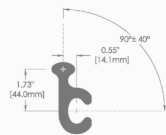


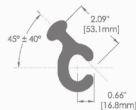
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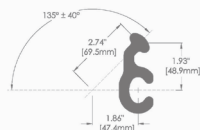
PilePro® Sheet Pile Connectors



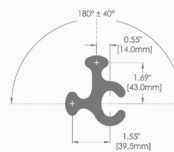
PZ 90



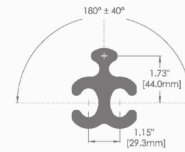
Colt



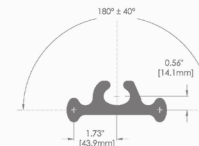
Cobra



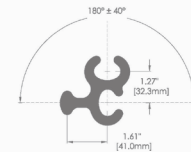
PZ Tee



Joker



Bullhead



PZT-S

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



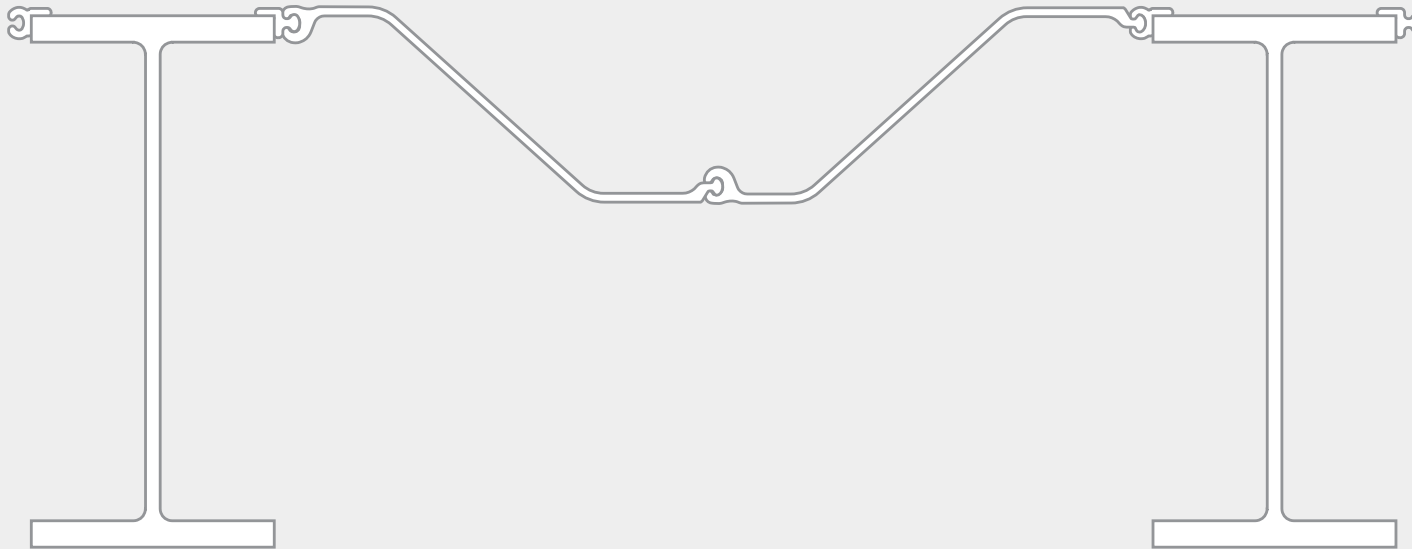
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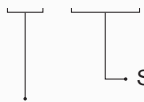


Configuration D1 (PZC 13)



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)	
27-1836	IZ®	50.7	72.3	27.9	31.7	35.5	321.1	19.04	W14X99	D1 (PZC 13)
		2725.8	1836.4	136.2	154.8	173.4	43854.3	5.8	W360X147	
28-1673	IZ®	51.1	65.9	21.3	25.5	29.7	359.7	17.99	W21X48	D1 (PZC 13)
		2748	1673.4	104	124.4	144.9	49115.3	5.48	W530X72	
28-1658	IZ®	51.3	65.3	23.7	27.9	32.1	352	17.37	W18X60	D1 (PZC 13)
		2758.5	1658.4	115.8	136.4	157	48064.5	5.29	W460X89	
28-1779	IZ®	52.2	70.1	32.4	36.3	40.3	320.7	18.06	W12X120	D1 (PZC 13)
		2808.8	1779.4	158.2	177.4	196.6	43800.3	5.5	W310X179	
28-1727	IZ®	52.7	68	25.9	30	34	354.7	17.99	W16X77	D1 (PZC 13)
		2833.7	1727.4	126.6	146.4	166.1	48434.4	5.48	W410X114	
28-1632	IZ®	52.9	64.3	22.2	26.5	30.8	376.1	17.47	W21X50	D1 (PZC 13)
		2843.7	1632.4	108.4	129.3	150.3	51354.4	5.32	W530X74	
28-1844	IZ®	52.9	72.6	30.7	34.5	38.3	338.4	19.07	HP14x117	D1 (PZC 13)
		2844.3	1844.2	150	168.6	187.1	46208.8	5.81	HP360x174	
29-1866	IZ®	53.2	73.5	27.9	31.6	35.4	353.5	19.63	HP16x101	D1 (PZC 13)
		2860	1866.4	136	154.3	172.7	48266.8	5.98	HP410x151	
29-1659	IZ®	53.3	65.3	24.6	28.8	33	370	17.4	W18X65	D1 (PZC 13)
		2865.4	1659.4	119.9	140.5	161.1	50531.7	5.3	W460X97	
29-1837	IZ®	53.5	72.3	29.5	33.3	37.2	343.1	19.07	W14X109	D1 (PZC 13)
		2878.4	1837.4	144.2	162.8	181.4	46853.4	5.81	W360X162	
30-1675	IZ®	55.2	66	22.6	26.8	31	397.9	18.02	W21X55	D1 (PZC 13)
		2968.9	1675.4	110.4	130.8	151.2	54343.2	5.49	W530X82	
30-1660	IZ®	55.5	65.4	25.7	29.9	34.1	390.7	17.43	W18X71	D1 (PZC 13)
		2982.2	1660.4	125.6	146.1	166.7	53355.1	5.31	W460X106	
30-1781	IZ®	56	70.1	35.1	39	42.9	350.5	18.12	W12X136	D1 (PZC 13)
		3013	1781.4	171.2	190.4	209.6	47870.5	5.52	W310X202	
30-1839	IZ®	56.4	72.4	31.3	35.1	38.9	366.1	19.11	W14X120	D1 (PZC 13)
		3034.3	1839.4	153	171.6	190.2	49996	5.82	W360X179	

