

TRADE ACERO



CATÁLOGO DE
PRODUCTOS
DE
ACERO

TRADE ACERO 



TRADE ACERO

VIGAS

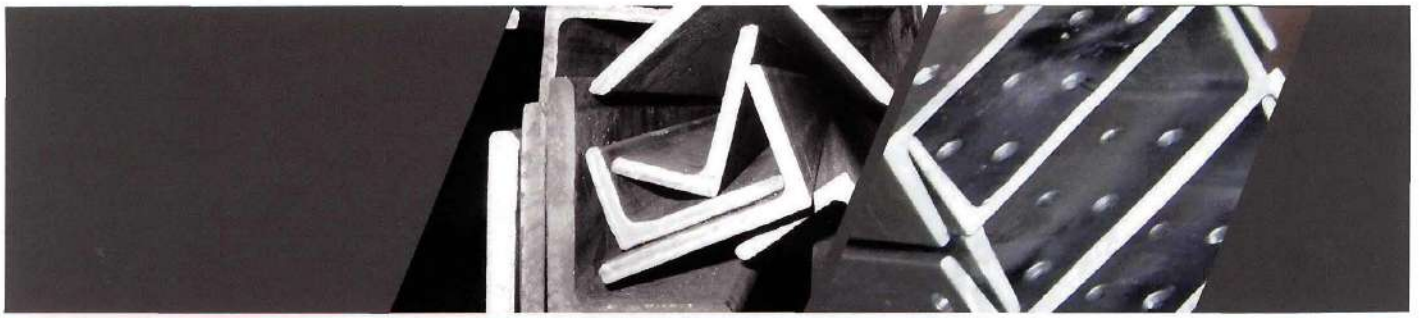
WF BEAMS

Dimensiones Size	Peso en lb/pie Footweights																		
4x4	13																		
5x5	16	19																	
6x4	8.5	9	12*	16*															
6x6	15*	20*	25*																
8x4	10	13*	15*																
8x5 1/4"	18*	21*																	
8x6 1/2"	24	28																	
8x8	31	35	40	48	58	67													
10x4	12	15*	17*	19*															
10x5 3/4"	22*	26*	30*																
10x8	33	39	45																
10x10	49	54	60	68	77	88	100	112											
12x4	14	16*	19*	22*															
12x6 1/2"	26*	30*	35*																
12x8	40*	45*	50*																
12x10	53	58																	
12x12	65	72	79	87	96	106	120	136	152	170	190	210	230	252	279	305	336		
14x5	22	26																	
14x6 3/4"	30*	34*	38*																
14x8	43*	48*	53*																
14x10	61	68	74	82															
14x14 1/2"	90	99	109	120	132														
14x16	145	159	176	193	211	233	257	283	311	342	370	398	426	455	500	550	605	665	730
16x5 1/2"	26	31																	
16x7	36*	40*	45*	50*	57*														
16x10 1/4"	67	77	89	100															
18x6	35*	40*	46*																
18x7 1/2"	41	45	50*	55*	60*	65*	71*												
18x11	76	86	97	106	119	130	143	158	175	192	211	234	258	283	311				
21x 6 1/2"	44	50	57																
21x8 1/4"	48	55	62	68	73	83	93												
21x12 1/4"	101	111																	
21x12 1/2"	122	132	147	166	182	201	223	248	275										
24x7	55	62																	
24x9	56	61	68	76	84	94	103												
24x 12 3/4"	104	117	131	146	162	176	192	207	229	250	279	306	335	370					
27x10	84	94	102	114	129														
27x14	146	161	178	194	217	235	258	281	307	336	368								
30x10 1/2"	90	99	108	116	124	132	148												
30x15	173	191	211	235	261	292	326	357	391										
33x11 1/2"	118	130	141	152	169														
33x15 3/4"	201	221	241	263	291	318	354	387											
36x12	135	150	160	170	182	194	210	232	256										
36x16 1/2"	231	247	262	282	302	330	361	395	441	487	529	652							
40x12	149	167	183	211	235	249	264	278	294	327	331	392							
40x16	199	215	249	277	297	324	362	372	397	431	503	593							
44x16	230	262	290	335															

