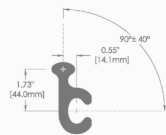


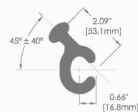
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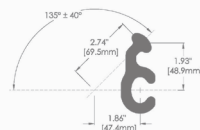
PilePro® Sheet Pile Connectors



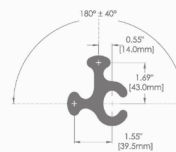
PZ 90



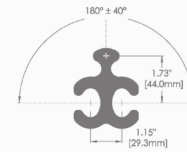
Colt



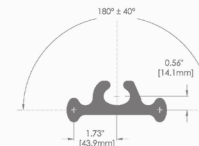
Cobra



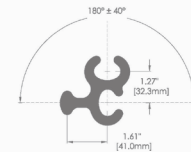
PZ Tee



Joker



Bullhead



PZT-S

Sheet Pile LLC is the owner and assignee of US 7,390,145, related to these connectors.



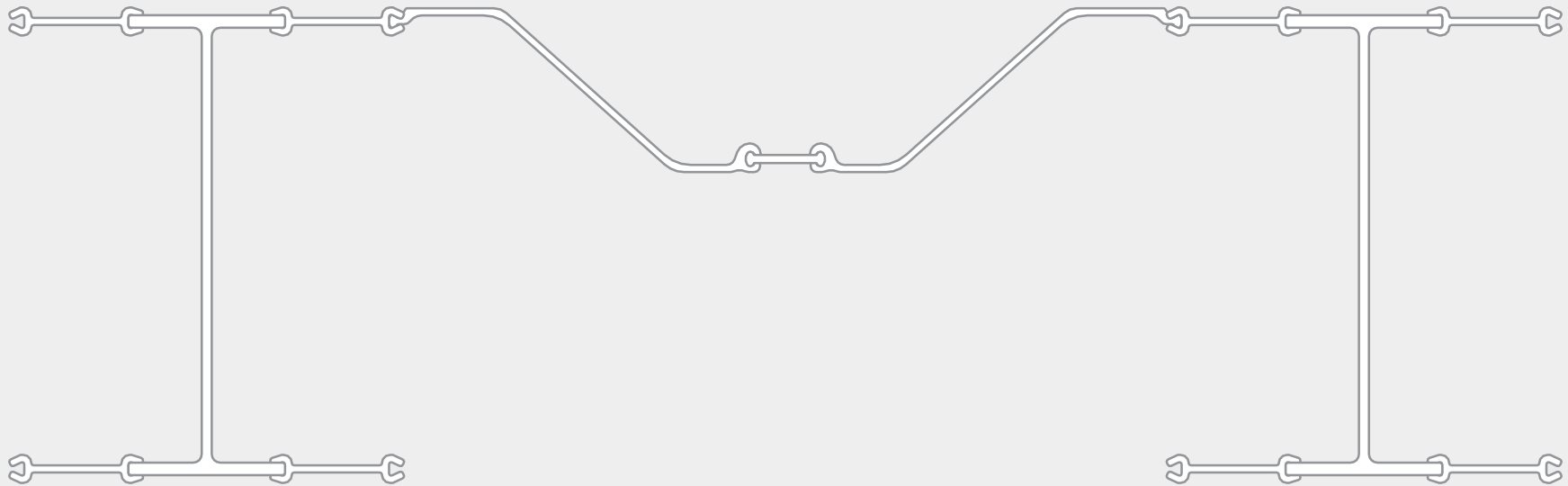
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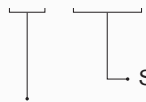


Configuration A1 (PZC 13)



SECTION NAME:

79 - 2045



Section width in mm

Section modulus (elastic) in $\text{cm}^3/\text{m} \div 100$

These are examples from a large variety of possible IZ[®] solutions.

Please configure your own system on sheet-pile.com/iz

*WOF[®] and WOM[®] are available in a wide range of sizes — 100% melted and manufactured in the USA and BABA 2021 compliant.
Sheet Pile LLC is the owner and assignee of numerous patents and IP, that may be related to this sheet pile solution.*



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Section	Solution Type	Section Modulus	Width	Weight at Ratio			Moment of Inertia	Coating Area	Diameter	Configuration
				60%	80%	100%				
		in³/ft (cm³/m)	in (mm)	lb/ft² (kg/m²)	lb/ft² (kg/m²)	lb/ft² (kg/m²)	in⁴/ft (cm⁴/m)	ft²/ft (m²/m)	in (mm)	
27-2254	IZ®	50.2	88.7	23.7	28.8	34	345.1	26.1	W14X61	A1 (PZC 13)
		2701.2	2254	115.7	140.8	165.9	47126.7	7.95	W360X91	
28-2140	IZ®	51.4	84.3	20.7	26.1	31.5	377.4	24.95	W16X31	A1 (PZC 13)
		2761.2	2140	100.9	127.4	153.8	51535.6	7.6	W410X46.1	
28-2177	IZ®	51.8	85.7	21	26.3	31.7	381.5	25.44	W16X36	A1 (PZC 13)
		2786.3	2177	102.6	128.6	154.6	52093	7.75	W410X53	
28-2309	IZ®	52	90.9	27.7	32.8	37.8	338.8	26.59	W12X96	A1 (PZC 13)
		2795.1	2309	135.4	159.9	184.4	46269.6	8.1	W310X143	
28-2255	IZ®	52	88.8	24.6	29.8	34.9	359.9	26.13	W14X68	A1 (PZC 13)
		2797.6	2255	120.2	145.3	170.4	49142.2	7.96	W360X101	
28-2375	IZ®	52.5	93.5	26	30.9	35.8	359.5	27.64	HP14x89	A1 (PZC 13)
		2822.8	2374.6	127.2	151	174.8	49096.3	8.42	HP360x132	
29-2178	IZ®	53.4	85.7	21.6	26.9	32.2	395.6	25.47	W16X40	A1 (PZC 13)
		2869.8	2178	105.3	131.3	157.3	54026.8	7.76	W410X60	
29-2256	IZ®	53.5	88.8	25.5	30.6	35.7	372.1	26.16	W14X74	A1 (PZC 13)
		2877.7	2256	124.3	149.4	174.5	50819.9	7.97	W360X110	
29-2310	IZ®	54	90.9	29	34.1	39.1	354.6	26.62	W12X106	A1 (PZC 13)
		2905.9	2310	141.8	166.3	190.8	48426.2	8.11	W310X158	
29-2369	IZ®	54.6	93.3	26.3	31.2	36.1	377.3	27.64	W14X90	A1 (PZC 13)
		2934	2369	128.3	152.2	176.1	51516.8	8.42	W360X134	
29-2179	IZ®	54.8	85.8	22.3	27.6	32.9	408.4	25.51	W16X45	A1 (PZC 13)
		2944.8	2179	108.8	134.7	160.7	55768.2	7.77	W410X67	
30-2257	IZ®	55.3	88.9	26.4	31.6	36.7	386.4	26.2	W14X82	A1 (PZC 13)
		2971.5	2257	129.1	154.2	179.3	52768	7.98	W360X122	
30-2375	IZ®	55.3	93.5	27.8	32.7	37.6	382.5	27.64	HP14x102	A1 (PZC 13)
		2975.3	2374.6	135.7	159.5	183.4	52234.7	8.42	HP360x152	
30-2180	IZ®	56.2	85.8	23	28.3	33.6	421.8	25.54	W16X50	A1 (PZC 13)
		3023.8	2180	112.1	138.1	164.1	57606.5	7.78	W410X75	