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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)	
31-1746	IZ®	56.7	68.8	25.3	29.3	33.3	399.3	18.52	W18X76	D1 (PZC 13)
		3046.6	1746.4	123.4	143	162.5	54527.9	5.64	W460X113	
31-1729	IZ®	56.8	68.1	28	32.1	36.1	390	18.06	W16X89	D1 (PZC 13)
		3053.4	1729.4	136.9	156.6	176.4	53261.2	5.5	W410X132	
31-1632	IZ®	57.1	64.3	23.5	27.8	32.1	416	17.5	W21X57	D1 (PZC 13)
		3069.2	1632.4	114.7	135.6	156.6	56804.5	5.33	W530X85	
32-1870	IZ®	59	73.6	31.1	34.8	38.6	402.8	19.7	HP16x121	D1 (PZC 13)
		3171.1	1869.6	151.8	170.1	188.3	55008.9	6	HP410x181	
32-1675	IZ®	59.3	66	23.9	28	32.2	437.2	18.06	W21X62	D1 (PZC 13)
		3190.4	1675.4	116.5	136.9	157.2	59708.4	5.5	W530X92	
32-1840	IZ®	59.7	72.5	33.2	37	40.9	392.1	19.14	W14X132	D1 (PZC 13)
		3210.1	1840.4	162.3	180.9	199.4	53547.9	5.83	W360X196	
32-1783	IZ®	60.1	70.2	37.8	41.7	45.7	382.8	18.19	W12X152	D1 (PZC 13)
		3233.3	1783.4	184.7	203.8	223	52277.4	5.54	W310X226	
33-1748	IZ®	60.6	68.8	27	31	35	435.9	18.58	W18X86	D1 (PZC 13)
		3260.7	1748.4	131.8	151.3	170.9	59519.8	5.66	W460X128	
33-1731	IZ®	60.7	68.2	30	34	38	425.1	18.09	W16X100	D1 (PZC 13)
		3263.8	1731.4	146.2	166	185.7	58056.8	5.51	W410X149	
33-1644	IZ®	62.1	64.7	23	27.3	31.5	476	18.09	W24X55	D1 (PZC 13)
		3340.9	1644.4	112.5	133.2	154	65006.2	5.51	W610X82	
34-1676	IZ®	62.5	66	24.9	29.1	33.2	468.8	18.09	W21X68	D1 (PZC 13)
		3361.2	1676.4	121.5	141.9	162.3	64024.8	5.51	W530X101	
34-1860	IZ®	63	73.2	35	38.8	42.6	418.2	19.4	W14X145	D1 (PZC 13)
		3385.8	1860.4	171.1	189.5	207.9	57105.1	5.91	W360X216	
35-1873	IZ®	64.5	73.7	34.3	38	41.8	449.4	19.73	HP16x141	D1 (PZC 13)
		3470.3	1872.8	167.5	185.7	204	61368.3	6.01	HP410x211	
35-1785	IZ®	64.7	70.3	40.8	44.8	48.7	419.9	18.25	W12X170	D1 (PZC 13)
		3476.1	1785.4	199.4	218.6	237.7	57337.7	5.56	W310X253	

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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)	
35-1677	IZ®	64.9	66	25.8	30	34.2	493.6	18.12	W21X73	D1 (PZC 13)
		3490.8	1677.4	126.2	146.5	166.9	67411.2	5.52	W530X109	
35-1749	IZ®	65	68.9	28.9	32.9	36.9	477.3	18.62	W18X97	D1 (PZC 13)
		3496.4	1749.4	141.2	160.7	180.2	65183.6	5.67	W460X144	
36-1645	IZ®	66.5	64.8	24.3	28.5	32.8	521.8	18.12	W24X62	D1 (PZC 13)
		3573.2	1645.4	118.6	139.3	160.1	71261.5	5.52	W610X92	
36-1861	IZ®	66.8	73.3	37.4	41.1	44.9	450.1	19.44	W14X159	D1 (PZC 13)
		3591.4	1861.4	182.4	200.8	219.1	61469.8	5.92	W360X237	
37-1750	IZ®	68.2	68.9	30.5	34.5	38.4	508.9	18.65	W18X106	D1 (PZC 13)
		3668.2	1750.4	148.7	168.2	187.7	69496.6	5.68	W460X158	
37-1917	IZ®	68.5	75.5	32.5	36.2	39.8	503.7	20.58	HP18x135	D1 (PZC 13)
		3683	1917.2	158.9	176.7	194.5	68784.2	6.27	HP360x202	
37-1678	IZ®	69.5	66.1	27.5	31.7	35.9	541.7	18.16	W21X83	D1 (PZC 13)
		3737.4	1678.4	134.5	154.8	175.2	73968.6	5.53	W530X123	
37-1788	IZ®	69.6	70.4	44.1	48	51.9	462.3	18.32	W12X190	D1 (PZC 13)
		3742.5	1788.4	215.3	234.4	253.5	63133.1	5.58	W310X283	
38-1694	IZ®	70.1	66.7	24.6	28.8	32.9	559.1	18.78	W24X68	D1 (PZC 13)
		3767.3	1694.4	120.3	140.4	160.6	76350.2	5.72	W610X101	
38-1876	IZ®	70.6	73.9	37.6	41.3	45	503.4	19.83	HP16x162	D1 (PZC 13)
		3796.4	1876	183.4	201.6	219.8	68743.2	6.04	HP410x242	
38-1864	IZ®	71.3	73.4	40.1	43.8	47.6	490	19.5	W14X176	D1 (PZC 13)
		3835.7	1864.4	195.6	213.9	232.2	66910.9	5.94	W360X262	
40-1752	IZ®	73.5	69	32.7	36.7	40.7	560.8	18.68	W18X119	D1 (PZC 13)
		3951.6	1752.4	159.7	179.2	198.7	76586.5	5.69	W460X177	
40-1680	IZ®	74	66.2	29.3	33.5	37.7	590.8	18.19	W21X93	D1 (PZC 13)
		3980.2	1680.4	143.2	163.5	183.9	80672.8	5.54	W530X138	
40-1791	IZ®	74.6	70.5	47.5	51.4	55.3	506.6	18.42	W12X210	D1 (PZC 13)
		4009	1791.4	232.1	251.1	270.2	69181.5	5.61	W310X313	