Calidades Disponibles
Available Qualities

ASTM A572 Gr. 50 / A992
Certificación ABS

ASTM A709
*CVN (25 ft-lb) @ - 20 °C



TRADE ACERO

**ÁNGULOS
ANGLES**

**CANAL CPS
CHANNEL**

Tamaño Pulgadas Inches	Milímetros Milimeters	Peso Weight Kg/m
5/16 x	3	7.9 x 76.2 9.08
	4	101.6 12.20
	5	127.0 15.51
3/8 x	3	76.2 10.72
	4	101.6 14.60
	5	127.0 18.30
	6	152.4 22.17
1/2 x	3	76.2 13.99
	4	101.6 19.05
	5	127.0 24.11
	6	152.4 29.17
5/8 x	6	152.4 36.10
	8	203.2 48.40
3/4 x	6	152.4 42.71
	8	203.2 58.08
	10	254.0 73.10
7/8 x	8	203.2 66.97
	10	254.0 84.60
1 x	8	203.2 75.90
	10	254.0 96.20
1 1/8 x	8	203.2 84.68
	10	254.0 108.00
1 1/4 x	10	31.8 x 254.0 119.00
1 3/8 x	10	34.9 x 254.0 130.00

Medida Size	Peso Lb/Ft	(Weight) Kg/m
8"	11.5	17.1
8"	13.75	20.5
8"	18.75	27.9
10"	15.3	22.8
10"	20	30
10"	25	37
10"	30	45
12"	20.7	30.8
12"	25	37
12"	30	45
15"	33.9	50.4
15"	40	60
15"	50	74

Calidades Disponibles
Available Qualities

ASTM A36 ASTM A572 Gr. 50 ASTM A709 Gr. 50

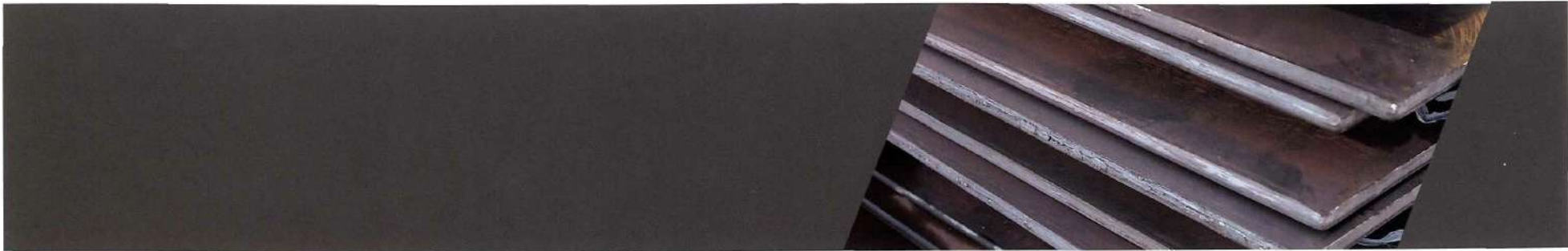
HSS

HOLLOW STRUCTURAL SECTION

Peso por pieza de 12.20 m de largo
Weight per piece of 40 ft length

Sección Size Pulgadas (In.)	Pared Thickness							
	3/16"	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	7/8"
4 x 4	171	222	269	314	393			
5 x 5	217	284	346	406	516			
6 x 2	171	222	269	314	393			
6 x 3	194	253	308	360	454			
6 x 4	217	284	346	406	516			
6 x 6	264	345	424	499	640	770		
7 x 5	264	345	424	499	640	770		
7 x 7	310	407	501	591	763			
8 x 4	264	345	424	499	640	770		
8 x 6	310	407	501	591	763			
8 x 8	356	469	578	684	887	1,078		
10 x 4	310	407	501	591	763			
10 x 6	356	469	578	684	887	1,078		
10 x 8	403	531	655	777	1,011	1,233		
10 x 10	449	592	733	870	1,134	1,388	1,624	
12 x 4	356	469	578	684	887	1,078		
12 x 6	403	531	655	777	1,011	1,233		
12 x 8	449	592	733	870	1,134	1,388	1,624	
12 x 12	542	716	887	1,055	1,381	1,697	1,992	
14 x 6	449	592	733	870	1,134	1,388	1,624	
14 x 10	542	716	887	1,055	1,381	1,697	1,992	
14 x 14			1,040	1,240	1,628	2,000	2,364	2,712
16 x 8	542	716	887	1,055	1,381	1,697	1,992	
16 x 12			1,040	1,240	1,628	2,000	2,364	2,712
16 x 16			1,196	1,426	1,876	2,308	2,732	3,144
18 x 18					2,120	2,616	3,104	3,576
20 x 12			1,196	1,426	1,876	2,308	2,732	3,144
20 x 20					2,364	2,924	3,472	4,000
22 x 22							3,844	4,440
24 x 12					2,120	2,616	3,104	3,576

