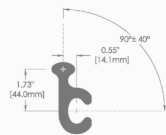


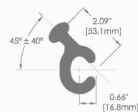
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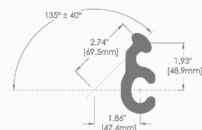
PilePro® Sheet Pile Connectors



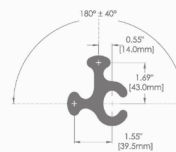
PZ 90



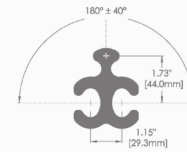
Colt



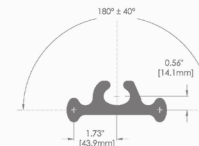
Cobra



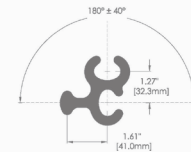
PZ Tee



Joker



Bullhead



PZT-S

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



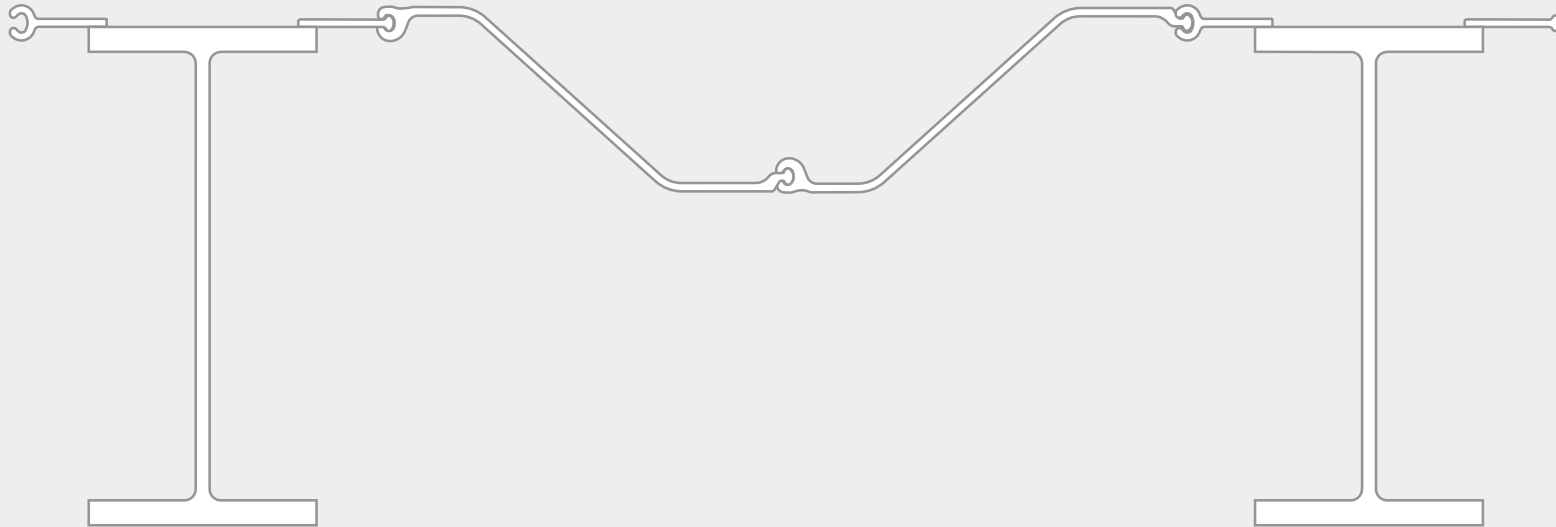
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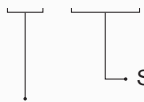


Configuration E2 (PZC 18)



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)	
28-1626	IZ®	51.2	64	18.9	23.5	28.2	327.8	17.66	W16X26	E2 (PZC 18)
		2752.4	1626.2	92.1	114.9	137.6	44766.5	5.38	W410X38.8	
29-1626	IZ®	53	64	19.8	24.4	29.1	342.7	17.66	W16X31	E2 (PZC 18)
		2850.1	1626.2	96.6	119.4	142.1	46800.9	5.38	W410X46.1	
29-1663	IZ®	53.7	65.5	20.2	24.8	29.4	349.3	18.16	W16X36	E2 (PZC 18)
		2884.7	1663.2	98.9	121.1	143.3	47699	5.53	W410X53	
30-1664	IZ®	55.3	65.5	21	25.5	30.1	362.8	18.19	W16X40	E2 (PZC 18)
		2970.9	1664.2	102.5	124.7	146.9	49538.4	5.54	W410X60	
30-1638	IZ®	55.5	64.5	20.4	25	29.6	372	18.12	W18X35	E2 (PZC 18)
		2983.2	1638.2	99.5	122.1	144.6	50805.9	5.52	W460X52	
31-1665	IZ®	56.7	65.6	21.9	26.5	31	375.8	18.22	W16X45	E2 (PZC 18)
		3050.4	1665.2	106.9	129.1	151.3	51321.5	5.55	W410X67	
31-1639	IZ®	57.9	64.5	21.3	25.9	30.5	393.2	18.19	W18X40	E2 (PZC 18)
		3111	1639.2	104	126.6	149.1	53691.1	5.54	W460X60	
31-1666	IZ®	58.3	65.6	22.8	27.4	31.9	389.8	18.25	W16X50	E2 (PZC 18)
		3136	1666.2	111.4	133.5	155.7	53228.1	5.56	W410X75	
32-1640	IZ®	60	64.6	22.4	27	31.6	413.6	18.22	W18X46	E2 (PZC 18)
		3225.9	1640.2	109.4	131.9	154.5	56474.6	5.55	W460X68	
33-1667	IZ®	60.5	65.6	24	28.6	33.1	409	18.29	W16X57	E2 (PZC 18)
		3251.9	1667.2	117.4	139.5	161.7	55849.5	5.57	W410X85	
33-1676	IZ®	60.8	66	22.6	27.1	31.7	421.3	18.68	W18X50	E2 (PZC 18)
		3269.4	1676.2	110.5	132.5	154.6	57535.6	5.69	W460X74	
33-1885	IZ®	61.8	74.2	26.3	30.3	34.3	416.6	20.91	HP16x88	E2 (PZC 18)
		3321.5	1884.7	128.2	147.8	167.4	56886.2	6.37	HP410x131	
34-1651	IZ®	62.6	65	21.9	26.5	31.1	451.2	18.78	W21X44	E2 (PZC 18)
		3364.9	1651.2	107	129.3	151.7	61612.9	5.72	W530X66	
34-1677	IZ®	62.7	66	23.6	28.1	32.6	439.6	18.68	W18X55	E2 (PZC 18)
		3371.5	1677.2	115.3	137.3	159.3	60029.4	5.69	W460X82	