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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)	
40-1920	IZ®	75.1	75.6	35.9	39.5	43.2	564.8	20.65	HP18x157	D1 (PZC 13)
		4036.4	1920.4	175.2	193	210.8	77132.7	6.29	HP360x234	
41-1694	IZ®	75.3	66.7	26.1	30.2	34.3	616.5	18.81	W24X76	D1 (PZC 13)
		4050.5	1694.4	127.2	147.4	167.5	84188.5	5.73	W610X113	
41-1886	IZ®	76.3	74.2	40.9	44.6	48.3	555	19.96	HP16x183	D1 (PZC 13)
		4100.5	1885.5	199.7	217.8	235.9	75791.3	6.08	HP410x272	
41-1865	IZ®	76.4	73.4	42.8	46.6	50.3	533.7	19.57	W14X193	D1 (PZC 13)
		4107.2	1865.4	209	227.3	245.6	72879.2	5.96	W360X287	
42-1778	IZ®	77.2	70	29.2	33.1	37	619.8	19.47	W21X101	D1 (PZC 13)
		4149.2	1778.4	142.4	161.6	180.8	84635.7	5.93	W530X150	
42-1749	IZ®	78.5	68.9	34.7	38.7	42.7	612	18.71	W18X130	D1 (PZC 13)
		4222.7	1749.4	169.4	188.9	208.5	83571	5.7	W460X193	
43-1794	IZ®	80.1	70.6	50.9	54.8	58.7	555.3	18.48	W12X230	D1 (PZC 13)
		4304.3	1794.4	248.3	267.3	286.4	75825.8	5.63	W310X342	
43-1695	IZ®	80.3	66.7	27.5	31.6	35.7	671.9	18.85	W24X84	D1 (PZC 13)
		4315.8	1695.4	134.1	154.2	174.4	91755.9	5.74	W610X125	
44-1779	IZ®	81.3	70.1	30.9	34.8	38.7	665.3	19.5	W21X111	D1 (PZC 13)
		4372.9	1779.4	150.7	169.9	189.1	90855.6	5.94	W530X165	
44-1867	IZ®	81.5	73.5	45.7	49.4	53.2	578.8	19.6	W14X211	D1 (PZC 13)
		4379	1867.4	223	241.3	259.6	79041.5	5.97	W360X314	
45-1924	IZ®	82.9	75.7	39.6	43.2	46.9	639.2	20.72	HP18x181	D1 (PZC 13)
		4456.3	1923.6	193.3	211.1	228.9	87284.3	6.31	HP360x269	
45-1751	IZ®	83.8	69	36.9	40.9	44.9	666	18.75	W18X143	D1 (PZC 13)
		4504	1751.4	180	199.5	219	90954.8	5.71	W460X213	
46-1796	IZ®	85.4	70.7	54.5	58.4	62.3	605.8	18.55	W12X252	D1 (PZC 13)
		4590.8	1796.4	265.9	284.9	304	82733.6	5.65	W310X375	
46-1696	IZ®	86	66.8	29.3	33.5	37.6	739.9	18.88	W24X94	D1 (PZC 13)
		4623.4	1696.4	143.2	163.4	183.5	101033.8	5.75	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)	
46-1781	IZ®	86.2	70.1	32.6	36.6	40.5	719.8	19.53	W21X122	D1 (PZC 13)
		4636	1781.4	159.3	178.5	197.7	98297.1	5.95	W530X182	
47-1870	IZ®	87.5	73.6	49.2	53	56.7	635.2	19.7	W14X233	D1 (PZC 13)
		4702.3	1870.4	240.3	258.6	276.8	86744.2	6	W360X347	
48-1790	IZ®	88.8	70.5	29.5	33.4	37.3	773	20.06	W24X104	D1 (PZC 13)
		4774.2	1790.4	144.1	163.1	182.2	105564.6	6.11	W610X155	
48-1719	IZ®	88.8	67.7	27.2	31.2	35.3	792.8	19.57	W27X84	D1 (PZC 13)
		4775.5	1719.4	132.7	152.5	172.4	108269.5	5.96	W690X125	
48-1753	IZ®	89.2	69	39.4	43.4	47.4	724.6	18.81	W18X158	D1 (PZC 13)
		4798.1	1753.4	192.3	211.8	231.3	98949.6	5.73	W460X235	
49-1927	IZ®	90.4	75.9	43.3	46.9	50.6	716	20.78	HP18x204	D1 (PZC 13)
		4861.4	1926.8	211.4	229.2	246.9	97770	6.33	HP460x304	
49-1782	IZ®	90.7	70.2	34.3	38.3	42.2	769.1	19.57	W21X132	D1 (PZC 13)
		4874.7	1782.4	167.6	186.8	205.9	105033	5.96	W530X196	
49-1695	IZ®	91.6	66.7	30.9	35	39.1	805.7	18.88	W24X103	D1 (PZC 13)
		4922.1	1695.4	150.7	170.9	191	110019.2	5.75	W610X153	
50-1800	IZ®	92.7	70.9	58.8	62.7	66.6	677.2	18.65	W12X279	D1 (PZC 13)
		4983.1	1800.4	287.1	306.1	325.1	92479.9	5.68	W310X415	
51-1872	IZ®	94.2	73.7	53.1	56.9	60.6	700.3	19.76	W14X257	D1 (PZC 13)
		5062.2	1872.4	259.3	277.6	295.8	95627.9	6.02	W360X382	
52-1791	IZ®	95.7	70.5	31.6	35.5	39.5	855.9	20.09	W24X117	D1 (PZC 13)
		5147.7	1791.4	154.5	173.6	192.6	116883.1	6.12	W610X174	
52-1720	IZ®	96.1	67.7	28.8	32.9	37	882.5	19.63	W27X94	D1 (PZC 13)
		5166.6	1720.4	140.8	160.7	180.5	120519.1	5.98	W690X140	
52-1755	IZ®	96.3	69.1	42.3	46.3	50.2	801.1	18.88	W18X175	D1 (PZC 13)
		5177.3	1755.4	206.4	225.9	245.3	109403.1	5.75	W460X260	
52-1784	IZ®	97.3	70.3	36.9	40.8	44.7	845.7	19.63	W21X147	D1 (PZC 13)
		5230.2	1784.4	180.2	199.3	218.5	115493.4	5.98	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)	
54-1802	IZ®	100.2	71	63.2	67.1	71	753.7	18.75	W12X305	D1 (PZC 13)
		5387.1	1802.4	308.6	327.6	346.5	102918.2	5.71	W310X454	
55-1720	IZ®	101.9	67.7	30.3	34.4	38.5	957.1	19.67	W27X102	D1 (PZC 13)
		5480	1720.4	148.1	168	187.8	130699.9	5.99	W690X152	
55-1875	IZ®	102	73.8	57.2	61	64.7	776.8	19.83	W14X283	D1 (PZC 13)
		5484.2	1875.4	279.4	297.6	315.9	106079.2	6.04	W360X421	
55-1730	IZ®	102.5	68.1	27.9	32	36	990.5	20.19	W30X90	D1 (PZC 13)
		5512.4	1730.4	136.3	156.1	175.8	135261.8	6.15	W760X134	
55-1793	IZ®	103.1	70.6	34	37.9	41.8	947.5	20.16	W24X131	D1 (PZC 13)
		5543.3	1793.4	166.1	185.2	204.2	129393.9	6.14	W610X195	
58-1781	IZ®	108	70.1	40.2	44.1	48.1	969.9	19.63	W21X166	D1 (PZC 13)
		5804.1	1781.4	196.3	215.5	234.7	132452.5	5.98	W530X248	
58-1731	IZ®	108.1	68.2	29.6	33.6	37.7	1072.4	20.22	W30X99	D1 (PZC 13)
		5814.3	1731.4	144.4	164.2	183.9	146448.8	6.16	W760X147	
58-1806	IZ®	108.7	71.1	68.3	72.2	76.1	841.8	18.85	W12X336	D1 (PZC 13)
		5842.4	1806.4	333.6	352.5	371.4	114951.4	5.74	W310X500	
59-1722	IZ®	108.8	67.8	32.4	36.4	40.5	1050.7	19.7	W27X114	D1 (PZC 13)
		5852.1	1722.4	157.9	177.8	197.6	143480.4	6	W690X170	
59-1878	IZ®	109.8	74	61.7	65.4	69.1	857.8	19.93	W14X311	D1 (PZC 13)
		5903.7	1878.4	301.1	319.3	337.5	117135.5	6.07	W360X463	
60-1794	IZ®	111.9	70.6	36.5	40.4	44.3	1055.7	20.22	W24X146	D1 (PZC 13)
		6017.5	1794.4	178.3	197.3	216.4	144168.7	6.16	W610X217	
62-1784	IZ®	114.8	70.3	42.9	46.9	50.8	1054.2	19.7	W21X182	D1 (PZC 13)
		6171.6	1784.4	209.7	228.8	247.9	143965.9	6	W530X272	
62-1732	IZ®	115.3	68.2	31.1	35.2	39.2	1171.7	20.26	W30X108	D1 (PZC 13)
		6197.6	1732.4	152.1	171.8	191.5	160004.6	6.17	W760X161	
64-1882	IZ®	118.9	74.1	66.6	70.3	74	954.4	20.03	W14X342	D1 (PZC 13)
		6391.7	1882.4	325.1	343.2	361.4	130332.8	6.1	W360X509	