Calidades Disponibles
Available Qualities



TRADE ACERO

PLACA

PLATE

**Peso en Kg por Pieza
(Weight Kg per Piece)**

Espesor Thickness Kg / m2	Inch mm	3/16" 4.8	1/4" 6.4	5/16" 7.9	3/8" 9.5	1/2" 12.7	5/8" 15.9	3/4" 19.1	7/8" 22.2	1" 25.4	1 1/4" 31.8	1 1/2" 38.1	1 3/4" 44.5	2" 50.8	2 1/4" 57.2	2 1/2" 63.6	2 3/4" 69.9	3" 76.2	3 1/4" 82.6	3 1/2" 89.0	4" 101.6
		37.68	50.24	62.01	74.58	99.70	124.82	149.94	174.27	199.39	249.63	299.08	349.33	398.78	449.02	498.48	548.72	598.17	648.41	697.87	797.56
Pies Feet	Metros Meters	3/16"	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	7/8"	1"	1 1/4"	1 1/2"	1 3/4"	2"	2 1/4"	2 1/2"	2 3/4"	3"	3 1/4"	3 1/2"	4"
6 x 20	1.83 x 6.10	420	561	694	833	1,113	1,393	1,674	1,945	2,226	2,787	3,339	3,900	4,452	5,013	5,565	6,126	6,678	7,239	7,791	8,904
6 x 30	1.83 x 9.15	630	842	1,041	1,250	1,670	2,090	2,511	2,918	3,339	4,181	5,009	5,850	6,678	7,520	8,348	9,189	10,017	10,859	11,687	
6 x 40	1.83 x 12.20	840	1,122	1,388	1,666	2,226	2,786	3,348	3,890	4,452	5,574	6,678	7,800	8,904	10,026	11,130	12,252	13,356	14,478	15,582	
8 x 16	2.44 x 4.88																				9,497
8 x 20	2.44 x 6.10	552	748	923	1,110	1,484	1,858	2,232	2,594	2,968	3,715	4,452	5,200	5,935	6,683	7,419	8,167	8,903	9,650	10,387	
8 x 30	2.44 x 9.15	828	1,122	1,385	1,665	2,226	2,787	3,348	3,891	4,452	5,573	6,678	7,800	8,903	10,025	11,129					
8 x 40	2.44 x 12.20	1,104	1,496	1,846	2,220	2,968	3,716	4,464	5,188	5,936	7,430	8,904	10,400	11,870							
10 x 20	3.05 x 6.10	690	935	1,154	1,388	1,855	2,323	2,790	3,243	3,710	4,644	5,565	6,500	7,419	8,354	9,274	10,209	11,129			
10 x 30	3.05 x 9.15	1,035	1,403	1,731	2,081	2,783	3,484	4,185	4,864	5,565	6,966	8,348	9,750	11,128							
10 x 40	3.05 x 12.20	1,380	1,870	2,308	2,775	3,710	4,645	5,580	6,485	7,420	9,288	11,130									

**Calidades Disponibles
Available Qualities**

ASTM A36
ASTM A572 Gr. 50, 60, 70
ASTM A709 Gr.50
ASTM A516 Gr. 50, 65, 70
ASTM A710
ASTM A656 Gr. 80
ASTM A514 Gr. B, F, H, Q

API 2H Gr. 50, 60
API 2W Gr. 50, 60
ABS AH36, DH36, EH36, EH40
ABS FH40, EQ47, EQ56, FQ70
DNV NV D36, NV E36, NV F40
DNV NV F500
AR400, AR500

Placas cortadas en largos especiales bajo requerimiento
Aceros Aprobados por Caterpillar
Medidas disponibles para grados ABS
Espesores mayores a 4" bajo requerimiento