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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)	
34-1746	IZ®	62.7	68.7	24.9	29.2	33.6	428.5	19.3	W16X67	E2 (PZC 18)
		3372.9	1746.2	121.5	142.7	163.8	58522	5.88	W410X100	
34-1693	IZ®	63.6	66.7	22.1	26.5	31	462.4	19.34	W21X48	E2 (PZC 18)
		3417.4	1693.2	107.8	129.6	151.4	63150.6	5.89	W530X72	
35-1678	IZ®	64.6	66.1	24.5	29	33.5	457.7	18.71	W18X60	E2 (PZC 18)
		3474.8	1678.2	119.4	141.4	163.5	62503.1	5.7	W460X89	
35-1886	IZ®	65.6	74.3	28.5	32.5	36.5	448.1	20.98	HP16x101	E2 (PZC 18)
		3524.3	1886.2	139.1	158.7	178.3	61198	6.39	HP410x151	
35-1652	IZ®	65.6	65	23	27.6	32.1	481.4	18.81	W21X50	E2 (PZC 18)
		3527.2	1652.2	112.2	134.6	157	65737.3	5.73	W530X74	
35-1747	IZ®	65.9	68.8	26.6	31	35.3	457	19.34	W16X77	E2 (PZC 18)
		3542.9	1747.2	130	151.1	172.3	62411	5.89	W410X114	
36-1679	IZ®	66.5	66.1	25.3	29.8	34.3	475.4	18.75	W18X65	E2 (PZC 18)
		3573.2	1679.2	123.5	145.6	167.6	64920.3	5.71	W460X97	
36-1695	IZ®	67.4	66.7	23.4	27.8	32.3	499.9	19.37	W21X55	E2 (PZC 18)
		3621	1695.2	114	135.8	157.7	68269.2	5.9	W530X82	
37-1680	IZ®	68.5	66.1	26.4	30.9	35.4	495.6	18.78	W18X71	E2 (PZC 18)
		3680.6	1680.2	129.1	151.1	173.1	67684.1	5.72	W460X106	
37-1766	IZ®	68.8	69.5	26	30.3	34.5	498.5	19.86	W18X76	E2 (PZC 18)
		3700.4	1766.2	126.8	147.7	168.6	68072.1	6.05	W460X113	
37-1652	IZ®	69.5	65	24.3	28.8	33.4	520.7	18.85	W21X57	E2 (PZC 18)
		3736.4	1652.2	118.4	140.8	163.2	71101.5	5.74	W530X85	
38-1749	IZ®	69.7	68.9	28.7	33	37.4	491.8	19.4	W16X89	E2 (PZC 18)
		3749.3	1749.2	140.1	161.3	182.4	67157.7	5.91	W410X132	
38-1889	IZ®	71	74.4	31.7	35.7	39.7	496.6	21.04	HP16x121	E2 (PZC 18)
		3816.8	1889.4	154.7	174.2	193.8	67817.9	6.41	HP410x181	
38-1695	IZ®	71.2	66.7	24.6	29.1	33.5	538.6	19.4	W21X62	E2 (PZC 18)
		3827.7	1695.2	120.1	141.9	163.7	73547	5.91	W530X92	

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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)	
39-1768	IZ [®]	72.6	69.6	27.7	31.9	36.2	534.4	19.93	W18X86	E2 (PZC 18)
		3901.6	1768.2	135.1	156	176.9	72976.5	6.07	W460X128	
40-1751	IZ [®]	73.4	68.9	30.6	34.9	39.2	526.3	19.44	W16X100	E2 (PZC 18)
		3946.9	1751.2	149.4	170.5	191.6	71876.4	5.92	W410X149	
40-1664	IZ [®]	73.5	65.5	23.8	28.3	32.9	577.2	19.44	W24X55	E2 (PZC 18)
		3951.1	1664.2	116.2	138.4	160.6	78819.2	5.92	W610X82	
40-1696	IZ [®]	74.2	66.8	25.6	30.1	34.5	569.6	19.44	W21X68	E2 (PZC 18)
		3987.1	1696.2	125.1	146.9	168.7	77786.8	5.92	W530X101	
41-1893	IZ [®]	76.3	74.5	34.9	38.9	42.9	542.6	21.08	HP16x141	E2 (PZC 18)
		4104	1892.6	170.2	189.7	209.2	74090.6	6.42	HP410x211	
41-1697	IZ [®]	76.4	66.8	26.6	31	35.5	594	19.47	W21X73	E2 (PZC 18)
		4108.5	1697.2	129.6	151.4	173.2	81113.6	5.93	W530X109	
41-1769	IZ [®]	76.7	69.7	29.6	33.8	38.1	575.2	19.96	W18X97	E2 (PZC 18)
		4124.4	1769.2	144.3	165.2	186.1	78555.3	6.08	W460X144	
42-1665	IZ [®]	77.5	65.6	25	29.6	34.1	622.2	19.47	W24X62	E2 (PZC 18)
		4168.3	1665.2	122.2	144.4	166.6	84963.6	5.93	W610X92	
43-1937	IZ [®]	79.1	76.3	33.1	37	40.9	592.4	21.93	HP18x135	E2 (PZC 18)
		4251.7	1937	161.6	180.7	199.7	80895.6	6.68	HP360x202	
43-1770	IZ [®]	79.7	69.7	31.1	35.4	39.6	606.3	19.99	W18X106	E2 (PZC 18)
		4286.7	1770.2	151.8	172.7	193.5	82801.3	6.09	W460X158	
43-1714	IZ [®]	80.5	67.5	25.3	29.8	34.2	655.7	20.12	W24X68	E2 (PZC 18)
		4330.5	1714.2	123.8	145.3	166.9	89545.6	6.13	W610X101	
43-1698	IZ [®]	80.7	66.9	28.2	32.7	37.2	641.2	19.5	W21X83	E2 (PZC 18)
		4340.6	1698.2	137.9	159.6	181.4	87565.5	5.94	W530X123	
44-1896	IZ [®]	82.1	74.6	38.1	42.1	46.1	595.8	21.17	HP16x162	E2 (PZC 18)
		4414.6	1895.8	185.9	205.4	224.9	81356	6.45	HP410x242	
45-1884	IZ [®]	83.7	74.2	40.6	44.6	48.6	585.1	20.85	W14X176	E2 (PZC 18)
		4500.5	1884.2	198	217.6	237.2	79897.7	6.35	W360X262	