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				60%	80%	100%				
		in³/ft (cm³/m)	in (mm)	lb/ft² (kg/m²)	lb/ft² (kg/m²)	lb/ft² (kg/m²)	in⁴/ft (cm⁴/m)	ft²/ft (m²/m)	in (mm)	
31-2370	IZ®	56.7	93.3	27.4	32.3	37.2	394.7	27.67	W14X99	A1 (PZC 13)
		3047.4	2370	133.9	157.8	181.7	53905	8.43	W360X147	
31-2313	IZ®	56.9	91.1	30.9	35.9	40.9	377.1	26.69	W12X120	A1 (PZC 13)
		3057	2313	150.8	175.3	199.7	51489.6	8.13	W310X179	
31-2398	IZ®	57	94.4	25.7	30.5	35.3	416.3	28.2	HP16x88	A1 (PZC 13)
		3066.1	2398.5	125.3	148.9	172.5	56845.2	8.59	HP410x131	
31-2152	IZ®	57.8	84.7	21.1	26.5	31.9	452.6	25.41	W18X35	A1 (PZC 13)
		3108.7	2152	103.1	129.4	155.7	61804.8	7.74	W460X52	
31-2181	IZ®	58.2	85.9	23.9	29.2	34.5	440.3	25.57	W16X57	A1 (PZC 13)
		3130.5	2181	116.7	142.7	168.6	60120.9	7.79	W410X85	
31-2378	IZ®	58.5	93.6	29.6	34.5	39.4	408.1	27.7	HP14x117	A1 (PZC 13)
		3144.9	2377.8	144.7	168.5	192.3	55734.5	8.44	HP360x174	
32-2371	IZ®	59.1	93.3	28.7	33.6	38.5	414.8	27.7	W14X109	A1 (PZC 13)
		3177.4	2371	140.1	164	187.9	56638.7	8.44	W360X162	
32-2260	IZ®	59.7	89	24.6	29.7	34.8	451.6	26.59	W16X67	A1 (PZC 13)
		3208.7	2260	119.9	145	170	61667.1	8.1	W410X100	
32-2153	IZ®	60	84.8	21.8	27.2	32.6	474	25.47	W18X40	A1 (PZC 13)
		3225.5	2153	106.5	132.8	159.1	64728.2	7.76	W460X60	
32-2315	IZ®	60.3	91.1	32.9	37.9	43	405.8	26.75	W12X136	A1 (PZC 13)
		3240.9	2315	160.8	185.3	209.7	55412.5	8.15	W310X202	
33-2400	IZ®	60.4	94.5	27.4	32.2	37.1	445.2	28.26	HP16x101	A1 (PZC 13)
		3246.5	2400	133.8	157.4	181	60791.1	8.61	HP410x151	
33-2373	IZ®	61.6	93.4	30.1	35	39.9	435.6	27.74	W14X120	A1 (PZC 13)
		3310.6	2373	147	170.8	194.7	59481.9	8.45	W360X179	
33-2154	IZ®	61.9	84.8	22.7	28	33.4	493.5	25.51	W18X46	A1 (PZC 13)
		3329.4	2154	110.6	136.9	163.2	67392.2	7.77	W460X68	
33-2190	IZ®	62.2	86.2	22.8	28.1	33.4	495.2	25.97	W18X50	A1 (PZC 13)
		3342.6	2190	111.4	137.3	163.1	67625.4	7.91	W460X74	

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				60%	80%	100%				
		in³/ft (cm³/m)	in (mm)	lb/ft² (kg/m²)	lb/ft² (kg/m²)	lb/ft² (kg/m²)	in⁴/ft (cm⁴/m)	ft²/ft (m²/m)	in (mm)	
34-2261	IZ®	62.5	89	25.9	31	36.2	478.1	26.62	W16X77	A1 (PZC 13)
		3361.2	2261	126.5	151.5	176.5	65282.1	8.11	W410X114	
34-2191	IZ®	63.8	86.3	23.6	28.9	34.2	512	25.97	W18X55	A1 (PZC 13)
		3432.3	2191	115.1	140.9	166.8	69921.9	7.91	W460X82	
34-2317	IZ®	63.9	91.2	35.1	40.1	45.1	435.8	26.82	W12X152	A1 (PZC 13)
		3433.7	2317	171.2	195.6	220	59512.9	8.17	W310X226	
35-2374	IZ®	64.3	93.5	31.6	36.5	41.3	458.8	27.77	W14X132	A1 (PZC 13)
		3458.8	2374	154.2	178	201.9	62652.2	8.46	W360X196	
35-2403	IZ®	65.2	94.6	29.9	34.7	39.6	489.3	28.33	HP16x121	A1 (PZC 13)
		3507	2403.2	146.1	169.6	193.2	66817.1	8.63	HP410x181	
35-2192	IZ®	65.5	86.3	24.2	29.5	34.8	528.9	26	W18X60	A1 (PZC 13)
		3522	2192	118.3	144.1	169.9	72219.2	7.92	W460X89	
35-2263	IZ®	65.9	89.1	27.5	32.6	37.8	509.3	26.69	W16X89	A1 (PZC 13)
		3540.9	2263	134.3	159.4	184.4	69549.9	8.13	W410X132	
36-2394	IZ®	67	94.3	33	37.8	42.7	480.7	28.03	W14X145	A1 (PZC 13)
		3600.1	2394	161.1	184.7	208.4	65641.1	8.54	W360X216	
36-2193	IZ®	67.1	86.3	24.9	30.2	35.4	545.4	26.03	W18X65	A1 (PZC 13)
		3608.5	2193	121.5	147.3	173.1	74476.1	7.93	W460X97	
37-2319	IZ®	67.8	91.3	37.4	42.4	47.4	470.3	26.88	W12X170	A1 (PZC 13)
		3646.9	2319	182.6	207	231.4	64230.4	8.19	W310X253	
37-2280	IZ®	68.3	89.8	25.4	30.5	35.6	556	27.15	W18X76	A1 (PZC 13)
		3674.4	2280	124	148.9	173.7	75921.9	8.27	W460X113	
37-2194	IZ®	68.9	86.4	25.7	31	36.3	563.7	26.06	W18X71	A1 (PZC 13)
		3702.6	2194	125.7	151.5	177.3	76975.9	7.94	W460X106	
37-2265	IZ®	69.2	89.2	29	34.1	39.2	541.5	26.72	W16X100	A1 (PZC 13)
		3718.3	2265	141.5	166.5	191.5	73950.6	8.14	W410X149	
38-2406	IZ®	69.8	94.7	32.4	37.2	42.1	529.5	28.36	HP16x141	A1 (PZC 13)
		3753.4	2406.4	158.3	181.8	205.4	72305.1	8.64	HP410x211	