TUBERÍA CON COSTURA

**ROLLED & WELDED PIPE
(ERW & DSAW)**

Peso de tubería en lbs/ft
Pipe weights lbs/ft

Diámetro exterior Outside diameter	Espesor de pared (pulgadas) Wall thickness (in)												
	1/4"	1/2"	3/4"	1"	1 1/4"	1 1/2"	1 3/4"	2"	2 1/4"	2 1/2"	2 3/4"	3"	
24"	63.47	125.61	186.41	245.87									
30"	79.51	157.68	234.51	310.01	384.18								
36"	95.54	189.75	282.62	374.15	464.35	553.21	640.74	726.93					
42"	111.58	221.82	330.73	438.30	544.53	649.43	752.99	855.21					
48"	127.61	253.89	378.83	502.44	624.71	745.64	865.23	983.49					
54"	143.65	285.96	426.94	566.58	704.88	841.85	977.48	1111.77	1244.73				
60"	159.68	318.03	475.04	630.72	785.06	938.06	1089.73	1240.06	1389.05	1536.71			
66"	175.72	350.10	523.15	694.86	865.23	1034.27	1201.97	1368.34	1533.37	1697.06	1859.42	2020.44	
72"	191.75	382.17	571.25	759.00	945.41	1130.48	1314.22	1496.62	1677.68	1857.41	2035.80	2212.86	
78"	207.79	414.24	619.36	823.14	1025.59	1226.69	1426.47	1624.90	1822.00	2017.76	2212.19	2405.28	
84"	223.82	446.31	667.47	887.28	1105.76	1322.91	1538.71	1753.18	1966.32	2178.12	2388.58	2597.70	
90"	239.86	478.38	715.57	951.42	1185.94	1419.12	1650.96	1881.46	2110.63	2338.47	2564.97	2790.13	
96"	255.90	510.45	763.68	1015.56	1266.11	1515.33	1763.21	2009.75	2254.95	2498.82	2741.35	2982.55	
108"	287.97	574.60	859.89	1143.85	1426.47	1707.75	1987.70	2266.31	2543.59	2819.52	3094.13	3367.39	

Calidades Disponibles
Available Qualities

ASTM A53 Gr. A, B
 ASTM A252 Gr. 2, 3
 ASTM A671 Gr. CC60, CC65, CC70
 ASTM A672 Gr. C60, C65, C70
 API 5L (PSL-1, PSL-2) Gr. X42, X52, X56, B
 API 5L (PSL-1, PSL-2) Gr. X60, X65, X70
 ASTM B619
 ASTM B705

ASTM A691 Gr. 1-1/4CR, 2-1/4CR, 5CR, 9CR, 91
 ASTM A672 Gr. C60, C70
 ASTM A790 Gr. UNS S31803/ S32205 Duplex
 API 2B Gr. X42, X52, X56, X60, X65, X70, X80
 AR 220, 240 Brinell
 ASTM B464
 ASTM B725
 ASTM A500 GR. B



TUBOS SIN COSTURA

SEAMLESS PIPE

Peso de tubería en lbs/ft
Pipe weights lbs/ft

Diámetro exterior Outside diameter	Espesor de pared (Ced.) Wall thickness (SCH)										
	10	20	30	40	60	XS	80	120	140	160	XXS
4"	5.613		8.666	10.79	12.66	14.98	14.98		19.01		22.51
5"	7.770			14.62		20.78	20.78		27.04		32.96
6"	9.289			18.97		28.57	28.57		36.39	45.30	53.16
8"	13.40	22.36	24.70	28.55	35.64	43.39	43.39	50.87	60.63	67.76	74.69
10"	18.65	28.04	34.24	40.48	54.74	54.74	64.33	76.93	89.2	104.1	115.7
12"	24.20	33.38	43.77	53.53	73.16	65.42	88.51	107.2	125.5	139.7	160.3
14"	36.71	45.68	54.57	63.67	84.91	72.09	106.1	130.7	150.7	170.2	189.1
16"	42.05	52.36	62.58	82.77	107.5	82.77	136.5	164.8	192.3	223.5	245.1
18"	47.39	59.03	82.06	104.8	138.2	93.45	170.8	208.0	244.1	274.2	308.5
20"	52.73	78.60	104.1	122.9	166.4	104.1	208.9	256.1	296.4	341.1	279.0
22"		86.61	114.8		197.4	114.8	250.8	302.9	353.6	403.0	451.1
24"	63.41	94.62	140.8	171.2	238.1	125.5	296.4	367.4	429.4	483.1	541.9
26"	85.60	136.2				136.2					

Calidades Disponibles
Available Qualities

ASTM A53 Gr. B
A STM A106 Gr. B, C
A PI 5L (PSL-1, PSL-2) Gr. X42, X52, X56, B
A PI 5L (PSL-1, PSL-2) Gr. X60, X65
A STM A790 Gr. UNS S31803/ S32205 Duplex
A STM B622
A STM B165
A STM B407

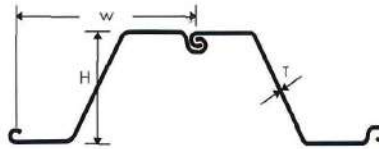
A STM A335 Gr. P1, P11, P22, P5, P9, P91
A STM A333 Gr. 1, 3, 6
A STM A312 TP304/L, TP304/H, TP316/L
A STM A312 TP321/H, TP347/H
A STM B729
A STM B161
A STM B167
A STM B423