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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)	
46-1772	IZ®	84.8	69.8	33.3	37.6	41.9	657.6	20.03	W18X119	E2 (PZC 18)
		4556.8	1772.2	162.7	183.5	204.4	89795.6	6.1	W460X177	
46-1700	IZ®	85	66.9	30	34.5	38.9	689.5	19.53	W21X93	E2 (PZC 18)
		4569.9	1700.2	146.5	168.2	190	94162.1	5.95	W530X138	
46-1940	IZ®	85.4	76.4	36.4	40.3	44.2	652.7	21.99	HP18x157	E2 (PZC 18)
		4591.9	1940.2	177.8	196.8	215.9	89134.5	6.7	HP360x234	
46-1714	IZ®	85.6	67.5	26.8	31.2	35.6	712.3	20.16	W24X76	E2 (PZC 18)
		4600	1714.2	130.6	152.2	173.8	97277	6.14	W610X113	
47-1798	IZ®	87.3	70.8	29.8	34	38.2	712.1	20.81	W21X101	E2 (PZC 18)
		4691.9	1798.2	145.5	166	186.6	97245.3	6.34	W530X150	
47-1905	IZ®	87.5	75	41.4	45.3	49.3	646.4	21.31	HP16x183	E2 (PZC 18)
		4704.6	1905.3	202	221.4	240.8	88272.7	6.49	HP410x272	
48-1885	IZ®	88.6	74.2	43.3	47.3	51.3	628.4	20.91	W14X193	E2 (PZC 18)
		4761.6	1885.2	211.2	230.8	250.4	85808.1	6.37	W360X287	
48-1769	IZ®	89.6	69.7	35.3	39.6	43.8	708.5	20.06	W18X130	E2 (PZC 18)
		4818.9	1769.2	172.3	193.2	214.1	96747.1	6.11	W460X193	
49-1715	IZ®	90.3	67.5	28.1	32.6	37	767	20.19	W24X84	E2 (PZC 18)
		4853.8	1715.2	137.4	159	180.5	104744.4	6.15	W610X125	
49-1799	IZ®	91.3	70.8	31.5	35.7	39.9	757.1	20.85	W21X111	E2 (PZC 18)
		4906.5	1799.2	153.7	174.2	194.8	103384.3	6.35	W530X165	
50-1943	IZ®	93	76.5	40.1	44	47.9	726.2	22.06	HP18x181	E2 (PZC 18)
		4997.4	1943.4	195.7	214.7	233.7	99162.8	6.72	HP360x269	
50-1887	IZ®	93.4	74.3	46.1	50.1	54.1	673	20.94	W14X211	E2 (PZC 18)
		5022.8	1887.2	225.1	244.7	264.3	91900.3	6.38	W360X314	
51-1771	IZ®	94.7	69.7	37.4	41.7	46	761.9	20.09	W18X143	E2 (PZC 18)
		5089.4	1771.2	182.7	203.6	224.5	104048.7	6.12	W460X213	
52-1716	IZ®	95.8	67.6	30	34.4	38.8	834.1	20.22	W24X94	E2 (PZC 18)
		5148.6	1716.2	146.5	168	189.6	113903.4	6.16	W610X140	