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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)	
64-1720	IZ®	119.1	67.7	35	39.1	43.1	1190.5	19.73	W27X129	D1 (PZC 13)
		6405.1	1720.4	170.9	190.8	210.6	162577.8	6.01	W690X192	
65-1795	IZ®	120.2	70.7	39.3	43.2	47.1	1165.1	20.26	W24X162	D1 (PZC 13)
		6464.9	1795.4	191.8	210.8	229.8	159105.2	6.17	W610X241	
66-1733	IZ®	121.8	68.2	32.6	36.6	40.7	1264.6	20.29	W30X116	D1 (PZC 13)
		6549.7	1733.4	159.2	178.9	198.6	172688.1	6.18	W760X173	
66-1785	IZ®	123.4	70.3	46.2	50.1	54	1162.1	19.76	W21X201	D1 (PZC 13)
		6634	1785.4	225.4	244.5	263.6	158697.5	6.02	W530X300	
68-1821	IZ®	126.1	71.7	36.1	39.9	43.7	1283	21.01	W27X146	D1 (PZC 13)
		6779.2	1821.4	176.1	194.8	213.6	175207.6	6.4	W690X217	
69-1884	IZ®	127.6	74.2	71	74.7	78.5	1047.3	20.09	W14X370	D1 (PZC 13)
		6858.7	1884.4	346.8	365	383.1	143013.9	6.12	W360X551	
69-1733	IZ®	128	68.2	33.9	37.9	42	1352.5	20.32	W30X124	D1 (PZC 13)
		6881.9	1733.4	165.6	185.3	205	184698.5	6.19	W760X185	
69-1793	IZ®	128	70.6	41.6	45.5	49.4	1266.1	20.26	W24X176	D1 (PZC 13)
		6882.1	1793.4	202.9	222	241	172901.2	6.17	W610X262	
72-1734	IZ®	133.4	68.3	35.4	39.4	43.4	1436.3	20.35	W30X132	D1 (PZC 13)
		7173.7	1734.4	172.7	192.4	212.1	196143	6.2	W760X196	
72-1822	IZ®	134.6	71.7	38.6	42.4	46.3	1405.2	21.04	W27X161	D1 (PZC 13)
		7235.9	1822.4	188.5	207.2	226	191890.4	6.41	W690X240	
73-1758	IZ®	135.2	69.2	32.4	36.4	40.4	1505.3	21.11	W33X118	D1 (PZC 13)
		7266.6	1758.4	158.3	177.7	197.1	205561.3	6.43	W840X176	
73-1795	IZ®	135.5	70.7	44.2	48.1	52	1369.3	20.32	W24X192	D1 (PZC 13)
		7282.5	1795.4	215.8	234.8	253.9	186985.5	6.19	W610X285	
73-1887	IZ®	135.7	74.3	75.4	79.1	82.9	1140.2	20.16	W14X398	D1 (PZC 13)
		7293.3	1887.4	368.3	386.4	404.5	155707.8	6.14	W360X592	
77-1796	IZ®	143.2	70.7	46.8	50.7	54.6	1476.8	20.35	W24X207	D1 (PZC 13)
		7699.8	1796.4	228.4	247.4	266.4	201676	6.2	W610X307	