TRADE ACERO

TABLA ESTACA FORMADA EN FRÍO

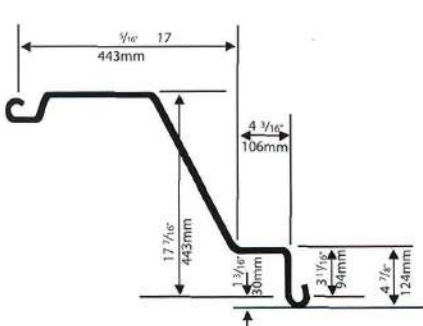
COLD FORMED SHEET PILE



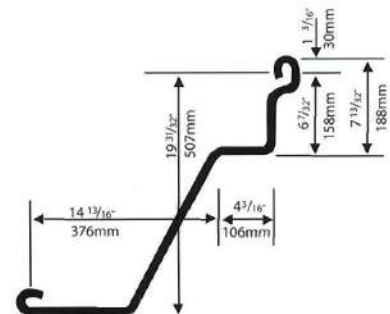
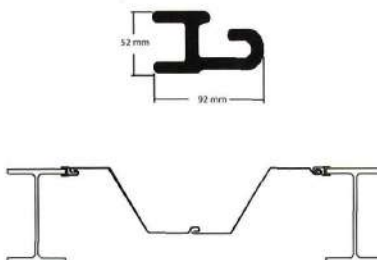
**Propiedades Físicas
Physical Properties**

Section	Thickness T in (mm)	Height H in (mm)	Width W in (mm)	Section Area in ² (mm ²)	Weight lbs/lin ft (kg/lin m)	Weight lbs/ft ² (kg/m ²)	Moment of Inertia in ⁴ /wall ft (in ⁴ / wall m)	Radius of Gyration in (mm)	Section Modulus in ³ /wall ft (cm ³ / wall m)
Z55	0.217 (5.50)	8.64 (219)	24.0 (610)	7.57 (48.8)	25.8 (38.4)	12.9 (63.0)	49.7 (6790)	3.61 (91.7)	11.4 (613)
Z60	0.236 (6.00)	8.66 (220)	24.0 (610)	8.26 (53.3)	28.2 (42.0)	14.1 (68.8)	54.2 (7400)	3.62 (91.9)	12.4 (667)
Z65	0.256 (6.50)	8.68 (220)	24.0 (610)	8.95 (57.7)	30.6 (45.5)	15.3 (74.7)	58.7 (8010)	3.62 (91.9)	13.4 (720)
Z70	0.276 (7.00)	8.70 (221)	24.0 (610)	9.64 (62.2)	33.0 (49.1)	16.5 (80.6)	63.2 (8630)	3.62 (91.9)	14.4 (774)
Z75	0.295 (7.50)	8.72 (221)	24.0 (610)	10.3 (66.5)	35.2 (52.4)	17.6 (85.9)	67.7 (9250)	3.63 (92.2)	15.6 (839)
XZ85	0.335 (8.50)	14.06 (357)	25.0 (635)	13.6 (87.9)	46.4 (69.0)	22.3 (109)	212 (29000)	5.70 (145)	30.2 (1630)
XZ90	0.354 (9.00)	14.09 (358)	25.0 (635)	14.4 (93.0)	48.9 (72.7)	23.5 (115)	225 (30800)	5.70 (145)	31.8 (1710)
XZ95	0.375 (9.50)	14.12 (359)	25.0 (635)	15.2 (98.2)	51.7 (76.9)	24.8 (121)	237 (32400)	5.70 (145)	33.5 (1800)
XZ100	0.394 (10.0)	14.15 (360)	25.0 (635)	15.9 (103.0)	54.2 (80.7)	26.0 (127)	250 (34200)	5.70 (145)	35.3 (1900)
XZ105	0.413 (10.5)	14.17 (360)	25.0 (635)	16.7 (108.0)	56.9 (84.7)	27.3 (133)	263 (35900)	5.70 (145)	37.1 (2000)
JZ112	0.441 (11.2)	16.44 (418)	26.5 (673)	20.1 (129.7)	68.2 (101)	30.9 (151)	374 (51100)	6.41 (163)	45.3 (2430)
JZ120	0.472 (12.0)	16.47 (418)	26.5 (673)	21.5 (138.7)	73.0 (109)	33.0 (161)	401 (54700)	6.41 (163)	48.5 (2610)
JZ127	0.500 (12.7)	16.50 (419)	26.5 (673)	22.7 (146.5)	77.3 (115)	35.0 (171)	424 (57900)	6.41 (163)	51.4 (2760)