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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)	
52-1801	IZ®	96	70.9	33.2	37.4	41.6	810.9	20.88	W21X122	E2 (PZC 18)
		5159.5	1801.2	162.2	182.8	203.3	110730.5	6.36	W530X182	
53-1810	IZ®	97.8	71.3	30.1	34.3	38.5	861.2	21.4	W24X104	E2 (PZC 18)
		5257.5	1810.2	147.1	167.5	188	117601.9	6.52	W610X155	
53-1739	IZ®	97.8	68.5	27.9	32.2	36.6	883.3	20.91	W27X84	E2 (PZC 18)
		5258.5	1739.2	136	157.2	178.5	120617.2	6.37	W690X125	
53-1816	IZ®	98.5	71.5	54.8	59	63.2	705.9	19.9	W12X252	E2 (PZC 18)
		5294.1	1816.2	267.7	288	308.4	96402.5	6.06	W310X375	
53-1890	IZ®	99.2	74.4	49.6	53.6	57.6	728.8	21.04	W14X233	E2 (PZC 18)
		5333.3	1890.2	242.2	261.8	281.3	99521.1	6.41	W360X347	
54-1773	IZ®	99.9	69.8	39.9	44.2	48.5	819.9	20.16	W18X158	E2 (PZC 18)
		5373	1773.2	194.9	215.8	236.6	111959.7	6.14	W460X235	
54-1947	IZ®	100.2	76.6	43.7	47.6	51.5	802	22.13	HP18x204	E2 (PZC 18)
		5387.8	1946.6	213.6	232.6	251.6	109519.8	6.74	HP460x304	
54-1802	IZ®	100.3	71	34.9	39.1	43.3	859.7	20.91	W21X132	E2 (PZC 18)
		5390.7	1802.2	170.4	190.9	211.4	117393.2	6.37	W530X196	
54-1715	IZ®	101.2	67.5	31.5	35.9	40.3	899.3	20.22	W24X103	E2 (PZC 18)
		5438.2	1715.2	153.9	175.5	197	122811.9	6.16	W610X153	
56-1811	IZ®	104.5	71.3	32.2	36.4	40.6	943.1	21.44	W24X117	E2 (PZC 18)
		5619.5	1811.2	157.4	177.9	198.3	128794.6	6.53	W610X174	
56-1740	IZ®	104.9	68.5	29.5	33.8	38.2	972	20.98	W27X94	E2 (PZC 18)
		5637.5	1740.2	144	165.3	186.5	132729.2	6.39	W690X140	
57-1820	IZ®	105.4	71.7	59.1	63.3	67.4	776.5	19.99	W12X279	E2 (PZC 18)
		5667.1	1820.2	288.6	308.9	329.3	106044.7	6.09	W310X415	
57-1892	IZ®	105.6	74.5	53.5	57.5	61.5	793.2	21.11	W14X257	E2 (PZC 18)
		5679.8	1892.2	261.1	280.6	300.1	108321	6.43	W360X382	
57-1804	IZ®	106.7	71	37.5	41.6	45.8	935.4	20.98	W21X147	E2 (PZC 18)
		5735.1	1804.2	182.9	203.3	223.8	127742.5	6.39	W530X219	

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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)	
57-1775	IZ®	106.8	69.9	42.8	47	51.3	895.7	20.22	W18X175	E2 (PZC 18)
		5740.1	1775.2	208.8	229.7	250.5	122317	6.16	W460X260	
59-1740	IZ®	110.5	68.5	31	35.3	39.7	1045.8	21.01	W27X102	E2 (PZC 18)
		5942.8	1740.2	151.2	172.5	193.7	142813.9	6.4	W690X152	
60-1750	IZ®	110.6	68.9	28.6	32.9	37.2	1076.6	21.54	W30X90	E2 (PZC 18)
		5948	1750.2	139.6	160.7	181.9	147020.8	6.56	W760X134	
60-1813	IZ®	111.7	71.4	34.6	38.8	43	1033.8	21.5	W24X131	E2 (PZC 18)
		6004.3	1813.2	169	189.3	209.7	141175.3	6.55	W610X195	
61-1822	IZ®	112.6	71.7	63.5	67.6	71.8	852.4	20.09	W12X305	E2 (PZC 18)
		6054.3	1822.2	309.9	330.1	350.4	116406.4	6.12	W310X454	
61-1895	IZ®	113.2	74.6	57.5	61.5	65.5	869.1	21.17	W14X283	E2 (PZC 18)
		6088	1895.2	280.9	300.4	320	118677.6	6.45	W360X421	
62-1751	IZ®	116.1	68.9	30.2	34.6	38.9	1157.6	21.57	W30X99	E2 (PZC 18)
		6241.3	1751.2	147.6	168.7	189.8	158077	6.57	W760X147	
63-1801	IZ®	117.1	70.9	40.7	44.9	49.1	1059	20.98	W21X166	E2 (PZC 18)
		6297.5	1801.2	198.9	219.4	239.9	144609.9	6.39	W530X248	
63-1742	IZ®	117.3	68.6	33	37.3	41.7	1138.4	21.04	W27X114	E2 (PZC 18)
		6305.2	1742.2	161	182.2	203.4	155462.5	6.41	W690X170	
65-1814	IZ®	120.3	71.4	37.1	41.2	45.4	1141.1	21.57	W24X146	E2 (PZC 18)
		6468.9	1814.2	181	201.4	221.7	155829.9	6.57	W610X217	
65-1826	IZ®	120.8	71.9	68.5	72.7	76.8	939.9	20.19	W12X336	E2 (PZC 18)
		6492.7	1826.2	334.5	354.8	375	128348.8	6.15	W310X500	
65-1898	IZ®	120.8	74.7	61.9	65.9	69.9	949.3	21.27	W14X311	E2 (PZC 18)
		6493.7	1898.2	302.4	321.9	341.4	129639.9	6.48	W360X463	
66-1752	IZ®	123.1	69	31.8	36.1	40.4	1256	21.6	W30X108	E2 (PZC 18)
		6617.2	1752.2	155.1	176.2	197.3	171514.3	6.58	W760X161	
67-1804	IZ®	123.8	71	43.4	47.6	51.8	1142.5	21.04	W21X182	E2 (PZC 18)
		6656.5	1804.2	212	232.5	253	156023.8	6.41	W530X272	

