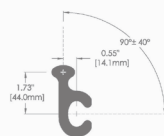


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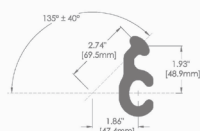
PilePro® Sheet Pile Connectors



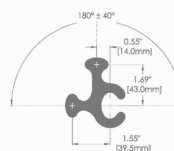
PZ 90



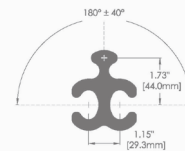
Colt



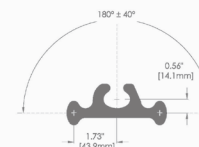
Cobra



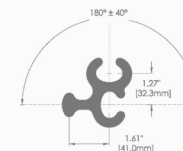
PZ Tee



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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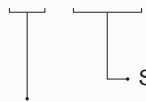


Configuration W



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)	
27-1864	IZ®	50.5	73.4	25.3	29	32.6	328.6	18.9	HP16x88	W1
		2713	1864.5	123.7	141.5	159.4	44872.4	5.76	HP410x131	
27-1841	IZ®	50.7	72.5	28.1	31.8	35.5	317.9	18.34	HP14x102	W1
		2723.3	1840.6	137.1	155.2	173.3	43417	5.59	HP360x152	
27-1657	IZ®	50.7	65.2	22.5	26.7	30.8	342.1	16.67	W18X55	W1
		2723.6	1657	110	130.1	150.2	46722.7	5.08	W460X82	
27-1726	IZ®	50.8	68	23.9	27.8	31.8	334	17.29	W16X67	W1
		2729.1	1726	116.5	135.8	155.1	45616.1	5.27	W410X100	
27-1631	IZ®	50.8	64.2	20.8	25	29.2	353.3	16.77	W21X44	W1
		2732.7	1631	101.5	121.9	142.4	48241.8	5.11	W530X66	
27-1776	IZ®	50.9	69.9	29.7	33.6	37.4	306	17.32	W12X106	W1
		2734.9	1776	145.1	163.8	182.6	41782.7	5.28	W310X158	
28-1836	IZ®	52.2	72.3	27.6	31.3	35	329.2	18.37	W14X99	W1
		2807	1836	134.8	152.9	171.1	44961.4	5.6	W360X147	
28-1673	IZ®	52.3	65.9	21	25.1	29.1	367.4	17.32	W21X48	W1
		2810.9	1673	102.5	122.4	142.3	50177.3	5.28	W530X72	
28-1658	IZ®	52.8	65.3	23.4	27.5	31.6	360.9	16.7	W18X60	W1
		2837.6	1658	114.2	134.3	154.4	49285	5.09	W460X89	
29-1779	IZ®	54.1	70	32.1	35.9	39.8	330.1	17.39	W12X120	W1
		2908.1	1779	156.8	175.5	194.2	45071.9	5.3	W310X179	
29-1632	IZ®	54.2	64.3	21.9	26.1	30.2	384.5	16.8	W21X50	W1
		2912.6	1632	106.9	127.3	147.7	52510.4	5.12	W530X74	
29-1727	IZ®	54.2	68	25.6	29.6	33.5	363.4	17.32	W16X77	W1
		2914.3	1727	125.1	144.4	163.7	49632.1	5.28	W410X114	
29-1844	IZ®	54.4	72.6	30.4	34.1	37.8	346.6	18.41	HP14x117	W1
		2924.9	1843.8	148.7	166.7	184.8	47328.4	5.61	HP360x174	
29-1866	IZ®	54.5	73.5	27.6	31.2	34.9	361.1	18.96	HP16x101	W1
		2929.6	1866	134.7	152.5	170.4	49304.8	5.78	HP410x151	