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				60%	80%	100%				
		in³/ft (cm³/m)	in (mm)	lb/ft² (kg/m²)	lb/ft² (kg/m²)	lb/ft² (kg/m²)	in⁴/ft (cm⁴/m)	ft²/ft (m²/m)	in (mm)	
38-2395	IZ®	70.2	94.3	34.8	39.6	44.5	509.4	28.07	W14X159	A1 (PZC 13)
		3775.2	2395	169.9	193.5	217.1	69556.5	8.55	W360X237	
38-2165	IZ®	70.6	85.2	22.3	27.6	33	610.2	26.06	W21X44	A1 (PZC 13)
		3795.1	2165	108.8	134.9	161.1	83323.7	7.94	W530X66	
38-2207	IZ®	70.8	86.9	22.4	27.7	32.9	613.3	26.62	W21X48	A1 (PZC 13)
		3806.8	2207	109.4	135	160.7	83750.4	8.11	W530X72	
38-2282	IZ®	71.5	89.8	26.7	31.8	36.9	587.3	27.21	W18X86	A1 (PZC 13)
		3842.4	2282	130.5	155.3	180.1	80199.3	8.29	W460X128	
39-2322	IZ®	72.2	91.4	39.9	44.9	49.9	509.9	26.95	W12X190	A1 (PZC 13)
		3881.6	2322	194.8	219.2	243.6	69636.5	8.21	W310X283	
39-2166	IZ®	73	85.3	23.1	28.5	33.8	637.3	26.1	W21X50	A1 (PZC 13)
		3925.5	2166	112.8	138.9	165	87023.3	7.95	W530X74	
40-2209	IZ®	73.8	87	23.4	28.6	33.9	645.7	26.65	W21X55	A1 (PZC 13)
		3965.6	2209	114.2	139.8	165.4	88171.5	8.12	W530X82	
40-2398	IZ®	74.1	94.4	36.9	41.7	46.6	545.7	28.13	W14X176	A1 (PZC 13)
		3986.4	2398	180.1	203.7	227.3	74526.4	8.57	W360X262	
40-2451	IZ®	74.7	96.5	31.1	35.8	40.5	603.8	29.21	HP18x135	A1 (PZC 13)
		4017.1	2450.8	151.7	174.8	197.9	82450.9	8.9	HP360x202	
40-2410	IZ®	74.9	94.9	35	39.8	44.6	577.6	28.46	HP16x162	A1 (PZC 13)
		4027.5	2409.6	170.7	194.2	217.7	78877	8.67	HP410x242	
40-2283	IZ®	75	89.9	28.2	33.3	38.3	623.6	27.25	W18X97	A1 (PZC 13)
		4031.6	2283	137.6	162.4	187.2	85153	8.3	W460X144	
41-2166	IZ®	76.2	85.3	24.1	29.4	34.8	674	26.13	W21X57	A1 (PZC 13)
		4099.4	2166	117.5	143.7	169.8	92046.7	7.96	W530X85	
41-2325	IZ®	76.6	91.5	42.5	47.5	52.5	551.1	27.05	W12X210	A1 (PZC 13)
		4116.5	2325	207.7	232.1	256.4	75255.2	8.24	W310X313	
41-2209	IZ®	76.9	87	24.3	29.6	34.8	680.7	26.69	W21X62	A1 (PZC 13)
		4133.5	2209	118.8	144.4	170	92951.2	8.13	W530X92	

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				60%	80%	100%				
		in³/ft (cm³/m)	in (mm)	lb/ft² (kg/m²)	lb/ft² (kg/m²)	lb/ft² (kg/m²)	in⁴/ft (cm⁴/m)	ft²/ft (m²/m)	in (mm)	
42-2284	IZ®	77.6	89.9	29.4	34.5	39.5	651.4	27.28	W18X106	A1 (PZC 13)
		4172	2284	143.4	168.2	193	88953.4	8.31	W460X158	
42-2399	IZ®	78.4	94.4	39	43.9	48.7	584.5	28.2	W14X193	A1 (PZC 13)
		4215	2399	190.5	214.1	237.7	79820.3	8.59	W360X287	
43-2210	IZ®	79.3	87	25.1	30.4	35.6	708.7	26.72	W21X68	A1 (PZC 13)
		4264.3	2210	122.6	148.3	173.9	96777.6	8.14	W530X101	
43-2419	IZ®	79.5	95.2	37.6	42.4	47.2	621.5	28.59	HP16x183	A1 (PZC 13)
		4276.5	2419.1	183.4	206.8	230.2	84872.6	8.71	HP410x272	
43-2454	IZ®	80	96.6	33.7	38.4	43.1	655.5	29.28	HP18x157	A1 (PZC 13)
		4303	2454	164.5	187.6	210.7	89511.4	8.92	HP360x234	
44-2211	IZ®	81.1	87	25.8	31.1	36.3	728.9	26.75	W21X73	A1 (PZC 13)
		4359.1	2211	126.1	151.7	177.3	99543.6	8.15	W530X109	
44-2328	IZ®	81.3	91.7	45.1	50.1	55.1	595	27.11	W12X230	A1 (PZC 13)
		4369.4	2328	220.3	244.6	268.9	81251.6	8.26	W310X342	
44-2286	IZ®	81.9	90	31.1	36.2	41.2	696.8	27.31	W18X119	A1 (PZC 13)
		4401.3	2286	151.9	176.6	201.4	95152.5	8.32	W460X177	
44-2401	IZ®	82.7	94.5	41.3	46.1	50.9	624.4	28.23	W14X211	A1 (PZC 13)
		4444.2	2401	201.5	225.1	248.6	85266.6	8.6	W360X314	
46-2212	IZ®	84.6	87.1	27.1	32.4	37.6	770.1	26.79	W21X83	A1 (PZC 13)
		4547.4	2212	132.5	158.1	183.6	105168.2	8.16	W530X123	
46-2178	IZ®	85.7	85.7	23.7	29	34.4	815.9	26.72	W24X55	A1 (PZC 13)
		4608	2178	115.8	141.8	167.8	111413.2	8.14	W610X82	
46-2330	IZ®	85.9	91.7	47.9	52.9	57.9	641.4	27.18	W12X252	A1 (PZC 13)
		4620.1	2330	233.9	258.2	282.5	87585.6	8.28	W310X375	
46-2283	IZ®	86.1	89.9	32.6	37.7	42.8	743.4	27.34	W18X130	A1 (PZC 13)
		4628.6	2283	159.3	184.1	208.9	101521.5	8.33	W460X193	
47-2457	IZ®	86.5	96.7	36.6	41.3	46	720.2	29.35	HP18x181	A1 (PZC 13)
		4650.1	2457.2	178.7	201.8	224.8	98345.5	8.94	HP360x269	