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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)	
69-1740	IZ®	127.4	68.5	35.6	39.9	44.3	1277.4	21.08	W27X129	E2 (PZC 18)
		6849.3	1740.2	173.8	195	216.3	174445.8	6.42	W690X192	
69-1815	IZ®	128.5	71.5	39.8	44	48.1	1249.7	21.6	W24X162	E2 (PZC 18)
		6907.8	1815.2	194.3	214.7	235	170654.2	6.58	W610X241	
70-1753	IZ®	129.5	69	33.2	37.5	41.9	1348.2	21.63	W30X116	E2 (PZC 18)
		6964	1753.2	162.2	183.3	204.4	184103.3	6.59	W760X173	
70-1902	IZ®	129.6	74.9	66.8	70.8	74.8	1045.2	21.37	W14X342	E2 (PZC 18)
		6967	1902.2	326.1	345.6	365	142729.7	6.51	W360X509	
71-1805	IZ®	132.2	71.1	46.6	50.8	55	1249.7	21.11	W21X201	E2 (PZC 18)
		7110	1805.2	227.5	248	268.5	170657.5	6.43	W530X300	
72-1841	IZ®	133.6	72.5	36.6	40.7	44.8	1363.3	22.36	W27X146	E2 (PZC 18)
		7183.3	1841.2	178.8	198.8	218.9	186172.6	6.81	W690X217	
73-1753	IZ®	135.6	69	34.5	38.8	43.1	1435.5	21.67	W30X124	E2 (PZC 18)
		7292	1753.2	168.5	189.6	210.6	196033.7	6.6	W760X185	
73-1813	IZ®	136.1	71.4	42.1	46.2	50.4	1350.2	21.6	W24X176	E2 (PZC 18)
		7319.5	1813.2	205.3	225.7	246.1	184379	6.58	W610X262	
74-1904	IZ®	138.1	75	71.2	75.2	79.2	1137.5	21.44	W14X370	E2 (PZC 18)
		7422.8	1904.2	347.6	367	386.5	155331.1	6.53	W360X551	
76-1754	IZ®	141	69.1	36	40.3	44.6	1518.7	21.7	W30X132	E2 (PZC 18)
		7579.8	1754.2	175.5	196.6	217.7	207397.4	6.61	W760X196	
76-1842	IZ®	142	72.5	39.1	43.2	47.3	1484.6	22.39	W27X161	E2 (PZC 18)
		7633.2	1842.2	191	211.1	231.1	202732.9	6.82	W690X240	
77-1778	IZ®	142.2	70	33	37.3	41.5	1584	22.45	W33X118	E2 (PZC 18)
		7645.8	1778.2	161.3	182	202.8	216315.7	6.84	W840X176	
77-1815	IZ®	143.5	71.5	44.7	48.8	53	1452.7	21.67	W24X192	E2 (PZC 18)
		7714	1815.2	218.1	238.4	258.8	198374.3	6.6	W610X285	
79-1907	IZ®	145.9	75.1	75.6	79.5	83.5	1229.8	21.5	W14X398	E2 (PZC 18)
		7845.9	1907.2	368.9	388.3	407.7	167940.7	6.55	W360X592	

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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)	
81-1844	IZ®	150.7	72.6	41.9	46	50.1	1612.2	22.45	W27X178	E2 (PZC 18)
		8100.2	1844.2	204.4	224.5	244.5	220160.9	6.84	W690X265	
81-1816	IZ®	151.1	71.5	47.2	51.4	55.5	1559.6	21.7	W24X207	E2 (PZC 18)
		8125.7	1816.2	230.5	250.8	271.2	212976.4	6.61	W610X307	
82-1778	IZ®	152.3	70	35.1	39.4	43.6	1742.8	22.49	W33X130	E2 (PZC 18)
		8189.5	1778.2	171.4	192.2	213	237999.2	6.85	W840X193	
82-1752	IZ®	153.3	69	38.7	43.1	47.4	1705.1	21.73	W30X148	E2 (PZC 18)
		8241.4	1752.2	189.2	210.3	231.4	232850.8	6.62	W760X220	
83-1910	IZ®	154.6	75.2	79.9	83.9	87.8	1329.4	21.6	W14X426	E2 (PZC 18)
		8309.6	1910.2	390.1	409.5	428.8	181540.3	6.58	W360X634	
87-1779	IZ®	161.4	70	37	41.2	45.5	1891.6	22.52	W33X141	E2 (PZC 18)
		8679.5	1779.2	180.6	201.3	222.1	258309.3	6.86	W840X210	
87-1819	IZ®	161.5	71.6	50.8	55	59.2	1709	21.8	W24X229	E2 (PZC 18)
		8684.3	1819.2	248.2	268.6	288.9	233377.5	6.64	W610X341	
87-1842	IZ®	161.5	72.5	44.5	48.6	52.8	1769.7	22.45	W27X194	E2 (PZC 18)
		8684.7	1842.2	217.4	237.5	257.6	241668.5	6.84	W690X289	
87-1914	IZ®	162.3	75.4	84.4	88.3	92.3	1424.5	21.7	W14X455	E2 (PZC 18)
		8725.7	1914.2	411.8	431.2	450.5	194526.3	6.61	W360X677	
88-1867	IZ®	163.6	73.5	40.5	44.5	48.6	1867.2	23.21	W30X173	E2 (PZC 18)
		8796	1867.2	197.7	217.5	237.3	254984	7.07	W760X257	
89-1790	IZ®	165.4	70.5	35.7	39.9	44.1	2014.1	23.04	W36X135	E2 (PZC 18)
		8889.9	1790.2	174.2	194.8	215.5	275048.1	7.02	W920X201	
91-1780	IZ®	170	70.1	38.9	43.1	47.4	2034.1	22.59	W33X152	E2 (PZC 18)
		9137.2	1780.2	189.7	210.5	231.3	277778.3	6.88	W840X226	
93-1821	IZ®	172.1	71.7	54.3	58.5	62.6	1862.6	21.86	W24X250	E2 (PZC 18)
		9253.1	1821.2	265.2	285.5	305.8	254357.3	6.66	W610X372	
94-1845	IZ®	174.1	72.6	48.3	52.4	56.5	1961.2	22.55	W27X217	E2 (PZC 18)
		9359.3	1845.2	235.8	255.8	275.9	267826.1	6.87	W690X323	