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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)	
77-1824	IZ®	143.4	71.8	41.4	45.2	49.1	1533.7	21.11	W27X178	D1 (PZC 13)
		7708.8	1824.4	202	220.8	239.5	209436.2	6.43	W690X265	
78-1890	IZ®	144.5	74.4	79.8	83.5	87.2	1240.4	20.26	W14X426	D1 (PZC 13)
		7767.1	1890.4	389.7	407.8	425.9	169388.6	6.17	W360X634	
78-1758	IZ®	145.4	69.2	34.5	38.5	42.5	1665	21.14	W33X130	D1 (PZC 13)
		7814.5	1758.4	168.6	188	207.4	227372.7	6.44	W840X193	
78-1732	IZ®	145.8	68.2	38.2	42.2	46.3	1623.5	20.39	W30X148	D1 (PZC 13)
		7839.9	1732.4	186.5	206.2	225.9	221704.8	6.21	W760X220	
82-1894	IZ®	152.4	74.6	84.3	88	91.7	1336.1	20.35	W14X455	D1 (PZC 13)
		8193.1	1894.4	411.7	429.7	447.8	182456.2	6.2	W360X677	
83-1799	IZ®	153.7	70.8	50.4	54.3	58.2	1627.1	20.45	W24X229	D1 (PZC 13)
		8265.2	1799.4	246.3	265.3	284.3	222193.3	6.23	W610X341	
83-1822	IZ®	154.3	71.7	44.1	47.9	51.8	1691.8	21.11	W27X194	D1 (PZC 13)
		8297.3	1822.4	215.2	233.9	252.7	231035.4	6.43	W690X289	
83-1759	IZ®	154.5	69.3	36.4	40.4	44.4	1814.6	21.17	W33X141	D1 (PZC 13)
		8307.7	1759.4	177.8	197.2	216.7	247793	6.45	W840X210	
84-1847	IZ®	156.9	72.7	40	43.8	47.6	1793.1	21.86	W30X173	D1 (PZC 13)
		8435	1847.4	195.3	213.8	232.3	244857.5	6.66	W760X257	
85-1770	IZ®	158.7	69.7	35.1	39.1	43	1939.8	21.7	W36X135	D1 (PZC 13)
		8534.3	1770.4	171.4	190.7	210	264901.4	6.61	W920X201	
88-1760	IZ®	163.1	69.3	38.3	42.3	46.3	1957.9	21.24	W33X152	D1 (PZC 13)
		8768	1760.4	187.1	206.5	225.9	267362.4	6.47	W840X226	
88-1801	IZ®	164.4	70.9	54	57.8	61.7	1781.4	20.52	W24X250	D1 (PZC 13)
		8839.2	1801.4	263.5	282.4	301.4	243271.3	6.25	W610X372	
90-1898	IZ®	166.5	74.7	91.3	95	98.7	1508.9	20.45	W14X500	D1 (PZC 13)
		8949.4	1898.4	446	464	482	206060	6.23	W360X744	
90-1825	IZ®	167	71.9	47.9	51.7	55.5	1884.4	21.21	W27X217	D1 (PZC 13)
		8977.9	1825.4	233.8	252.5	271.2	257334.4	6.46	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)	
90-1848	IZ®	167.9	72.8	42.9	46.7	50.5	1969.3	21.9	W30X191	D1 (PZC 13)
		9028.7	1848.4	209.6	228.1	246.6	268931.6	6.67	W760X284	
93-1770	IZ®	172.9	69.7	37.7	41.7	45.6	2184.7	21.77	W36X150	D1 (PZC 13)
		9296.9	1770.4	184.3	203.6	222.9	298343.7	6.63	W920X223	
95-1826	IZ®	176.2	71.9	50.9	54.8	58.6	2030	21.24	W27X235	D1 (PZC 13)
		9473.5	1826.4	248.7	267.4	286.1	277209.8	6.47	W690X350	
95-1758	IZ®	176.6	69.2	41.1	45.1	49.1	2183.9	21.24	W33X169	D1 (PZC 13)
		9493.1	1758.4	200.7	220.1	239.6	298227.4	6.47	W840X251	
96-1804	IZ®	177.9	71	58.8	62.6	66.5	1983.1	20.58	W24X279	D1 (PZC 13)
		9561.9	1804.4	286.9	305.9	324.8	270809.9	6.27	W610X415	
97-1850	IZ®	179.9	72.9	46.2	50	53.7	2165.9	21.96	W30X211	D1 (PZC 13)
		9670.9	1850.4	225.5	244	262.4	295767.7	6.69	W760X314	
97-1771	IZ®	180.7	69.7	39.4	43.4	47.3	2327.1	21.8	W36X160	D1 (PZC 13)
		9717.6	1771.4	192.6	211.9	231.1	317790.2	6.64	W920X238	
98-1903	IZ®	182.1	74.9	98.9	102.6	106.2	1708.7	20.62	W14X550	D1 (PZC 13)
		9790.8	1903.4	482.8	500.7	518.7	233337.3	6.28	W360X818	
98-1766	IZ®	182.4	69.5	37.6	41.6	45.6	2419.7	22.09	W40X149	D1 (PZC 13)
		9806	1766.4	183.8	203.1	222.5	330434.8	6.73	W1000X222	
101-1828	IZ®	188.6	72	54.6	58.4	62.2	2225.6	21.31	W27X258	D1 (PZC 13)
		10140.9	1828.4	266.4	285.1	303.8	303922.1	6.49	W690X384	
102-1772	IZ®	188.7	69.8	41.1	45.1	49	2472.9	21.83	W36X170	D1 (PZC 13)
		10145.4	1772.4	200.9	220.2	239.4	337695	6.65	W920X253	
103-1806	IZ®	191	71.1	63.2	67	70.9	2184.7	20.65	W24X306	D1 (PZC 13)
		10271.2	1806.4	308.4	327.3	346.2	298342.7	6.29	W610X455	
103-1866	IZ®	191.5	73.5	44.2	47.9	51.7	2450.1	22.62	W33X201	D1 (PZC 13)
		10296.3	1866.4	215.6	233.9	252.2	334584.4	6.89	W840X299	
105-1848	IZ®	195.7	72.8	50.2	53.9	57.7	2426.3	21.99	W30X235	D1 (PZC 13)
		10523	1848.4	244.9	263.3	281.8	331329.6	6.7	W760X350	