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Section	Solution Type	Section Modulus	Width	Weight at Ratio			Moment of Inertia	Coating Area	Diameter	Configuration
				60%	80%	100%				
		in³/ft (cm³/m)	in (mm)	lb/ft² (kg/m²)	lb/ft² (kg/m²)	lb/ft² (kg/m²)	in⁴/ft (cm⁴/m)	ft²/ft (m²/m)	in (mm)	
47-2404	IZ®	87.8	94.6	44	48.8	53.7	674.8	28.33	W14X233	A1 (PZC 13)
		4720.7	2404	215	238.5	262	92151.8	8.63	W360X347	
47-2214	IZ®	88.1	87.2	28.5	33.7	39	812.1	26.82	W21X93	A1 (PZC 13)
		4734.6	2214	139.1	164.7	190.2	110900	8.17	W530X138	
48-2312	IZ®	88.6	91	28.4	33.4	38.4	815.1	28.1	W21X101	A1 (PZC 13)
		4766	2312	138.6	163.1	187.6	111305.5	8.56	W530X150	
48-2179	IZ®	88.7	85.8	24.7	30	35.3	853.9	26.75	W24X62	A1 (PZC 13)
		4769.8	2179	120.4	146.4	172.4	116607.6	8.15	W610X92	
49-2228	IZ®	90.2	87.7	24.9	30.1	35.3	872.4	27.41	W24X68	A1 (PZC 13)
		4847.8	2228	121.7	147.1	172.5	119137.2	8.35	W610X101	
49-2285	IZ®	90.4	90	34.3	39.4	44.4	790.8	27.38	W18X143	A1 (PZC 13)
		4858	2285	167.4	192.2	216.9	107989.8	8.34	W460X213	
49-2313	IZ®	91.8	91.1	29.7	34.7	39.7	852.4	28.13	W21X111	A1 (PZC 13)
		4937.3	2313	145	169.5	194	116397.7	8.57	W530X165	
50-2334	IZ®	92.3	91.9	51.3	56.2	61.2	706.5	27.28	W12X279	A1 (PZC 13)
		4960.6	2334	250.3	274.6	298.8	96476.1	8.31	W310X415	
50-2460	IZ®	92.7	96.9	39.5	44.2	48.9	786.6	29.41	HP18x204	A1 (PZC 13)
		4984.7	2460.4	192.9	215.9	238.9	107420.2	8.96	HP460x304	
50-2406	IZ®	93.5	94.7	47.1	51.9	56.7	733	28.39	W14X257	A1 (PZC 13)
		5028.7	2406	229.8	253.3	276.8	100092.1	8.65	W360X382	
51-2228	IZ®	94	87.7	26	31.2	36.4	921.1	27.44	W24X76	A1 (PZC 13)
		5054.5	2228	126.9	152.3	177.7	125790.9	8.36	W610X113	
51-2287	IZ®	94.8	90	36.2	41.3	46.4	841.6	27.44	W18X158	A1 (PZC 13)
		5098.5	2287	176.9	201.6	226.4	114923.5	8.36	W460X235	
52-2315	IZ®	95.7	91.1	31.1	36.1	41.1	899.1	28.16	W21X122	A1 (PZC 13)
		5145.6	2315	151.7	176.1	200.6	122784.4	8.58	W530X182	
53-2229	IZ®	97.6	87.8	27.1	32.3	37.5	966.9	27.48	W24X84	A1 (PZC 13)
		5246.7	2229	132.2	157.6	183	132032.6	8.37	W610X125	

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				60%	80%	100%				
		in³/ft (cm³/m)	in (mm)	lb/ft² (kg/m²)	lb/ft² (kg/m²)	lb/ft² (kg/m²)	in⁴/ft (cm⁴/m)	ft²/ft (m²/m)	in (mm)	
53-2336	IZ®	98.8	92	54.7	59.6	64.6	775.9	27.38	W12X305	A1 (PZC 13)
		5310.8	2336	266.9	291.1	315.4	105957.6	8.34	W310X454	
53-2316	IZ®	99.1	91.2	32.4	37.4	42.4	939.6	28.2	W21X132	A1 (PZC 13)
		5329.6	2316	158	182.5	206.9	128312	8.59	W530X196	
54-2409	IZ®	100.1	94.8	50.3	55.1	59.9	800.2	28.46	W14X283	A1 (PZC 13)
		5383.8	2409	245.5	269	292.5	109278.6	8.67	W360X421	
54-2289	IZ®	100.6	90.1	38.4	43.5	48.6	908.5	27.51	W18X175	A1 (PZC 13)
		5409.6	2289	187.7	212.4	237.1	124069.6	8.38	W460X260	
55-2230	IZ®	101.8	87.8	28.5	33.7	38.9	1023	27.51	W24X94	A1 (PZC 13)
		5474.6	2230	139.1	164.5	189.9	139704.9	8.38	W610X140	
55-2324	IZ®	102	91.5	28.7	33.6	38.6	1024.8	28.69	W24X104	A1 (PZC 13)
		5485.3	2324	139.9	164.3	188.6	139947.7	8.74	W610X155	
56-2318	IZ®	104.4	91.3	34.4	39.4	44.4	1004.4	28.26	W21X147	A1 (PZC 13)
		5612	2318	167.7	192.1	216.6	137162.6	8.61	W530X219	
57-2340	IZ®	106	92.1	58.6	63.6	68.5	854.7	27.48	W12X336	A1 (PZC 13)
		5701.1	2340	286.3	310.4	334.6	116713.3	8.37	W310X500	
57-2229	IZ®	106.1	87.8	29.7	34.9	40.1	1080.4	27.51	W24X103	A1 (PZC 13)
		5705.4	2229	144.8	170.2	195.6	147535.1	8.38	W610X153	
57-2412	IZ®	106.8	95	53.7	58.6	63.4	872	28.56	W14X311	A1 (PZC 13)
		5741.7	2412	262.4	285.9	309.3	119082.8	8.7	W360X463	
58-2325	IZ®	107.3	91.5	30.3	35.3	40.3	1093	28.72	W24X117	A1 (PZC 13)
		5767.3	2325	148	172.3	196.7	149259.5	8.75	W610X174	
59-2253	IZ®	109	88.7	26.9	32	37.1	1164.3	28.2	W27X84	A1 (PZC 13)
		5858.1	2253	131.1	156.2	181.3	158990.6	8.59	W690X125	
61-2327	IZ®	113	91.6	32.1	37.1	42.1	1169.3	28.79	W24X131	A1 (PZC 13)
		6072.7	2327	157	181.3	205.6	159679.8	8.77	W610X195	
61-2315	IZ®	113	91.1	36.9	41.9	46.9	1112.8	28.26	W21X166	A1 (PZC 13)
		6076.5	2315	180.2	204.6	229.1	151967.7	8.61	W530X248	