**Esquineros y Conectores
Corners & Connectors**



**LEFT HAND
CORNER**

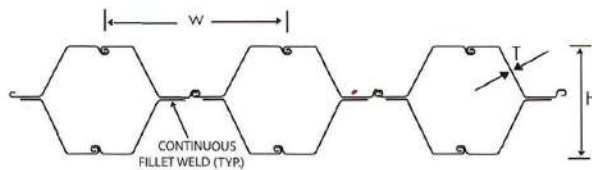


**RIGHT HAND
CORNER**



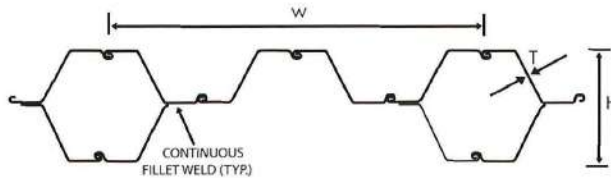
CAJONES TABLAESTACA **BOXES**

TYPE I - CONTINUOUS BOX



Section	Thickness T in (mm)	Height H in (mm)	Width W in (mm)	Section Area in ² (mm ²)	Weight lbs/lin ft (kg/lin m)	Weight lbs/ft ² (kg/m ²)	Moment of Inertia in ⁴ /wall ft (in ⁴ / wall m)	Radius of Gyration in (mm)	Section Modulus in ³ /wall ft (cm ³ / wall m)
JZ112 BX	0.441 (11.2)	32.88 (835)	53.0 (1346)	70.8 (457)	240.9 (358.5)	54.5 (586)	1983 (270700)	11.12 (282)	119.2 (6410)
JZ120 BX	0.472 (12.0)	32.94 (837)	53.0 (1346)	75.8 (489)	257.9 (383.9)	58.4 (628)	2125 (290100)	11.13 (283)	127.7 (6860)

TYPE II - ALTERNATING BOX



Section	Thickness T in (mm)	Height H in (mm)	Width W in (mm)	Section Area in ² (mm ²)	Weight lbs/lin ft (kg/lin m)	Weight lbs/ft ² (kg/m ²)	Moment of Inertia in ⁴ /wall ft (in ⁴ / wall m)	Radius of Gyration in (mm)	Section Modulus in ³ /wall ft (cm ³ / wall m)
JZ112 BX.5	0.441 (11.2)	32.88 (835)	53.0 (1346)	70.8 (457)	240.9 (358.5)	54.5 (586)	1983 (270700)	11.12 (282)	119.2 (6410)
JZ120 BX.5	0.472 (12.0)	32.94 (837)	53.0 (1346)	75.8 (489)	257.9 (383.9)	58.4 (628)	2125 (290100)	11.13 (283)	127.7 (6860)

Calidades Disponibles Available Qualities					
Americana American			Europea European		
ASTM	Yield Strength		EN 10248	Yield Strength	
	KSI	Mpa		KSI	Mpa
A 572 Gr. 50	50	345	S 320 GP	46	320
A 572 Gr. 55	55	380	S 355 GP	51	355
A 572 Gr. 60	60	415	S 390 GP	57	390
A 572 Gr. 65	65	450	S 430 GP	62	430

Roll Form Group produce las tablestacas que ofrecemos cuyos procesos de calidad están certificados bajo ISO 9001:2000 y son fabricadas bajo la Normas ASTM 328 y ASTM A6.