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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)	
30-1659	IZ®	54.8	65.3	24.3	28.4	32.5	379.2	16.73	W18X65	W1
		2946.1	1659	118.4	138.5	158.6	51788.2	5.1	W460X97	
30-1837	IZ®	55.1	72.3	29.3	33	36.7	351.5	18.41	W14X109	W1
		2962	1837	142.8	161	179.1	48002.9	5.61	W360X162	
30-1675	IZ®	56.4	65.9	22.3	26.4	30.4	406.2	17.36	W21X55	W1
		3034.1	1675	108.8	128.7	148.6	55465.6	5.29	W530X82	
31-1660	IZ®	57	65.4	25.4	29.5	33.6	400.2	16.77	W18X71	W1
		3064.3	1660	124	144.1	164.1	54651.5	5.11	W460X106	
31-1781	IZ®	58	70.1	34.8	38.6	42.4	360.4	17.45	W12X136	W1
		3116.9	1781	169.8	188.5	207.2	49220.2	5.32	W310X202	
31-1746	IZ®	58	68.7	25	28.9	32.8	407.8	17.85	W18X76	W1
		3118.9	1746	122	141	160.1	55688.9	5.44	W460X113	
31-1839	IZ®	58	72.4	31.1	34.8	38.5	374.9	18.44	W14X120	W1
		3120.3	1839	151.6	169.8	187.9	51189.9	5.62	W360X179	
31-1729	IZ®	58.4	68.1	27.7	31.7	35.6	399.3	17.39	W16X89	W1
		3137.3	1729	135.4	154.7	173.9	54528.8	5.3	W410X132	
31-1632	IZ®	58.4	64.3	23.2	27.4	31.5	425	16.83	W21X57	W1
		3141.5	1632	113.2	133.6	154	58037.8	5.13	W530X85	
32-1869	IZ®	60.3	73.6	30.8	34.5	38.1	410.9	19.03	HP16x121	W1
		3243.6	1869.2	150.4	168.3	186.1	56118	5.8	HP410x181	
33-1675	IZ®	60.6	65.9	23.5	27.6	31.7	445.9	17.39	W21X62	W1
		3258	1675	114.9	134.8	154.7	60891.4	5.3	W530X92	
33-1840	IZ®	61.4	72.4	33	36.7	40.4	401.2	18.47	W14X132	W1
		3299	1840	160.9	179	197.1	54791.4	5.63	W360X196	
33-1748	IZ®	62	68.8	26.7	30.6	34.5	444.8	17.91	W18X86	W1
		3335.3	1748	130.3	149.4	168.4	60737.9	5.46	W460X128	
33-1783	IZ®	62.2	70.2	37.5	41.4	45.2	393.3	17.52	W12X152	W1
		3341.8	1783	183.3	201.9	220.6	53707.9	5.34	W310X226	

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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)	
34-1731	IZ®	62.3	68.1	29.7	33.6	37.5	434.9	17.42	W16X100	W1
		3351	1731	144.8	164	183.3	59393.4	5.31	W410X149	
34-1644	IZ®	63.2	64.7	22.7	26.9	31	484.4	17.42	W24X55	W1
		3399.7	1644	110.9	131.2	151.4	66145.4	5.31	W610X82	
34-1676	IZ®	63.8	66	24.6	28.7	32.7	477.9	17.42	W21X68	W1
		3430.5	1676	120	139.9	159.8	65255.6	5.31	W530X101	
35-1860	IZ®	64.6	73.2	34.8	38.4	42.1	427.4	18.73	W14X145	W1
		3475.4	1860	169.8	187.7	205.6	58370.3	5.71	W360X216	
36-1872	IZ®	66	73.7	34	37.7	41.3	458	19.06	HP16x141	W1
		3546.4	1872.4	166.1	183.9	201.7	62547.3	5.81	HP410x211	
36-1677	IZ®	66.2	66	25.5	29.6	33.7	502.9	17.45	W21X73	W1
		3561.4	1677	124.6	144.5	164.3	68679.8	5.32	W530X109	
36-1749	IZ®	66.5	68.9	28.6	32.5	36.4	486.7	17.95	W18X97	W1
		3573.6	1749	139.7	158.7	177.8	66466	5.47	W460X144	
36-1785	IZ®	66.8	70.3	40.6	44.4	48.2	431	17.59	W12X170	W1
		3589.4	1785	198	216.7	235.3	58856.8	5.36	W310X253	
36-1645	IZ®	67.6	64.8	24	28.1	32.3	530.6	17.45	W24X62	W1
		3633.8	1645	117	137.3	157.5	72460.2	5.32	W610X92	
37-1861	IZ®	68.5	73.3	37.1	40.7	44.4	459.8	18.77	W14X159	W1
		3683.9	1861	181.1	199	216.9	62791	5.72	W360X237	
38-1750	IZ®	69.7	68.9	30.2	34.1	38	518.7	17.98	W18X106	W1
		3747	1750	147.2	166.3	185.3	70826.5	5.48	W460X158	
38-1917	IZ®	69.7	75.5	32.3	35.8	39.4	511.8	19.91	HP18x135	W1
		3747.9	1916.8	157.5	174.9	192.3	69892.2	6.07	HP360x202	
38-1678	IZ®	70.9	66.1	27.2	31.3	35.4	551.4	17.49	W21X83	W1
		3810	1678	133	152.8	172.7	75304	5.33	W530X123	
38-1694	IZ®	71.1	66.7	24.3	28.3	32.4	567.6	18.11	W24X68	W1
		3824	1694	118.7	138.4	158.1	77512.8	5.52	W610X101	