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				60%	80%	100%				
		in³/ft (cm³/m)	in (mm)	lb/ft² (kg/m²)	lb/ft² (kg/m²)	lb/ft² (kg/m²)	in⁴/ft (cm⁴/m)	ft²/ft (m²/m)	in (mm)	
61-2254	IZ®	114.2	88.7	28.1	33.3	38.4	1239	28.26	W27X94	A1 (PZC 13)
		6141.5	2254	137.3	162.4	187.5	169193.1	8.61	W690X140	
62-2416	IZ®	114.5	95.1	57.6	62.4	67.2	957.2	28.66	W14X342	A1 (PZC 13)
		6155.8	2416	281.1	304.6	328	130713.2	8.73	W360X509	
64-2254	IZ®	118.5	88.7	29.3	34.4	39.6	1299.5	28.3	W27X102	A1 (PZC 13)
		6368.6	2254	142.9	168	193.1	177462.1	8.62	W690X152	
64-2318	IZ®	118.5	91.3	39	44	49	1184	28.33	W21X182	A1 (PZC 13)
		6371.7	2318	190.4	214.8	239.3	161682.2	8.63	W530X272	
64-2328	IZ®	119.7	91.7	34.1	39	44	1258.8	28.85	W24X146	A1 (PZC 13)
		6436.8	2328	166.3	190.6	215	171904.6	8.79	W610X217	
66-2418	IZ®	121.8	95.2	61.1	65.9	70.6	1037.9	28.72	W14X370	A1 (PZC 13)
		6547.1	2418	298.1	321.5	344.9	141733	8.75	W360X551	
66-2256	IZ®	123.5	88.8	30.8	35.9	41.1	1375.1	28.33	W27X114	A1 (PZC 13)
		6641.9	2256	150.4	175.5	200.6	187788	8.63	W690X170	
67-2264	IZ®	124.5	89.1	27.4	32.6	37.7	1443	28.82	W30X90	A1 (PZC 13)
		6693.4	2264	133.9	158.9	183.9	197048.1	8.78	W760X134	
68-2319	IZ®	125.5	91.3	41.5	46.5	51.5	1276.1	28.39	W21X201	A1 (PZC 13)
		6746.4	2319	202.5	226.9	251.3	174259.9	8.65	W530X300	
68-2329	IZ®	126.3	91.7	36.2	41.2	46.1	1350.8	28.89	W24X162	A1 (PZC 13)
		6790.6	2329	176.7	201	225.3	184461.7	8.8	W610X241	
69-2265	IZ®	128.4	89.2	28.7	33.8	38.9	1505.7	28.85	W30X99	A1 (PZC 13)
		6901	2265	140.1	165.1	190.1	205621	8.79	W760X147	
69-2421	IZ®	128.7	95.3	64.5	69.3	74.1	1119.8	28.79	W14X398	A1 (PZC 13)
		6917.4	2421	314.9	338.3	361.7	152917.2	8.77	W360X592	
71-2254	IZ®	131.4	88.7	32.8	38	43.1	1493.2	28.36	W27X129	A1 (PZC 13)
		7065.3	2254	160.3	185.4	210.5	203915.6	8.64	W690X192	
71-2327	IZ®	132.4	91.6	38	42.9	47.9	1435.9	28.89	W24X176	A1 (PZC 13)
		7120.3	2327	185.3	209.6	233.9	196081.7	8.8	W610X262	

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				60%	80%	100%				
		in³/ft (cm³/m)	in (mm)	lb/ft² (kg/m²)	lb/ft² (kg/m²)	lb/ft² (kg/m²)	in⁴/ft (cm⁴/m)	ft²/ft (m²/m)	in (mm)	
72-2266	IZ®	133.5	89.2	29.9	35	40.1	1586.5	28.89	W30X108	A1 (PZC 13)
		7176.6	2266	145.9	170.9	195.9	216655.2	8.8	W760X161	
72-2355	IZ®	134.6	92.7	33.7	38.7	43.6	1534.4	29.64	W27X146	A1 (PZC 13)
		7235.6	2355	164.8	188.8	212.8	209537.6	9.03	W690X217	
73-2424	IZ®	136.1	95.4	67.9	72.7	77.5	1206.6	28.89	W14X426	A1 (PZC 13)
		7314.7	2424	331.7	355.1	378.4	164778.5	8.8	W360X634	
74-2267	IZ®	138.2	89.3	31	36.1	41.2	1661.2	28.92	W30X116	A1 (PZC 13)
		7430.6	2267	151.4	176.4	201.4	226847.4	8.81	W760X173	
74-2329	IZ®	138.4	91.7	40	45	49.9	1522.1	28.95	W24X192	A1 (PZC 13)
		7440.1	2329	195.3	219.6	243.9	207861.1	8.82	W610X285	
76-2356	IZ®	141.2	92.8	35.7	40.6	45.6	1635.1	29.67	W27X161	A1 (PZC 13)
		7590.6	2356	174.4	198.4	222.4	223286.2	9.04	W690X240	
77-2267	IZ®	142.7	89.3	32	37.1	42.2	1732.9	28.95	W30X124	A1 (PZC 13)
		7674.4	2267	156.3	181.2	206.2	236648.2	8.82	W760X185	
77-2428	IZ®	142.8	95.6	71.5	76.2	81	1290.2	28.98	W14X455	A1 (PZC 13)
		7676.2	2428	348.9	372.3	395.6	176186.3	8.83	W360X677	
78-2330	IZ®	144.6	91.7	42	46.9	51.9	1612.2	28.98	W24X207	A1 (PZC 13)
		7772.8	2330	204.9	229.2	253.5	220157.9	8.83	W610X307	
79-2268	IZ®	146.8	89.3	33.1	38.2	43.3	1801.1	28.98	W30X132	A1 (PZC 13)
		7892.6	2268	161.7	186.7	211.6	245954.1	8.83	W760X196	
80-2358	IZ®	148	92.8	37.9	42.8	47.7	1739.1	29.74	W27X178	A1 (PZC 13)
		7956.3	2358	184.9	208.9	232.9	237486	9.06	W690X265	
82-2333	IZ®	153	91.9	44.8	49.8	54.8	1737.6	29.08	W24X229	A1 (PZC 13)
		8225.8	2333	218.8	243.1	267.3	237287.3	8.86	W610X341	
82-2292	IZ®	153.3	90.2	30.9	35.9	41	1985.6	29.74	W33X118	A1 (PZC 13)
		8241.1	2292	150.8	175.5	200.2	271155.8	9.06	W840X176	
83-2432	IZ®	154.6	95.7	77	81.7	86.5	1440.3	29.08	W14X500	A1 (PZC 13)
		8313.5	2432	375.8	399.1	422.4	196691.6	8.86	W360X744	

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		in³/ft (cm³/m)	in (mm)	lb/ft² (kg/m²)	lb/ft² (kg/m²)	lb/ft² (kg/m²)	in⁴/ft (cm⁴/m)	ft²/ft (m²/m)	in (mm)	
84-2266	IZ®	156.2	89.2	35.3	40.4	45.5	1956.2	29.02	W30X148	A1 (PZC 13)
		8398.4	2266	172.3	197.3	222.2	267136.1	8.84	W760X220	
84-2356	IZ®	156.6	92.8	39.9	44.9	49.8	1872	29.74	W27X194	A1 (PZC 13)
		8421.1	2356	195	219	243.1	255644.7	9.06	W690X289	
86-2292	IZ®	160.6	90.2	32.5	37.6	42.6	2112.1	29.77	W33X130	A1 (PZC 13)
		8635.1	2292	158.7	183.4	208.1	288420	9.07	W840X193	
87-2335	IZ®	161.6	91.9	47.5	52.5	57.5	1866.9	29.15	W24X250	A1 (PZC 13)
		8686.8	2335	232.1	256.3	280.5	254935.7	8.88	W610X372	
87-2381	IZ®	162.4	93.7	36.8	41.7	46.6	2052.1	30.49	W30X173	A1 (PZC 13)
		8730.7	2381	179.8	203.5	227.3	280227.5	9.29	W760X257	
90-2359	IZ®	166.6	92.9	42.9	47.8	52.7	2030.4	29.84	W27X217	A1 (PZC 13)
		8958	2359	209.4	233.4	257.4	277271.4	9.09	W690X323	
90-2293	IZ®	167.4	90.3	34	39	44.1	2233.7	29.8	W33X141	A1 (PZC 13)
		9001.3	2293	165.8	190.5	215.2	305036.3	9.08	W840X210	
90-2437	IZ®	167.8	95.9	82.9	87.6	92.4	1613.2	29.25	W14X550	A1 (PZC 13)
		9021.2	2437	404.7	427.9	451.1	220302.4	8.91	W360X818	
92-2382	IZ®	170.9	93.8	39.1	44	48.8	2195.1	30.53	W30X191	A1 (PZC 13)
		9190.3	2382	190.9	214.7	238.4	299764.6	9.3	W760X284	
93-2338	IZ®	172.4	92	51.3	56.2	61.2	2035.4	29.21	W24X279	A1 (PZC 13)
		9270.4	2338	250.2	274.4	298.7	277951.1	8.9	W610X415	
93-2294	IZ®	173.8	90.3	35.4	40.5	45.5	2349	29.87	W33X152	A1 (PZC 13)
		9344.2	2294	172.9	197.6	222.3	320776.9	9.1	W840X226	
94-2360	IZ®	174	92.9	45.3	50.2	55.1	2150.3	29.87	W27X235	A1 (PZC 13)
		9352.7	2360	221	244.9	268.9	293649.3	9.1	W690X350	
94-2304	IZ®	175	90.7	33	38	43	2453.4	30.33	W36X135	A1 (PZC 13)
		9410.9	2304	160.9	185.5	210	335034.9	9.24	W920X201	
97-2384	IZ®	180.3	93.9	41.6	46.5	51.4	2355.8	30.59	W30X211	A1 (PZC 13)
		9693.7	2384	203.3	227	250.7	321699.8	9.32	W760X314	