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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)	
94-1868	IZ®	174.6	73.6	43.4	47.5	51.5	2042.6	23.24	W30X191	E2 (PZC 18)
		9385.4	1868.2	211.9	231.7	251.5	278930	7.08	W760X284	
95-1918	IZ®	176.1	75.5	91.3	95.2	99.2	1596.5	21.8	W14X500	E2 (PZC 18)
		9467.5	1918.2	445.8	465	484.3	218012.1	6.64	W360X744	
97-1790	IZ®	179.5	70.5	38.3	42.5	46.7	2258	23.11	W36X150	E2 (PZC 18)
		9650.8	1790.2	186.9	207.6	228.2	308346.1	7.04	W920X223	
99-1846	IZ®	183.2	72.7	51.3	55.4	59.5	2106.1	22.59	W27X235	E2 (PZC 18)
		9850.8	1846.2	250.6	270.6	290.6	287604.4	6.88	W690X350	
99-1778	IZ®	183.4	70	41.6	45.9	50.1	2259.4	22.59	W33X169	E2 (PZC 18)
		9861.2	1778.2	203.2	224	244.8	308538.9	6.88	W840X251	
100-1824	IZ®	185.4	71.8	59.1	63.2	67.4	2063.4	21.93	W24X279	E2 (PZC 18)
		9969.5	1824.2	288.4	308.7	329	281776.4	6.68	W610X415	
100-1870	IZ®	186.4	73.6	46.6	50.7	54.7	2238.1	23.31	W30X211	E2 (PZC 18)
		10023.7	1870.2	227.6	247.4	267.1	305633.6	7.1	W760X314	
101-1791	IZ®	187.3	70.5	40	44.2	48.4	2399.8	23.14	W36X160	E2 (PZC 18)
		10070.4	1791.2	195.1	215.8	236.4	327709	7.05	W920X238	
102-1786	IZ®	188.8	70.3	38.2	42.4	46.7	2490.7	23.44	W40X149	E2 (PZC 18)
		10150.7	1786.2	186.5	207.2	227.8	340131.8	7.14	W1000X222	
103-1923	IZ®	191.5	75.7	98.8	102.7	106.6	1795.3	21.96	W14X550	E2 (PZC 18)
		10294.7	1923.2	482.2	501.4	520.6	245166.4	6.69	W360X818	
105-1792	IZ®	195.2	70.6	41.7	45.9	50.1	2544.9	23.18	W36X170	E2 (PZC 18)
		10497.3	1792.2	203.4	224	244.6	347532.7	7.06	W920X253	
105-1848	IZ®	195.6	72.8	54.9	59	63.1	2300.9	22.65	W27X258	E2 (PZC 18)
		10514.5	1848.2	268.1	288.1	308.1	314205.6	6.9	W690X384	
106-1886	IZ®	197.7	74.3	44.6	48.6	52.6	2518.6	23.96	W33X201	E2 (PZC 18)
		10630.4	1886.2	217.8	237.4	257	343941.8	7.3	W840X299	
107-1826	IZ®	198.5	71.9	63.4	67.6	71.7	2264.2	21.99	W24X306	E2 (PZC 18)
		10673.8	1826.2	309.6	329.9	350.1	309202.7	6.7	W610X455	

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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)	
109-1868	IZ®	202.2	73.6	50.5	54.6	58.6	2497.6	23.34	W30X235	E2 (PZC 18)
		10873.5	1868.2	246.8	266.6	286.3	341072.1	7.11	W760X350	
110-1793	IZ®	203.6	70.6	43.7	47.9	52.1	2704.2	23.21	W36X182	E2 (PZC 18)
		10947	1793.2	213.3	233.9	254.5	369286.4	7.07	W920X271	
112-1786	IZ®	207.9	70.3	41.2	45.5	49.7	2841.9	23.5	W40X167	E2 (PZC 18)
		11178.5	1786.2	201.4	222.1	242.8	388091.3	7.16	W1000X249	
112-1850	IZ®	208.1	72.8	58.8	62.9	67	2503.6	22.72	W27X281	E2 (PZC 18)
		11185.5	1850.2	286.9	306.9	326.9	341884.9	6.92	W690X419	
112-1928	IZ®	209	75.9	107.7	111.6	115.5	2029.5	22.09	W14X605	E2 (PZC 18)
		11234.2	1928.2	525.7	544.9	564	277148.5	6.73	W360X900	
114-1887	IZ®	211	74.3	47.8	51.8	55.8	2757	24.03	W33X221	E2 (PZC 18)
		11346.4	1887.2	233.5	253.1	272.6	376488.5	7.32	W840X329	
114-1794	IZ®	211.6	70.6	45.6	49.9	54.1	2858	23.24	W36X194	E2 (PZC 18)
		11375.5	1794.2	222.8	243.4	264	390279.2	7.08	W920X289	
114-1829	IZ®	212.2	72	68.2	72.4	76.5	2480.2	22.09	W24X335	E2 (PZC 18)
		11409.3	1829.2	333.1	353.3	373.6	338694.6	6.73	W610X498	
116-1871	IZ®	216.5	73.7	54.8	58.8	62.8	2745.6	23.41	W30X261	E2 (PZC 18)
		11639.9	1871.2	267.3	287.1	306.9	374940.5	7.13	W760X389	
119-1853	IZ®	220.9	73	62.8	66.9	71	2716.6	22.78	W27X307	E2 (PZC 18)
		11875.3	1853.2	306.8	326.7	346.7	370971.7	6.94	W690X457	
120-1795	IZ®	222.2	70.7	48.4	52.6	56.8	3066.7	23.27	W36X210	E2 (PZC 18)
		11946.9	1795.2	236.2	256.8	277.4	418788	7.09	W920X313	
120-1889	IZ®	224	74.4	51	55	59	2991	24.09	W33X241	E2 (PZC 18)
		12040.3	1889.2	249	268.6	288.1	408444.3	7.34	W840X359	
122-1786	IZ®	226	70.3	44	48.2	52.4	3180.3	23.57	W40X183	E2 (PZC 18)
		12147.9	1786.2	214.6	235.3	256	434301.2	7.18	W1000X272	
122-1934	IZ®	227.6	76.1	116.5	120.4	124.3	2294.7	22.26	W14X665	E2 (PZC 18)
		12236.5	1934.2	568.7	587.8	606.9	313362.8	6.78	W360X990	

