2" x 1"	20	0.036	6.00	0.880	A513
	18	0.048	6.00	1.160	A513
	16	0.060	6.00	1.440	A513
	14	0.075	6.00	1.780	A513
	11	0.120	6.00	2.550	A500
1 3/4" x 3/4"	20	0.036	6.00	0.880	A513
	18	0.048	6.00	1.160	A513
2" x 1"	20	0.036	6.00	1.060	A513
	18	0.048	6.00	1.400	A513
	16	0.060	6.00	1.750	A513
	14	0.075	6.00	2.150	A500
	11	0.120	6.00	3.150	A500
2 1/4" x 3/4"	20	0.036	6.00	1.060	A513
	18	0.048	6.00	1.400	A513
2 1/2" x 1 1/4"	20	0.036	6.00	1.340	A513
	18	0.048	6.00	1.770	A513
2 1/2" x 1 1/2"	14	0.075	6.00	2.910	A513
	18	0.048	6.00	1.890	A513
3" x 1"	16	0.060	6.00	2.350	A513
	14	0.075	6.00	2.910	A513
	11	0.120	6.00	4.360	A500
	10	0.135	6.00	4.840	A500
	20	0.036	6.00	1.610	A513
3" x 1 1/2"	18	0.048	6.00	2.130	A513
	14	0.075	6.00	3.290	A500
	11	0.120	6.00	4.900	A500
	14	0.075	6.00	3.670	A513
3" x 2"	12	0.105	6.00	5.130	A500
	11	0.120	6.00	5.800	A500
	10	0.135	6.00	6.520	A500
	7	0.180	6.00	8.340	A500
	1/4	0.250	6.00	11.570	A500
	14	0.075	6.00	4.040	A513
4" x 1 1/2"	14	0.075	6.00	4.420	A513
	12	0.105	6.00	6.130	A500
	11	0.120	6.00	6.830	A500
	9	0.150	6.00	8.330	A500
	7	0.180	6.00	10.000	A500
4" x 2"	1/4	0.250	6.10 / 12.20	13.130	A500
	14	0.075	6.00	5.18	A513
	11	0.120	6.10	7.99	A500*B
	9	0.150	6.10	9.84	A500*B
	7	0.180	6.10 / 12.20	12.14	A500*B
4" x 3"	1/4	0.250	6.10 / 12.20	16.53	A500*B
	11	0.120	6.10	7.99	A500*B
	7	0.180	6.10	12.14	A500*B
	14	0.075	6.00	5.93	A513
5" x 2"	1/8	0.125	6.10 / 12.20	9.21	A500*B
	3/16	0.187	6.10 / 12.20	13.5	A500*B
	1/4	0.250	6.10 / 12.20	18.16	A500*B
5" x 3"	14	0.075	6.10	5.93	A513
	1/8	0.125	6.10 / 12.20	9.21	A500*B
	3/16	0.187	6.10 / 12.20	13.5	A500*B
	1/4	0.250	6.10 / 12.20	18.16	A500*B
6" x 2"	1/8	0.125	6.10 / 12.20	11.85	A500*B
	3/16	0.187	6.10 / 12.20	17.85	A500*B
	1/4	0.250	6.10 / 12.20	23.22	A500*B
	1/8	0.125	12.20	12.31	A500*B
8" x 3"	3/16	0.187	12.20	20.2	A500*B



PTR A500 & A513

PTR CUADRADO (A500 & A513)

Dimensiones					
Medida	Calibre	Espesor	Largo (m)	Kg x m	Material
2 1/2 x 2 1/2	14	0.075	6.00	3.670	A513
	12	0.105	6.00	5.070	A500
	11	0.120	6.00	5.570	A500
	10	0.135	6.00	6.000	A500
	7	0.180	6.00	8.340	A500
	1/4	0.250	6.10	10.570	A500
3 x 3	14	0.075	6.00	4.420	A513
	11	0.120	6.10 / 12.20	7.060	A500
	9	0.150	6.10 / 12.20	8.330	A500
	1/4	0.250	6.10 / 12.20	13.100	A500
3 1/2 x 3 1/2	14	0.075	6.00	5.100	A513
	11	0.120	6.10 / 12.20	7.990	A500
	9	0.180	6.10 / 12.20	9.850	A500
	1/4	0.250	6.10 / 12.20	13.760	A500
4 x 4	14	0.075	6.00	6.300	A513
	1/8	0.125	6.10 / 12.20	9.210	A500
	9	0.150	6.10 / 12.20	10.760	A500
	3/16	0.187	6.10 / 12.20	13.410	A500
	1/4	0.250	6.10 / 12.20	17.720	A500
5 x 5	1/8	0.125	6.10 / 12.20	11.850	A500
	3/16	0.187	6.10 / 12.20	17.850	A500
	1/4	0.250	6.10 / 12.20	23.220	A500