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98-2442	IZ®	182.7	96.1	90	94.7	99.4	1815.6	29.38	W14X605	A1 (PZC 13)
		9821	2442	439.2	462.4	485.6	247934.2	8.95	W360X900	
98-2340	IZ®	183.1	92.1	54.6	59.6	64.6	2204.7	29.28	W24X306	A1 (PZC 13)
		9844.7	2340	266.8	291	315.2	301068.9	8.92	W610X455	
99-2362	IZ®	183.9	93	48.1	53	57.9	2312.4	29.94	W27X258	A1 (PZC 13)
		9884.9	2362	234.7	258.7	282.7	315775.5	9.12	W690X384	
99-2292	IZ®	184	90.2	37.5	42.6	47.7	2533.3	29.87	W33X169	A1 (PZC 13)
		9893.2	2292	183.3	208	232.7	345942.1	9.1	W840X251	
100-2304	IZ®	185.5	90.7	35	40	45	2651	30.4	W36X150	A1 (PZC 13)
		9973.1	2304	170.8	195.4	219.9	362014.7	9.26	W920X223	
103-2305	IZ®	191.3	90.7	36.3	41.3	46.3	2764.1	30.43	W36X160	A1 (PZC 13)
		10284.8	2305	177.2	201.7	226.3	377456.2	9.27	W920X238	
104-2382	IZ®	192.8	93.8	44.7	49.6	54.4	2570	30.62	W30X235	A1 (PZC 13)
		10364.9	2382	218.3	242	265.8	350957.7	9.33	W760X350	
104-2400	IZ®	193.5	94.5	40.1	44.9	49.7	2704.7	31.25	W33X201	A1 (PZC 13)
		10403.9	2400	195.7	219.3	242.9	369356.1	9.52	W840X299	
104-2364	IZ®	193.9	93.1	51.1	56	60.9	2480.8	30	W27X281	A1 (PZC 13)
		10425.3	2364	249.5	273.4	297.4	338772.9	9.14	W690X419	
105-2343	IZ®	194.3	92.2	58.4	63.4	68.3	2385.9	29.38	W24X335	A1 (PZC 13)
		10445.1	2343	285.2	309.4	333.5	325822.3	8.95	W610X498	
106-2300	IZ®	197.1	90.6	34.9	39.9	45	2968.8	30.72	W40X149	A1 (PZC 13)
		10597.5	2300	170.4	195	219.6	405410.8	9.36	W1000X222	
106-2306	IZ®	197.2	90.8	37.6	42.6	47.7	2880.1	30.46	W36X170	A1 (PZC 13)
		10604.1	2306	183.6	208.1	232.7	393308.5	9.28	W920X253	
107-2448	IZ®	198.6	96.4	97	101.7	106.4	2045.3	29.54	W14X665	A1 (PZC 13)
		10676.8	2448	473.4	496.5	519.6	279310.4	9	W360X990	
109-2307	IZ®	203.5	90.8	39.2	44.2	49.2	3006.5	30.49	W36X182	A1 (PZC 13)
		10942.9	2307	191.3	215.9	240.4	410569.5	9.29	W920X271	

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Section	Solution Type	Section Modulus	Width	Weight at Ratio			Moment of Inertia	Coating Area	Diameter	Configuration
				60%	80%	100%				
		in³/ft (cm³/m)	in (mm)	lb/ft² (kg/m²)	lb/ft² (kg/m²)	lb/ft² (kg/m²)	in⁴/ft (cm⁴/m)	ft²/ft (m²/m)	in (mm)	
110-2401	IZ®	203.9	94.5	42.6	47.4	52.3	2899.3	31.31	W33X221	A1 (PZC 13)
		10964.5	2401	208	231.6	255.2	395930.3	9.54	W840X329	
110-2385	IZ®	204.2	93.9	48	52.9	57.7	2773.5	30.69	W30X261	A1 (PZC 13)
		10976.2	2385	234.4	258.2	281.9	378741.2	9.35	W760X389	
110-2367	IZ®	204.3	93.2	54.3	59.2	64.1	2657.5	30.07	W27X307	A1 (PZC 13)
		10982.1	2367	265.1	289	312.9	362905.9	9.16	W690X457	
112-2347	IZ®	207.7	92.4	62.9	67.8	72.8	2609.3	29.48	W24X370	A1 (PZC 13)
		11165.9	2347	307.1	331.3	355.4	356322.3	8.98	W610X551	
113-2308	IZ®	209.6	90.9	40.7	45.7	50.7	3129.3	30.53	W36X194	A1 (PZC 13)
		11268.7	2308	198.7	223.3	247.8	427334.1	9.3	W920X289	
114-2300	IZ®	211.2	90.6	37.3	42.3	47.4	3253	30.79	W40X167	A1 (PZC 13)
		11357.2	2300	182	206.6	231.2	444227.5	9.38	W1000X249	
115-2403	IZ®	214.1	94.6	45.1	49.9	54.8	3089.2	31.38	W33X241	A1 (PZC 13)
		11508.2	2403	220.3	243.8	267.4	421862.3	9.56	W840X359	
117-2370	IZ®	216.7	93.3	58	62.8	67.7	2874.1	30.17	W27X336	A1 (PZC 13)
		11649.6	2370	283	306.8	330.7	392482.8	9.19	W690X500	
117-2454	IZ®	216.8	96.6	104.6	109.3	114	2311.8	29.71	W14X730	A1 (PZC 13)
		11654.5	2454	510.6	533.7	556.8	315694.5	9.05	W360X1086	
117-2309	IZ®	217.7	90.9	42.8	47.9	52.9	3295.5	30.56	W36X210	A1 (PZC 13)
		11705.2	2309	209.2	233.7	258.2	450026.6	9.31	W920X313	
118-2387	IZ®	218.8	94	51.9	56.7	61.6	3036.7	30.76	W30X292	A1 (PZC 13)
		11764.5	2387	253.3	277	300.7	414682.6	9.37	W760X434	
119-2418	IZ®	221.1	95.2	43.4	48.2	53	3315.2	31.87	W36X230	A1 (PZC 13)
		11885.6	2418	211.8	235.2	258.6	452720	9.71	W920X342	
121-2300	IZ®	224.8	90.6	39.4	44.4	49.5	3529.8	30.85	W40X183	A1 (PZC 13)
		12085.5	2300	192.3	216.9	241.5	482024.6	9.4	W1000X272	
122-2400	IZ®	226.3	94.5	39.7	44.6	49.4	3562.4	32.1	W40X199	A1 (PZC 13)
		12165	2400	194.1	217.6	241.2	486474.9	9.78	W1000X296	