TRADE ACERO

**TABLESTACA ROLADA
EN CALIENTE**

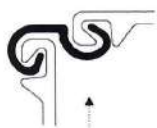
**HOT ROLLED
SHEET PILE**

Propiedades Físicas
Physical Properties

Section	System Width b	Wall Height h	Flange Thickness t	Web Thickness s	Mass		Section Modulus W _y		Moment of Inertia I _y
					Wall G	single pile	Wall	single pile	Wall
	mm	mm	mm	mm	kg/m ²	kg/m	cm ³ /m	cm ³	Wall
1707	700	420	8,7	8,5	104,6	73,2	1735	1215	36435
1807	700	420	9,2	9,0	109,3	76,5	1800	1260	37800
1907	700	420	9,7	9,5	113,9	79,7	1865	1306	39165
2007	700	420	10,3	10,1	119,4	83,6	1945	1362	40845
2407	700	440	11,0	11,0	136,7	95,7	2450	1715	53000
2507	700	440	11,5	11,5	141,4	99,0	2525	1768	55550
2607	700	440	12,0	12,0	146,2	102,3	2600	1820	57200
2707	700	440	12,7	12,7	153,0	107,1	2705	1894	59520
2807	700	440	13,1	13,1	156,7	109,7	2765	1936	60830
3607	700	500	16,8	10,8	167,7	117,4	3595	2517	89875
3707	700	500	17,4	11,4	173,7	121,6	3696	2587	92400
3807	700	500	18,0	12,0	179,8	125,9	3800	2660	95000
3907	700	500	18,7	12,7	186,8	130,8	3925	2745	98000



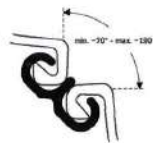
Esquineros y Conectores
Corner & Connectors



V20



C8



OMEGA12



PLZ I / PLZ II



TRADE ACERO

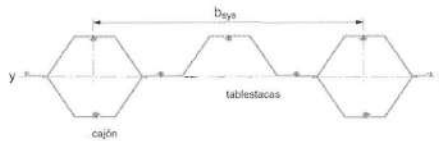
CAJONES BOXES

TYPE I-CONTINUOUS BOX



Section	Thickness T (mm)	Height H (mm)	Width W (mm)	Section Area	Weight (kg/lin m)	Weight (kg/m ²)	Moment of Inertia (ft (in ⁴ / wall m)	Radius of Gyration (mm)	Section Modulus (cm ³ / wall m)
11907 BX	0.375(9.5)	28.24(718)	50 (1270)	60.8(392.8)	206.8 (307)	49.6 (242)	1200(164454)	9.89(251)	86(4580)
12607 BX	12.0	880	1400	521	409	292.3	2125(290100)	11.13(283)	130(6925)

TYPE II- ALTERNATING BOX



Section	Thickness T in (mm)	Height H in (mm)	Width W in (mm)	Section Area in ² (mm ²)	Weight lbs/lin ft (kg/lin m)	Weight lbs/ft ² (kg/m ²)	Moment of Inertia in ⁴ /wall ft (in ⁴ / wall m)	Radius of Gyration in (mm)	Section Modulus in ³ /wall ft (cm ³ / wall m)
---------	---------------------	------------------	-----------------	---	------------------------------	---	---	----------------------------	---

Calidades Disponibles Available Qualities					
Americana American			Europea European		
ASTM	Yield Strength		EN 10248	Yield Strength	
	KSI	Mpa		KSI	Mpa
A 572 Gr. 50	50	345	S 320 GP	46	320
A 572 Gr. 55	55	380	S 355 GP	51	355
A 572 Gr. 60	60	415	S 390 GP	57	390
A 572 Gr. 65	65	450	S 430 GP	62	430

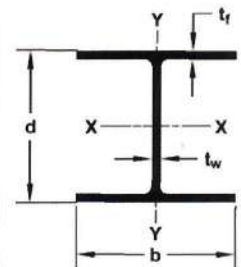
Calidades Disponibles Available Qualities