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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)	
123-1833	IZ®	228.6	72.2	74	78.1	82.2	2746	22.19	W24X370	E2 (PZC 18)
		12290.4	1833.2	361.1	381.3	401.4	374997.4	6.76	W610X551	
123-1904	IZ®	229.4	75	48.7	52.7	56.7	3165.4	24.59	W36X230	E2 (PZC 18)
		12335.8	1904.2	238	257.4	276.8	432259.5	7.49	W920X342	
124-1886	IZ®	229.8	74.3	44.2	48.2	52.2	3273.7	24.82	W40X199	E2 (PZC 18)
		12356.8	1886.2	215.7	235.3	254.9	447047.8	7.56	W1000X296	
126-1873	IZ®	234.9	73.7	59.7	63.7	67.8	3065.2	23.47	W30X292	E2 (PZC 18)
		12628.6	1873.2	291.4	311.1	330.8	418583.8	7.15	W760X434	
127-1856	IZ®	236.2	73.1	67.5	71.6	75.7	2976.2	22.88	W27X336	E2 (PZC 18)
		12699.1	1856.2	329.6	349.5	369.4	406430.2	6.97	W690X500	
129-1905	IZ®	239.9	75	51.2	55.1	59.1	3363.5	24.62	W36X245	E2 (PZC 18)
		12898.2	1905.2	249.8	269.2	288.6	459320.1	7.5	W920X365	
129-1887	IZ®	240.4	74.3	54.6	58.6	62.7	3291.4	24.09	W33X263	E2 (PZC 18)
		12926.9	1887.2	266.7	286.3	305.9	449471.7	7.34	W840X392	
129-1794	IZ®	240.7	70.6	52	56.2	60.4	3420.7	23.31	W36X232	E2 (PZC 18)
		12940.8	1794.2	253.9	274.5	295.1	467124.8	7.1	W920X345	
132-1786	IZ®	246.3	70.3	48.7	53	57.2	3607.8	23.6	W40X211	E2 (PZC 18)
		13239.4	1786.2	237.9	258.6	279.3	492671.4	7.19	W1000X314	
133-1886	IZ®	247.2	74.3	46.9	50.9	54.9	3608	24.88	W40X215	E2 (PZC 18)
		13289.8	1886.2	229	248.6	268.2	492705.5	7.58	W1000X321	
134-1940	IZ®	249.1	76.4	126.1	130	133.9	2605.3	22.42	W14X730	E2 (PZC 18)
		13394.7	1940.2	615.5	634.6	653.6	355775.4	6.83	W360X1086	
135-1906	IZ®	250.2	75	53.5	57.5	61.4	3562.4	24.65	W36X260	E2 (PZC 18)
		13448.9	1906.2	261.2	280.6	300	486474	7.51	W920X387	
136-1858	IZ®	252.4	73.2	72.7	76.8	80.9	3257.3	22.95	W27X368	E2 (PZC 18)
		13571.2	1858.2	355	374.9	394.8	444817.9	6.99	W690X548	
136-1876	IZ®	253.4	73.9	65.1	69.1	73.1	3398.6	23.57	W30X326	E2 (PZC 18)
		13622	1876.2	317.7	337.4	357.1	464107	7.18	W760X484	

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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)	
138-1796	IZ®	256.7	70.7	56.1	60.4	64.6	3748.8	23.37	W36X256	E2 (PZC 18)
		13803.6	1796.2	274.1	294.7	315.3	511928.5	7.12	W920X381	
138-1890	IZ®	257.5	74.4	59.1	63.1	67.1	3614.9	24.19	W33X291	E2 (PZC 18)
		13842.7	1890.2	288.3	307.9	327.4	493647.3	7.37	W840X433	
142-1788	IZ®	263.3	70.4	52.7	56.9	61.2	3972.9	23.67	W40X235	E2 (PZC 18)
		14158	1788.2	257.4	278	298.7	542532.8	7.21	W1000X350	
142-1908	IZ®	264.4	75.1	56.7	60.7	64.7	3843.1	24.72	W36X280	E2 (PZC 18)
		14216.1	1908.2	277	296.3	315.7	524809	7.53	W920X417	
143-1957	IZ®	266.2	77.1	137.3	141.2	145	2850	22.59	W14X808	E2 (PZC 18)
		14309.8	1957.2	670.3	689.2	708.1	389197	6.88	W360X1202	
146-1879	IZ®	271.1	74	70	74	78.1	3725.5	23.67	W30X357	E2 (PZC 18)
		14577.8	1879.2	341.8	361.5	381.2	508753.7	7.21	W760X531	
146-1886	IZ®	271.5	74.3	52.4	56.4	60.4	4118	24.91	W40X249	E2 (PZC 18)
		14595.2	1886.2	255.6	275.2	294.8	562356.2	7.59	W1000X371	
147-1892	IZ®	274.3	74.5	63.3	67.3	71.3	3937.9	24.26	W33X318	E2 (PZC 18)
		14745	1892.2	309.2	328.7	348.3	537760.7	7.39	W840X473	
149-1909	IZ®	277.2	75.2	59.9	63.9	67.8	4097.5	24.75	W36X300	E2 (PZC 18)
		14905	1909.2	292.4	311.8	331.2	559544.6	7.54	W920X446	
151-1886	IZ®	279.9	74.3	49.3	53.3	57.3	4501	25.51	W44X230	E2 (PZC 18)
		15049.9	1886.2	240.7	260.3	279.9	614648.8	7.77	W1100X343	
151-1789	IZ®	280.9	70.4	57.6	61.9	66.1	4367.3	23.73	W40X264	E2 (PZC 18)
		15100.5	1789.2	281.4	302	322.7	596400.2	7.23	W1000X393	
156-1882	IZ®	289.7	74.1	75.5	79.6	83.6	4075.7	23.73	W30X391	E2 (PZC 18)
		15575.2	1882.2	368.8	388.4	408.1	556570.6	7.23	W760X582	
156-1790	IZ®	289.7	70.5	60.1	64.3	68.6	4568.4	23.73	W40X278	E2 (PZC 18)
		15577.7	1790.2	293.5	314.1	334.8	623859.2	7.23	W1000X415	
156-1888	IZ®	290.8	74.3	56.7	60.7	64.8	4532.1	24.98	W40X277	E2 (PZC 18)
		15632.4	1888.2	277	296.6	316.1	618898	7.61	W1000X412	