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Section	Solution Type	Section Modulus	Width	Weight at Ratio			Moment of Inertia	Coating Area	Diameter	Configuration
				60%	80%	100%				
		in³/ft (cm³/m)	in (mm)	lb/ft² (kg/m²)	lb/ft² (kg/m²)	lb/ft² (kg/m²)	in⁴/ft (cm⁴/m)	ft²/ft (m²/m)	in (mm)	
122-2401	IZ®	227.1	94.5	48	52.8	57.6	3337.3	31.38	W33X263	A1 (PZC 13)
		12209.4	2401	234.2	257.8	281.3	455735.8	9.56	W840X392	
123-2419	IZ®	229.2	95.2	45.3	50.1	54.9	3474.6	31.9	W36X245	A1 (PZC 13)
		12323.5	2419	221.1	244.5	267.9	474487.3	9.72	W920X365	
124-2372	IZ®	229.8	93.4	62	66.9	71.8	3107.6	30.23	W27X368	A1 (PZC 13)
		12356.2	2372	302.9	326.8	350.6	424376.8	9.21	W690X548	
124-2471	IZ®	231.1	97.3	113.6	118.3	123	2519.2	29.87	W14X808	A1 (PZC 13)
		12426.5	2471	554.8	577.7	600.6	344023.5	9.1	W360X1202	
125-2308	IZ®	232	90.9	45.6	50.7	55.7	3586.7	30.59	W36X232	A1 (PZC 13)
		12475.6	2308	222.9	247.4	271.9	489789	9.32	W920X345	
126-2390	IZ®	233.6	94.1	56.1	61	65.8	3311	30.85	W30X326	A1 (PZC 13)
		12561.8	2390	274	297.7	321.4	452151.8	9.4	W760X484	
128-2420	IZ®	237.3	95.3	47.1	51.9	56.7	3637.1	31.94	W36X260	A1 (PZC 13)
		12758	2420	230.1	253.5	276.9	496672.9	9.73	W920X387	
129-2400	IZ®	239.6	94.5	41.9	46.7	51.5	3835.1	32.17	W40X215	A1 (PZC 13)
		12880.7	2400	204.5	228.1	251.7	523719.7	9.8	W1000X321	
129-2300	IZ®	240.3	90.6	43.1	48.1	53.2	3870.4	30.89	W40X211	A1 (PZC 13)
		12917.5	2300	210.3	234.9	259.6	528535.7	9.41	W1000X314	
129-2404	IZ®	240.6	94.6	51.5	56.3	61.1	3600.8	31.48	W33X291	A1 (PZC 13)
		12935.8	2404	251.2	274.7	298.3	491726.8	9.59	W840X433	
132-2310	IZ®	244.5	90.9	48.9	53.9	58.9	3850.7	30.66	W36X256	A1 (PZC 13)
		13146.5	2310	238.7	263.2	287.7	525841	9.34	W920X381	
133-2393	IZ®	248	94.2	60	64.9	69.7	3581.5	30.95	W30X357	A1 (PZC 13)
		13331.8	2393	293	316.7	340.3	489089.9	9.43	W760X531	
134-2422	IZ®	248.6	95.4	49.7	54.5	59.2	3866.9	32	W36X280	A1 (PZC 13)
		13365.6	2422	242.5	265.9	289.3	528059.6	9.75	W920X417	
136-2302	IZ®	253.4	90.6	46.2	51.2	56.3	4161.7	30.95	W40X235	A1 (PZC 13)
		13622.5	2302	225.5	250.1	274.7	568317.2	9.43	W1000X350	

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				60%	80%	100%				
		in³/ft (cm³/m)	in (mm)	lb/ft² (kg/m²)	lb/ft² (kg/m²)	lb/ft² (kg/m²)	in⁴/ft (cm⁴/m)	ft²/ft (m²/m)	in (mm)	
137-2406	IZ®	254	94.7	54.8	59.6	64.5	3865.1	31.54	W33X318	A1 (PZC 13)
		13654.2	2406	267.6	291.2	314.7	527810.2	9.61	W840X473	
139-2400	IZ®	258.5	94.5	46.2	51	55.8	4244.6	32.2	W40X249	A1 (PZC 13)
		13896.3	2400	225.5	249	272.6	579636.8	9.81	W1000X371	
139-2423	IZ®	258.7	95.4	52.2	57	61.7	4072.7	32.04	W36X300	A1 (PZC 13)
		13909.6	2423	254.7	278.1	301.5	556157	9.76	W920X446	
141-2396	IZ®	263	94.3	64.4	69.2	74	3870.5	31.02	W30X391	A1 (PZC 13)
		14137.2	2396	314.3	337.9	361.5	528553.2	9.45	W760X582	
144-2303	IZ®	267	90.7	50	55	60.1	4475.3	31.02	W40X264	A1 (PZC 13)
		14354.2	2303	244.2	268.7	293.3	611144.6	9.45	W1000X393	
146-2400	IZ®	270.9	94.5	43.8	48.6	53.4	4762.7	32.79	W44X230	A1 (PZC 13)
		14566.7	2400	213.7	237.3	260.8	650394.6	9.99	W1100X343	
146-2409	IZ®	271	94.8	59.3	64.1	68.9	4208.8	31.61	W33X354	A1 (PZC 13)
		14569.7	2409	289.5	313	336.4	574749.1	9.63	W840X527	
147-2422	IZ®	273.6	95.4	55.6	60.4	65.2	4382.5	32.07	W36X328	A1 (PZC 13)
		14708	2422	271.7	295.1	318.4	598473.1	9.77	W920X488	
147-2402	IZ®	273.6	94.6	49.6	54.4	59.3	4578.3	32.27	W40X277	A1 (PZC 13)
		14709.6	2402	242.3	265.8	289.4	625208.3	9.83	W1000X412	
147-2304	IZ®	273.9	90.7	51.9	57	62	4635.6	31.02	W40X278	A1 (PZC 13)
		14726	2304	253.6	278.2	302.7	633037.7	9.45	W1000X415	
152-2402	IZ®	281.9	94.6	52.2	57.1	61.9	4772	32.27	W40X297	A1 (PZC 13)
		15158	2402	255	278.6	302.1	651654.7	9.83	W1000X443	
154-2411	IZ®	286.7	94.9	63.4	68.2	73.1	4535	31.71	W33X387	A1 (PZC 13)
		15412.9	2411	309.7	333.2	356.7	619289.1	9.66	W840X576	
155-2425	IZ®	288.4	95.5	59.4	64.2	69	4697.1	32.13	W36X359	A1 (PZC 13)
		15506	2425	290.1	313.5	336.8	641431.4	9.79	W920X534	
157-2400	IZ®	292.1	94.5	47.9	52.7	57.5	5259.1	32.86	W44X262	A1 (PZC 13)
		15705.8	2400	233.6	257.2	280.8	718176.3	10.01	W1100X390	