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39-1788	IZ®	71.8	70.4	43.8	47.6	51.4	474.2	17.65	W12X190	W1
		3861	1788	213.9	232.5	251.2	64753.7	5.38	W310X283	
39-1876	IZ®	72.1	73.8	37.3	40.9	44.6	512.6	19.16	HP16x162	W1
		3875.7	1875.6	182.1	199.8	217.6	69995.9	5.84	HP410x242	
39-1864	IZ®	73.1	73.4	39.8	43.4	47.1	500.2	18.83	W14X176	W1
		3931.4	1864	194.3	212.1	230	68302.3	5.74	W360X262	
40-1752	IZ®	75	69	32.4	36.3	40.2	571.1	18.01	W18X119	W1
		4033.6	1752	158.3	177.3	196.3	77995.4	5.49	W460X177	
41-1680	IZ®	75.4	66.1	29	33.1	37.1	601	17.52	W21X93	W1
		4054.7	1680	141.7	161.5	181.3	82075.8	5.34	W530X138	
41-1920	IZ®	76.3	75.6	35.6	39.2	42.7	573.5	19.98	HP18x157	W1
		4104.3	1920	173.9	191.2	208.6	78311.3	6.09	HP360x234	
41-1694	IZ®	76.4	66.7	25.7	29.8	33.8	625.5	18.14	W24X76	W1
		4109.1	1694	125.7	145.4	165	85416.7	5.53	W610X113	
41-1791	IZ®	76.9	70.5	47.2	51.1	54.9	519.2	17.75	W12X210	W1
		4132	1791	230.7	249.3	267.8	70901.5	5.41	W310X313	
42-1885	IZ®	77.8	74.2	40.6	44.2	47.9	564.7	19.29	HP16x183	W1
		4183.1	1885.1	198.3	216	233.7	77116.2	5.88	HP410x272	
42-1865	IZ®	78.2	73.4	42.5	46.2	49.8	544.4	18.9	W14X193	W1
		4206.8	1865	207.6	225.5	243.3	74346.2	5.76	W360X287	
42-1778	IZ®	78.4	70	28.9	32.7	36.5	628.9	18.8	W21X101	W1
		4213	1778	141	159.7	178.4	85881.5	5.73	W530X150	
43-1749	IZ®	80.2	68.9	34.4	38.3	42.2	623	18.04	W18X130	W1
		4309.3	1749	168	187	206.1	85078.6	5.5	W460X193	
44-1695	IZ®	81.4	66.7	27.2	31.2	35.2	681.4	18.18	W24X84	W1
		4376.3	1695	132.6	152.2	171.9	93047.9	5.54	W610X125	
44-1794	IZ®	82.4	70.6	50.6	54.4	58.2	568.6	17.81	W12X230	W1
		4432.2	1794	246.9	265.5	284	77647.4	5.43	W310X342	