ASTM A572 Gr. 50

H- PILE

Sección Section In x lb/ft	Peso Weight Kg/m	Área Area cm ²	Alto Depth mm	Ancho Width mm	Esp. Patín Flange T. mm	Esp. Alma Web T. mm	A. de Contacto Coating Area m ² /m	Eje X-X / Axis X-X			Eje Y-Y/ Axis Y-Y		
								I cm ⁴	S cm ³	r cm	I cm ⁴	S cm ³	r cm
8 x 36	54	68.4	204	207	11.3	11.3	1.19	4,950	487	8.53	1,680	162	4.60
10 x 42	63	80	246	256	10.7	10.5	1.47	8,740	711	10.50	2,980	233	6.12
10 x 57	85	108	254	260	14.4	14.4	1.50	12,200	969	10.60	4,200	323	6.22
12 x 53	79	100	299	306	11.0	11.0	1.77	16,400	1090	12.80	5,290	346	7.26
12 x 63	94	119	303	308	13.1	13.1	1.79	19,600	1290	12.90	6,370	415	7.32
12 x 74	110	141	308	310	15.5	15.4	1.80	23,700	1530	13.00	7,740	498	7.42
12 x 84	125	159	312	312	17.4	17.4	1.82	27,100	1730	13.10	8,870	567	7.47
14 x 73	109	138	346	370	12.8	12.8	2.12	30,300	1770	14.80	10,900	587	8.86
14 x 89	132	168	351	373	15.6	15.6	2.14	37,600	2150	14.90	13,600	726	8.97
14 x 102	152	194	356	376	17.9	17.9	2.15	43,700	2480	15.00	15,800	842	9.04
14 x 117	174	222	361	378	20.4	20.4	2.17	50,800	2830	15.10	18,400	975	9.12
16 x 88	131	167	389	398	13.7	13.7	2.59	46,295	2378	16.70	14,425	725	9.31
16 x 101	151	192	394	400	15.9	15.9	2.30	53,978	2742	16.80	16,971	848	9.40
16 x 121	181	230	400	403	19.1	19.1	2.32	65,675	3283	16.90	20,859	1035	9.52
16 x 141	211	269	406	406	22.2	22.2	2.34	77,859	3832	17.00	24,923	1227	9.63
16 x 162	242	308	413	410	25.4	25.4	2.36	90,542	4387	17.20	29,167	1424	9.74
16 x 183	272	347	419	413	28.6	28.6	2.38	103,738	4951	17.30	33,595	1628	9.84
18 x 135	202	257	445	451	19.1	19.1	2.60	91,423	4114	18.90	29,143	1293	10.70
18 x 157	234	298	451	454	22.1	22.1	2.62	107,516	4772	19.00	34,512	1521	10.80
18 x 181	269	343	457	457	25.4	25.4	2.64	125,579	5493	19.10	40,545	1774	10.90
18 x 204	304	387	464	460	28.6	28.6	2.66	143,598	6196	19.30	46,585	2024	11.80

Calidades Disponibles Available Qualities					
Americana American			Europea European		
ASTM	Yield Strength		EN 102448	Yield Strength	
	KSI	Mpa.		KSI	Mpa.
A 572 Gr. 50	50	345	S 320 GP	46	320
A 572 Gr. 55	55	380	S 355 GP	51	355
A 572 Gr. 60	60	415	S 390 GP	57	390
A 572 Gr. 65	65	450	S 430 GP	62	430



KING PILE

Sección Section	Módulo de Sección Section Modulus		Momento de Inercia Moment of Intertia		Peso Weight Kg/m	Ancho Width b0 mm	Dist. A la fibra ext. Dist. From extr. Fiber e1 cm	A. Sec. Transversal Cross Sectional Area		Radio de Giro Radius of Gyration	
	Wy cm ³	Wz cm ³	Iy cm ⁴	Iz cm ⁴				Acero cm ²	Perímetro cm ²	iy cm	iz cm
370	2,290	800	42,280	15,200	122	380	18.5	155	1,421	16.5	9.9
400	2,530	801	50,470	15,210	127	380	20.0	162	1,535	17.6	9.7
500	3,280	801	81,950	15,220	136	380	25.0	173	1,915	21.8	9.4
600	5,280	1,169	158,230	26,890	188	460	30.0	239	2,778	25.7	10.6
606	5,850	1,262	177,170	29,040	204	460	30.3	260	2,806	26.1	10.6
700	6,360	1,169	222,350	26,890	199	460	35.0	253	3,238	29.6	10.3
706	7,030	1,262	248,090	29,040	215	460	35.3	274	3,266	30.1	10.3
800	7,980	1,216	319,200	27,980	221	460	40.0	281	3,698	33.7	10.0
806	8,760	1,310	352,790	30,130	237	460	40.3	302	3,726	34.2	10.0
900	9,230	1,216	414,960	27,980	232	460	45.0	295	4,158	37.5	9.7
906	10,100	1,310	457,440	30,130	248	460	45.3	316	4,186	38.1	9.8
1000	10,510	1,216	525,480	27,980	243	460	50.0	309	4,618	41.2	9.5
1006	11,490	1,310	577,880	30,130	259	460	50.3	330	4,646	41.9	9.6
1001	11,920	1,317	595,590	30,310	267	460	50.0	340	4,618	41.9	9.4
1013	12,530	1,369	628,540	31,500	277	460	50.2	353	4,637	42.2	9.4
1016	12,890	1,411	647,990	32,450	283	460	50.3	361	4,646	42.4	9.5
1016 S	13,880	1,509	701,910	34,720	300	460	50.6	382	4,674	42.9	9.5
1017	14,710	1,593	747,730	36,630	314	460	50.9	400	4,697	43.2	9.6
1030	15,820	1,596	814,490	36,720	351	460	51.5	447	4,756	42.7	9.1
1035 S	16,660	1,680	861,960	38,640	365	460	51.8	464	4,779	43.1	9.1

Form 10