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				60%	80%	100%				
		in³/ft (cm³/m)	in (mm)	lb/ft² (kg/m²)	lb/ft² (kg/m²)	lb/ft² (kg/m²)	in⁴/ft (cm⁴/m)	ft²/ft (m²/m)	in (mm)	
160-2404	IZ®	297.7	94.6	55.6	60.4	65.2	5122.4	32.36	W40X324	A1 (PZC 13)
		16006.1	2404	271.4	295	318.5	699503.3	9.86	W1000X483	
162-2308	IZ®	300.3	90.9	58.2	63.2	68.2	5245.3	31.15	W40X327	A1 (PZC 13)
		16147.1	2308	284.1	308.6	333.1	716289.4	9.49	W1000X486	
162-2387	IZ®	300.8	94	83.3	88.1	93	4455.5	30.69	W27X539	A1 (PZC 13)
		16172.2	2387	406.6	430.3	454	608444.8	9.35	W690X802	
162-2309	IZ®	301.6	90.9	58.9	63.9	68.9	5276.5	31.18	W40X331	A1 (PZC 13)
		16215.6	2309	287.4	311.9	336.4	720547.4	9.5	W1000X494	
164-2427	IZ®	305.6	95.6	63.7	68.5	73.3	5069.5	32.23	W36X393	A1 (PZC 13)
		16429.3	2427	311.2	334.6	357.9	692284.8	9.82	W920X585	
166-2402	IZ®	309.1	94.6	51.5	56.3	61.1	5669.3	32.92	W44X290	A1 (PZC 13)
		16616.1	2402	251.4	275	298.5	774194.8	10.03	W1100X433	
170-2407	IZ®	316.8	94.8	60.3	65.2	70	5563.1	32.43	W40X362	A1 (PZC 13)
		17032.2	2407	294.6	318.1	341.6	759697	9.88	W1000X539	
173-2408	IZ®	321	94.8	61.6	66.4	71.2	5663	32.46	W40X372	A1 (PZC 13)
		17259.3	2408	300.7	324.2	347.7	773332.8	9.89	W1000X554	
177-2431	IZ®	328.4	95.7	69.3	74.1	78.9	5566.9	32.33	W36X439	A1 (PZC 13)
		17657.2	2431	338.5	361.8	385.1	760214.2	9.85	W920X653	
178-2405	IZ®	330.7	94.7	56.8	61.7	66.5	6211.8	32.99	W44X335	A1 (PZC 13)
		17782	2405	277.5	301.1	324.6	848280.3	10.05	W1100X499	
180-2314	IZ®	334.9	91.1	66.7	71.7	76.7	6066.4	31.35	W40X392	A1 (PZC 13)
		18004.8	2314	325.8	350.2	374.7	828427.5	9.55	W1000X584	
181-2409	IZ®	335.8	94.8	64.7	69.5	74.3	6004.2	32.49	W40X397	A1 (PZC 13)
		18053	2409	315.9	339.3	362.8	819926.7	9.9	W1000X591	
190-2412	IZ®	352.7	95	68.9	73.8	78.6	6402.8	32.59	W40X431	A1 (PZC 13)
		18962.9	2412	336.6	360.1	383.5	874365.3	9.93	W1000X642	
200-2437	IZ®	372.5	95.9	80.1	84.9	89.6	6562.4	32.53	W36X527	A1 (PZC 13)
		20027.7	2437	391.1	414.4	437.6	896157.2	9.91	W920X784	

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				60%	80%	100%				
		in ³ /ft (cm ³ /m)	in (mm)	lb/ft ² (kg/m ²)	lb/ft ² (kg/m ²)	lb/ft ² (kg/m ²)	in ⁴ /ft (cm ⁴ /m)	ft ² /ft (m ² /m)	in (mm)	
211-2417	IZ [®]	391.6	95.2	77.9	82.7	87.5	7339	32.76	W40X503	A1 (PZC 13)
		21052.7	2417	380.4	403.8	427.2	1002201	9.98	W1000X748	
233-2446	IZ [®]	433.6	96.3	95.1	99.8	104.5	8001.9	32.79	W36X650	A1 (PZC 13)
		23313.3	2446	464.2	487.3	510.4	1092724.8	9.99	W920X967	
237-2424	IZ [®]	440.8	95.4	89.3	94.1	98.9	8558.2	32.95	W40X593	A1 (PZC 13)
		23698.4	2424	436	459.3	482.7	1168693.3	10.04	W1000X883	
274-2457	IZ [®]	509.3	96.7	113	117.7	122.4	9872.5	33.12	W36X798	A1 (PZC 13)
		27382.4	2457	551.5	574.6	597.6	1348180.4	10.09	W920X1188	

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Specifications

When using steel sheet pile, it is necessary to make allowances for deviations from theoretical exactness. The degree of precision obtainable in the production of sheet pile is limited by the basic character of the rolling processes and normal limitations of mill equipment. Care must be taken during installation to assure that each element is being set at the desired driving dimension.

- Dimensions typically shown are nominal.
- Actual thicknesses vary due to mill rolling practices; however, permitted variations for such dimensions are not addressed.
- Interlocks should be reasonably free-sliding when threaded.
- Terms, tolerance, dimensions, and delivery conditions are in accordance with EN 10248 and/or ASTM A6.
- Welding is in accordance with AWS D1.1.

	AMERICAN ASTM A 6		EUROPEAN EN 10248
Mass	5%	-2.5%	± 5%
Length	+ 5in.	-0 in.	± 200mm
Height			± 7mm
Thickness			± 0.5mm for ≤ 8.5mm ± 6% for > 8.5mm
Width Interlocked			± 3%
Straightness			0.2% of the length
Ends ou of Square			2% of the width

Available Steel Grades

AMERICAN			CANADIAN			EUROPEAN		
ASTM	YIELD STRENGTH		CSA G40.21	YIELD STRENGTH		EN 10248	YIELD STRENGTH	
	(ksi)	(MPa)		(ksi)	(MPa)		(ksi)	(MPa)
A 328	39	270	Grade 260 W	38	260	S 240 GP	35	240
A 572 Grade 42	42	290	Grade 300 W	44	300	S 270 GP	39	270
A 572 Grade 50	50	345	Grade 355 W	50	350	S 320 GP	46	320
A 572 Grade 55	55	380	Grade 400 W	58	400	S 355 GP	51	355
A 572 Grade 60	60	415				S 390 GP	57	390
A 572 Grade 65*	65	450				S 430 GP	62	430
A 588 Grade 50	50	345				S 450 GP*	65	450
API 5L x70	70	485						
ASTM A 690 MARINER®	50	345						

ENGINEERING DISCLAIMER

This publication contains information on the properties of hot-rolled sheet pile based on accepted engineering practices related to sheet pile products and projects. The use of the data contained herein must be supplemented with qualified professional judgment.

LEGAL DISCLAIMER

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