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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)	
159-1895	IZ®	295.5	74.6	69	73	77	4358	24.32	W33X354	E2 (PZC 18)
		15889.6	1895.2	336.9	356.4	375.9	595128.4	7.41	W840X527	
159-1908	IZ®	295.9	75.1	64.3	68.3	72.2	4475.2	24.78	W36X328	E2 (PZC 18)
		15906.7	1908.2	314	333.4	352.7	611131.1	7.55	W920X488	
162-1888	IZ®	301.3	74.3	60.1	64.1	68.1	4775.1	24.98	W40X297	E2 (PZC 18)
		16197.1	1888.2	293.2	312.8	332.4	652083.4	7.61	W1000X443	
165-1886	IZ®	307.4	74.3	54.5	58.5	62.5	5121	25.57	W44X262	E2 (PZC 18)
		16526.1	1886.2	266.1	285.6	305.2	699322.4	7.79	W1100X390	
169-1911	IZ®	314.4	75.2	69.1	73.1	77	4861.1	24.85	W36X359	E2 (PZC 18)
		16905.5	1911.2	337.3	356.7	376	663826.1	7.57	W920X534	
169-1897	IZ®	315	74.7	74.3	78.3	82.2	4754.2	24.42	W33X387	E2 (PZC 18)
		16936.8	1897.2	362.6	382.1	401.5	649225.4	7.44	W840X576	
173-1890	IZ®	321.3	74.4	64.3	68.3	72.3	5207.6	25.08	W40X324	E2 (PZC 18)
		17273.9	1890.2	314.1	333.6	353.2	711141.8	7.64	W1000X483	
174-1794	IZ®	323.5	70.6	68.1	72.3	76.6	5323.7	23.86	W40X327	E2 (PZC 18)
		17394.8	1794.2	332.6	353.2	373.8	727001.3	7.27	W1000X486	
175-1795	IZ®	325.2	70.7	69	73.2	77.4	5365.6	23.9	W40X331	E2 (PZC 18)
		17483.2	1795.2	336.8	357.4	378	732718	7.28	W1000X494	
177-1888	IZ®	329.1	74.3	59.1	63.1	67.1	5633.3	25.64	W44X290	E2 (PZC 18)
		17691.9	1888.2	288.6	308.2	327.8	769271.9	7.81	W1100X433	
181-1913	IZ®	335.8	75.3	74.6	78.5	82.5	5315.1	24.95	W36X393	E2 (PZC 18)
		18055.2	1913.2	364.1	383.4	402.7	725826.4	7.6	W920X585	
183-1873	IZ®	339.6	73.7	99.7	103.7	107.8	4874.6	23.41	W27X539	E2 (PZC 18)
		18257.9	1873.2	486.7	506.4	526.1	665668.9	7.13	W690X802	
186-1893	IZ®	345.3	74.5	70.3	74.3	78.3	5751.2	25.14	W40X362	E2 (PZC 18)
		18563.3	1893.2	343.4	363	382.5	785383.1	7.66	W1000X539	
189-1894	IZ®	350.6	74.6	71.9	75.9	79.9	5875.2	25.18	W40X372	E2 (PZC 18)
		18847.3	1894.2	351.1	370.6	390.2	802308.9	7.67	W1000X554	

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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)	
192-1891	IZ®	356.6	74.5	65.9	69.9	73.9	6311	25.7	W44X335	E2 (PZC 18)
		19170	1891.2	321.8	341.3	360.9	861817.2	7.83	W1100X499	
196-1917	IZ®	364.3	75.5	81.6	85.6	89.5	5922.9	25.05	W36X439	E2 (PZC 18)
		19585.9	1917.2	398.5	417.8	437.1	808829	7.63	W920X653	
198-1800	IZ®	367.4	70.9	79.1	83.3	87.5	6339.5	24.06	W40X392	E2 (PZC 18)
		19751.5	1800.2	386	406.6	427.1	865720.8	7.33	W1000X584	
198-1895	IZ®	369.1	74.6	75.9	79.9	83.9	6292.7	25.21	W40X397	E2 (PZC 18)
		19844.5	1895.2	370.4	389.9	409.4	859326.2	7.68	W1000X591	
210-1898	IZ®	390.3	74.7	81.3	85.2	89.2	6784.2	25.31	W40X431	E2 (PZC 18)
		20983.9	1898.2	396.7	416.2	435.7	926444.9	7.71	W1000X642	
225-1923	IZ®	419	75.7	95.2	99.2	103.1	7134.6	25.24	W36X527	E2 (PZC 18)
		22526.8	1923.2	465	484.2	503.5	974294.4	7.69	W920X784	
236-1903	IZ®	438.8	74.9	92.6	96.6	100.6	7929.9	25.47	W40X503	E2 (PZC 18)
		23591.5	1903.2	452.2	471.6	491	1082892.7	7.76	W1000X748	
266-1932	IZ®	494.6	76.1	114.1	118	121.9	8884.8	25.51	W36X650	E2 (PZC 18)
		26589.9	1932.2	557.1	576.2	595.4	1213302.7	7.77	W920X967	
269-1910	IZ®	500	75.2	107	111	114.9	9421.1	25.67	W40X593	E2 (PZC 18)
		26883.6	1910.2	522.4	541.8	561.1	1286540.1	7.82	W1000X883	
316-1943	IZ®	588	76.5	136.6	140.5	144.4	11157.2	25.83	W36X798	E2 (PZC 18)
		31610.7	1943.2	667.1	686.1	705.1	1523621.3	7.87	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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