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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)	
106-1773	IZ®	197.1	69.8	43.2	47.2	51.1	2632.8	21.86	W36X182	D1 (PZC 13)
		10596.2	1773.4	211	230.2	249.5	359529.4	6.66	W920X271	
107-1908	IZ®	199.8	75.1	107.9	111.6	115.2	1943.8	20.75	W14X605	D1 (PZC 13)
		10744.1	1908.4	526.7	544.6	562.5	265442.2	6.32	W360X900	
108-1830	IZ®	201.2	72.1	58.5	62.3	66.1	2429.1	21.37	W27X281	D1 (PZC 13)
		10815.6	1830.4	285.4	304.1	322.8	331711.8	6.51	W690X419	
108-1766	IZ®	201.5	69.5	40.7	44.7	48.7	2772.1	22.16	W40X167	D1 (PZC 13)
		10832.2	1766.4	198.9	218.2	237.6	378554.2	6.75	W1000X249	
110-1809	IZ®	204.8	71.2	68	71.9	75.8	2401.5	20.75	W24X335	D1 (PZC 13)
		11011.5	1809.4	332.1	351	369.9	327939.4	6.32	W610X498	
110-1867	IZ®	204.9	73.5	47.4	51.1	54.9	2689.4	22.68	W33X221	D1 (PZC 13)
		11014.4	1867.4	231.4	249.7	268	367265.1	6.91	W840X329	
110-1774	IZ®	205.1	69.9	45.2	49.1	53.1	2787	21.9	W36X194	D1 (PZC 13)
		11025.6	1774.4	220.6	239.8	259.1	380594.6	6.67	W920X289	
113-1851	IZ®	210.1	72.9	54.4	58.2	62	2675.4	22.06	W30X261	D1 (PZC 13)
		11293.4	1851.4	265.7	284.1	302.6	365344.6	6.72	W760X389	
115-1833	IZ®	214.1	72.2	62.6	66.4	70.2	2642.9	21.44	W27X307	D1 (PZC 13)
		11508.9	1833.4	305.5	324.2	342.8	360910.3	6.53	W690X457	
116-1775	IZ®	215.7	69.9	48	51.9	55.8	2996.5	21.93	W36X210	D1 (PZC 13)
		11598.3	1775.4	234.1	253.4	272.6	409199.5	6.68	W920X313	
117-1869	IZ®	217.8	73.6	50.6	54.4	58.1	2924.3	22.75	W33X241	D1 (PZC 13)
		11710.2	1869.4	247.1	265.4	283.7	399344.7	6.93	W840X359	
118-1914	IZ®	218.7	75.4	116.8	120.4	124.1	2210	20.91	W14X665	D1 (PZC 13)
		11760.6	1914.4	570.2	588	605.9	301791.9	6.37	W360X990	
118-1766	IZ®	219.4	69.5	43.5	47.4	51.4	3111.4	22.22	W40X183	D1 (PZC 13)
		11798.1	1766.4	212.2	231.6	250.9	424884	6.77	W1000X272	
119-1813	IZ®	221.3	71.4	73.8	77.7	81.5	2668.1	20.85	W24X370	D1 (PZC 13)
		11897.5	1813.4	360.4	379.2	398.1	364359.5	6.35	W610X551	