TUBERÍA

Tubería Cédula 30

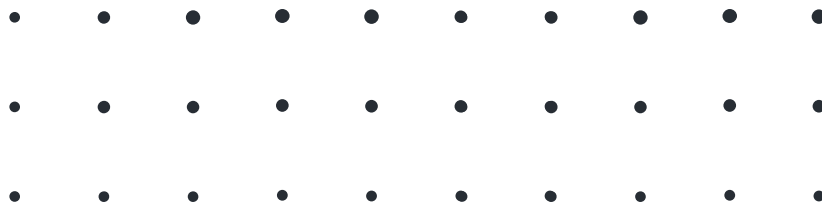
Dimensiones						
Medida	Diametro Exterior	Diametro Interior	Calibre	Espesor	Largo (m)	Kg x m
1/2	0.840	0.660	C14	0.075	6.000	0.910
3/4	1.050	0.900	C14	0.075	6.000	1.160
1	1.315	1.165	C14	0.075	6.000	1.470
1 1/4	1.660	1.480	C13	0.091	6.000	2.240
1 1/2	1.900	1.720	C13	0.091	6.000	2.580
2	2.375	2.165	C12	0.105	6.000	3.770
2 1/2	2.875	2.665	C12	0.105	6.100	4.610
3	3.500	3.260	C11	0.118	6.100	6.430
4	4.500	4.260	C11	0.118	6.100	8.330
6	6.625	6.250	3/16	0.187	6.100	19.230

Tubería Cédula 40

Dimensiones						
Medida	Diametro Exterior	Diametro Interior	Calibre	Espesor	Largo (m)	Kg x m
1/2	0.840	0.630	C12	0.105	6.000	1.220
3/4	1.050	0.840	C12	0.105	6.000	1.570
1	1.315	1.049	C10	0.135	6.000	2.520
1 1/4	1.660	1.380	C10	0.135	6.000	3.260
1 1/2	1.900	1.610	C10	0.135	6.000	4.160
2	2.375	2.067	C09	0.150	6.100	5.490
2 1/2	2.875	2.500	3/16	0.187	6.100	6.820
3	3.500	3.068	C04	0.225	6.100	11.670
4	4.500	4.026	C04	0.225	6.100	15.240
6	6.625	6.065	C1/4	0.280	6.100	28.240



TUBERÍA



Tubería Industrial

Dimensiones		Peso x Calibre & Diametro									
Diametro Exterior (")	Diametro Exterior (mm)	20	18	16	14	13	12	11	9	3/16	1/4
0.500	12.700	0.260	0.340	-	-	-	-	-	-	-	-
0.625	15.880	0.340	0.440	-	-	-	-	-	-	-	-
0.750	19.050	0.410	0.530	0.660	-	-	-	-	-	-	-
0.840	21.340	-	-	-	1.070	-	-	-	-	-	-
0.875	22.230	0.480	0.630	0.800	0.950	-	-	-	-	-	-
1.000	25.400	-	-	0.720	0.890	-	-	-	-	-	-
1.250	31.750	0.69	0.910	1.130	1.400	-	-	-	-	-	-
1.315	33.400	0.730	0.960	1.190	-	1.69	2.01	-	-	-	-
1.500	38.100	0.840	1.100	1.370	-	1.69	-	-	-	-	-
1.750	44.450	0.98	1.290	1.610	1.990	-	-	-	-	-	-
1.875	47.63	1.05	-	-	-	-	-	2.94	-	-	-
2.000	50.8	1.12	1.48	1.84	2.29	-	-	-	-	-	-
2.125	53.97	-	-	-	-	-	-	-	-	-	-
2.250	57.15	-	1.67	2.08	2.58	-	-	-	-	-	-
2.500	63.5	-	1.86	2.32	2.88	-	-	-	-	-	-
2.750	69.85	-	-	2.24	2.79	3.47	-	-	5	-	-
3.500	88.9	-	-	-	-	4.86	-	-	9.9	12.91	-
4.500	114.3	-	-	-	-	-	-	-	-	-	16.89



¿TRABAJAMOS JUNTOS?

acerosproyectos21@gmail.com

812-036-2236