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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)	
120-1884	IZ®	223.5	74.2	48.3	52.1	55.8	3101.1	23.24	W36X230	D1 (PZC 13)
		12013.7	1884.4	236	254.1	272.3	423479.1	7.08	W920X342	
120-1866	IZ®	223.8	73.5	43.7	47.5	51.2	3210.2	23.47	W40X199	D1 (PZC 13)
		12033.1	1866.4	213.5	231.8	250.1	438379.2	7.15	W1000X296	
123-1853	IZ®	228.5	73	59.4	63.2	66.9	2996.1	22.13	W30X292	D1 (PZC 13)
		12285.1	1853.4	289.9	308.4	326.8	409146.9	6.74	W760X434	
123-1836	IZ®	229.5	72.3	67.3	71.1	74.9	2903.5	21.54	W27X336	D1 (PZC 13)
		12336.2	1836.4	328.5	347.1	365.7	396494.8	6.56	W690X500	
126-1885	IZ®	233.9	74.2	50.8	54.5	58.2	3300	23.27	W36X245	D1 (PZC 13)
		12577.1	1885.4	248	266.1	284.2	450639.4	7.09	W920X365	
126-1774	IZ®	234.2	69.9	51.6	55.6	59.5	3351.2	21.96	W36X232	D1 (PZC 13)
		12589.9	1774.4	252	271.2	290.5	457634.2	6.69	W920X345	
126-1867	IZ®	234.3	73.5	54.3	58	61.8	3225.7	22.75	W33X263	D1 (PZC 13)
		12597	1867.4	265.1	283.4	301.7	440492.5	6.93	W840X392	
129-1766	IZ®	239.7	69.5	48.3	52.3	56.2	3539.8	22.26	W40X211	D1 (PZC 13)
		12888.9	1766.4	235.8	255.1	274.5	483392.5	6.78	W1000X314	
129-1920	IZ®	240.5	75.6	126.5	130.1	133.8	2521.6	21.08	W14X730	D1 (PZC 13)
		12931.4	1920.4	617.5	635.3	653	344342.5	6.42	W360X1086	
130-1866	IZ®	241.1	73.5	46.5	50.2	54	3545.6	23.54	W40X215	D1 (PZC 13)
		12964.3	1866.4	226.9	245.2	263.5	484181.9	7.17	W1000X321	
131-1886	IZ®	244.2	74.3	53.1	56.9	60.6	3499.5	23.31	W36X260	D1 (PZC 13)
		13128.5	1886.4	259.5	277.6	295.7	477886	7.1	W920X387	
132-1838	IZ®	245.7	72.4	72.6	76.4	80.2	3185.4	21.6	W27X368	D1 (PZC 13)
		13211.5	1838.4	354.2	372.8	391.4	435001	6.58	W690X548	
133-1856	IZ®	247	73.1	64.8	68.6	72.4	3330.6	22.22	W30X326	D1 (PZC 13)
		13281.7	1856.4	316.5	334.9	353.3	454826.5	6.77	W760X484	
135-1776	IZ®	250.2	69.9	55.8	59.7	63.7	3680.1	22.03	W36X256	D1 (PZC 13)
		13453.7	1776.4	272.5	291.7	310.9	502555.5	6.71	W920X381	

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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)	
135-1870	IZ®	251.4	73.6	58.8	62.5	66.2	3550.3	22.85	W33X291	D1 (PZC 13)
		13515.2	1870.4	286.9	305.2	323.4	484828.4	6.96	W840X433	
138-1768	IZ®	256.8	69.6	52.3	56.3	60.2	3905.8	22.32	W40X235	D1 (PZC 13)
		13807.2	1768.4	255.5	274.8	294.1	533370.6	6.8	W1000X350	
139-1937	IZ®	257.8	76.3	137.8	141.4	145	2768.1	21.24	W14X808	D1 (PZC 13)
		13861.6	1937.4	672.8	690.5	708.1	378005.5	6.47	W360X1202	
139-1888	IZ®	258.5	74.3	56.4	60.1	63.8	3781.1	23.37	W36X280	D1 (PZC 13)
		13896.3	1888.4	275.4	293.5	311.6	516345.3	7.12	W920X417	
142-1859	IZ®	264.9	73.2	69.8	73.6	77.4	3658.7	22.32	W30X357	D1 (PZC 13)
		14240.1	1859.4	340.9	359.3	377.7	499621.9	6.8	W760X531	
143-1866	IZ®	265.4	73.5	52	55.7	59.5	4057.1	23.57	W40X249	D1 (PZC 13)
		14269.6	1866.4	253.9	272.2	290.5	554028.9	7.18	W1000X371	
144-1872	IZ®	268.2	73.7	63.1	66.8	70.5	3874.4	22.91	W33X318	D1 (PZC 13)
		14419	1872.4	308	326.2	344.5	529084	6.98	W840X473	
146-1889	IZ®	271.3	74.4	59.6	63.3	67	4036.3	23.41	W36X300	D1 (PZC 13)
		14586.3	1889.4	291.1	309.1	327.2	551194.9	7.13	W920X446	
147-1866	IZ®	273.8	73.5	48.9	52.6	56.4	4441.8	24.16	W44X230	D1 (PZC 13)
		14720.8	1866.4	238.7	257	275.3	606570.3	7.36	W1100X343	
148-1769	IZ®	274.4	69.7	57.3	61.3	65.2	4301.1	22.39	W40X264	D1 (PZC 13)
		14750.9	1769.4	279.7	299.1	318.4	587349.8	6.82	W1000X393	
152-1770	IZ®	283.2	69.7	59.8	63.8	67.7	4502.5	22.39	W40X278	D1 (PZC 13)
		15228.5	1770.4	292	311.3	330.6	614859.8	6.82	W1000X415	
152-1862	IZ®	283.5	73.3	75.4	79.2	82.9	4009.9	22.39	W30X391	D1 (PZC 13)
		15240.1	1862.4	368.2	386.5	404.9	547583.6	6.82	W760X582	
153-1868	IZ®	284.7	73.6	56.4	60.2	63.9	4472.3	23.64	W40X277	D1 (PZC 13)
		15307.5	1868.4	275.4	293.7	312	610737.2	7.2	W1000X412	
156-1875	IZ®	289.5	73.8	68.8	72.5	76.3	4295.8	22.98	W33X354	D1 (PZC 13)
		15566	1875.4	335.9	354.1	372.4	586633.2	7	W840X527	

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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)	
156-1888	IZ®	289.9	74.3	64.1	67.8	71.5	4415.1	23.44	W36X328	D1 (PZC 13)
		15588.4	1888.4	312.8	330.9	349	602922.5	7.14	W920X488	
159-1868	IZ®	295.3	73.6	59.8	63.5	67.3	4716	23.64	W40X297	D1 (PZC 13)
		15874.2	1868.4	291.8	310.1	328.4	644008.1	7.2	W1000X443	
162-1866	IZ®	301.2	73.5	54.1	57.9	61.6	5063.5	24.23	W44X262	D1 (PZC 13)
		16195.1	1866.4	264.4	282.7	301	691460.3	7.38	W1100X390	
166-1891	IZ®	308.6	74.5	68.9	72.6	76.3	4802.2	23.5	W36X359	D1 (PZC 13)
		16589.1	1891.4	336.4	354.5	372.5	655781.5	7.16	W920X534	
166-1877	IZ®	309	73.9	74.1	77.9	81.6	4693.1	23.08	W33X387	D1 (PZC 13)
		16614.8	1877.4	361.9	380.1	398.3	640881.7	7.03	W840X576	
170-1870	IZ®	315.3	73.6	64.1	67.8	71.6	5149.7	23.73	W40X324	D1 (PZC 13)
		16951.3	1870.4	312.9	331.2	349.4	703241	7.23	W1000X483	
170-1774	IZ®	317	69.9	67.9	71.9	75.8	5259.3	22.52	W40X327	D1 (PZC 13)
		17045	1774.4	331.6	350.9	370.1	718208.4	6.86	W1000X486	
171-1775	IZ®	318.7	69.9	68.8	72.7	76.7	5301.5	22.55	W40X331	D1 (PZC 13)
		17135.2	1775.4	335.8	355.1	374.3	723961.7	6.87	W1000X494	
174-1868	IZ®	322.9	73.6	58.8	62.6	66.3	5576.9	24.29	W44X290	D1 (PZC 13)
		17360.8	1868.4	287.2	305.5	323.8	761580.6	7.4	W1100X433	
177-1893	IZ®	330	74.5	74.4	78.1	81.8	5257.5	23.6	W36X393	D1 (PZC 13)
		17740.4	1893.4	363.4	381.5	399.5	717958.3	7.19	W920X585	
179-1853	IZ®	333.1	73	99.8	103.6	107.4	4807.1	22.06	W27X539	D1 (PZC 13)
		17910.5	1853.4	487.3	505.7	524.2	656447.7	6.72	W690X802	
182-1873	IZ®	339.3	73.8	70.2	73.9	77.6	5694.8	23.8	W40X362	D1 (PZC 13)
		18242.2	1873.4	342.6	360.8	379	777671.7	7.25	W1000X539	
185-1874	IZ®	344.6	73.8	71.8	75.5	79.2	5819.1	23.83	W40X372	D1 (PZC 13)
		18527.2	1874.4	350.4	368.6	386.8	794645	7.26	W1000X554	
188-1871	IZ®	350.4	73.7	65.7	69.4	73.2	6256.2	24.36	W44X335	D1 (PZC 13)
		18841.1	1871.4	320.7	339	357.2	854341.4	7.42	W1100X499	

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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)	
193-1897	IZ [®]	358.5	74.7	81.6	85.3	88.9	5867.2	23.7	W36X439	D1 (PZC 13)
		19273.8	1897.4	398.2	416.2	434.2	801223	7.22	W920X653	
194-1780	IZ [®]	360.9	70.1	79	82.9	86.8	6277.4	22.72	W40X392	D1 (PZC 13)
		19403.3	1780.4	385.6	404.8	424	857229.9	6.92	W1000X584	
195-1875	IZ [®]	363.2	73.8	75.7	79.5	83.2	6237.8	23.86	W40X397	D1 (PZC 13)
		19524.8	1875.4	369.8	388.1	406.3	851823.1	7.27	W1000X591	
207-1878	IZ [®]	384.4	74	81.2	84.9	88.6	6730.8	23.96	W40X431	D1 (PZC 13)
		20666.9	1878.4	396.4	414.6	432.8	919148.6	7.3	W1000X642	
222-1903	IZ [®]	413.3	74.9	95.3	99	102.7	7082.5	23.9	W36X527	D1 (PZC 13)
		22219.5	1903.4	465.4	483.4	501.3	967182.8	7.28	W920X784	
233-1883	IZ [®]	433	74.1	92.7	96.4	100.1	7879.6	24.13	W40X503	D1 (PZC 13)
		23277.3	1883.4	452.5	470.6	488.7	1076025	7.35	W1000X748	
263-1912	IZ [®]	489	75.3	114.4	118	121.7	8838.2	24.16	W36X650	D1 (PZC 13)
		26290.4	1912.4	558.5	576.3	594.2	1206933.1	7.36	W920X967	
266-1890	IZ [®]	494.3	74.4	107.2	110.9	114.6	9375.5	24.32	W40X593	D1 (PZC 13)
		26575.8	1890.4	523.5	541.5	559.6	1280309.8	7.41	W1000X883	
313-1923	IZ [®]	582.6	75.7	137.1	140.8	144.4	11118.1	24.49	W36X798	D1 (PZC 13)
		31321.9	1923.4	669.6	687.3	705.1	1518270.8	7.46	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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