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44-1779	IZ®	82.6	70	30.6	34.4	38.2	674.8	18.83	W21X111	W1
		4438.2	1779	149.3	168	186.7	92152.4	5.74	W530X165	
45-1867	IZ®	83.4	73.5	45.4	49.1	52.7	590.1	18.93	W14X211	W1
		4481.9	1867	221.7	239.5	257.4	80579.4	5.77	W360X314	
45-1923	IZ®	84.2	75.7	39.3	42.9	46.4	648.4	20.05	HP18x181	W1
		4527.3	1923.2	192	209.4	226.7	88541.7	6.11	HP360x269	
46-1751	IZ®	85.4	68.9	36.6	40.5	44.4	677.7	18.08	W18X143	W1
		4593.9	1751	178.5	197.6	216.6	92544.8	5.51	W460X213	
47-1696	IZ®	87.2	66.8	29	33.1	37.1	749.9	18.21	W24X94	W1
		4685.7	1696	141.8	161.4	181	102399.9	5.55	W610X140	
47-1781	IZ®	87.5	70.1	32.3	36.2	40	729.7	18.86	W21X122	W1
		4703.1	1781	157.9	176.6	195.3	99653.5	5.75	W530X182	
47-1796	IZ®	87.9	70.7	54.2	58	61.8	620	17.88	W12X252	W1
		4723.7	1796	264.5	283.1	301.6	84669	5.45	W310X375	
48-1870	IZ®	89.5	73.6	48.9	52.6	56.2	647.2	19.03	W14X233	W1
		4809.6	1870	239	256.8	274.6	88379.5	5.8	W360X347	
48-1719	IZ®	89.7	67.7	26.9	30.8	34.8	801.4	18.9	W27X84	W1
		4820	1719	131.2	150.5	169.9	109442.2	5.76	W690X125	
48-1790	IZ®	89.8	70.5	29.2	33	36.8	781.9	19.39	W24X104	W1
		4825.9	1790	142.6	161.2	179.8	106774.7	5.91	W610X155	
49-1753	IZ®	91	69	39.1	43	46.9	736.9	18.14	W18X158	W1
		4891.3	1753	190.9	209.9	228.9	100627	5.53	W460X235	
49-1926	IZ®	91.8	75.8	43	46.6	50.1	725.7	20.11	HP18x204	W1
		4935.1	1926.4	210.1	227.4	244.7	99106.5	6.13	HP460x304	
49-1782	IZ®	91.9	70.2	34	37.9	41.7	779.5	18.9	W21X132	W1
		4943.5	1782	166.2	184.9	203.6	106442.2	5.76	W530X196	
50-1695	IZ®	92.8	66.7	30.6	34.6	38.6	816.2	18.21	W24X103	W1
		4987.1	1695	149.2	168.9	188.5	111465.9	5.55	W610X153	

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51-1800	IZ®	95.3	70.9	58.5	62.3	66.1	692.4	17.98	W12X279	W1
		5121.7	1800	285.8	304.3	322.8	94557.5	5.48	W310X415	
52-1872	IZ®	96.2	73.7	52.8	56.5	60.1	713	19.09	W14X257	W1
		5174.1	1872	258	275.8	293.6	97370.4	5.82	W360X382	
52-1791	IZ®	96.7	70.5	31.4	35.2	39	865.3	19.42	W24X117	W1
		5200.9	1791	153.1	171.7	190.3	118160.8	5.92	W610X174	
52-1720	IZ®	97	67.7	28.5	32.5	36.5	891.6	18.96	W27X94	W1
		5212.6	1720	139.3	158.7	178	121762.7	5.78	W690X140	
53-1755	IZ®	98.1	69.1	42	45.9	49.8	814.2	18.21	W18X175	W1
		5274.6	1755	205	223.9	242.9	111190.5	5.55	W460X260	
53-1784	IZ®	98.6	70.2	36.6	40.4	44.3	856.7	18.96	W21X147	W1
		5301.5	1784	178.8	197.4	216.1	116984.7	5.78	W530X219	
55-1720	IZ®	102.8	67.7	30	34	38	966.7	19	W27X102	W1
		5527.5	1720	146.6	166	185.3	132006	5.79	W690X152	
55-1802	IZ®	102.9	70.9	62.9	66.7	70.5	770	18.08	W12X305	W1
		5532.1	1802	307.2	325.7	344.2	105155	5.51	W310X454	
55-1730	IZ®	103.1	68.1	27.6	31.6	35.5	998.6	19.52	W30X90	W1
		5543.3	1730	134.9	154.1	173.4	136368.6	5.95	W760X134	
56-1793	IZ®	104.1	70.6	33.7	37.5	41.3	957.5	19.49	W24X131	W1
		5598.5	1793	164.7	183.3	201.9	130748.9	5.94	W610X195	
56-1875	IZ®	104.2	73.8	57	60.6	64.2	790.4	19.16	W14X283	W1
		5601	1875	278.1	295.9	313.6	107937.5	5.84	W360X421	
58-1731	IZ®	108.7	68.1	29.3	33.2	37.2	1080.8	19.55	W30X99	W1
		5844.8	1731	143	162.2	181.4	147588.2	5.96	W760X147	
59-1781	IZ®	109.4	70.1	39.9	43.8	47.6	982	18.96	W21X166	W1
		5881.6	1781	194.9	213.6	232.3	134101.9	5.78	W530X248	
59-1722	IZ®	109.8	67.8	32	36	40	1060.8	19.03	W27X114	W1
		5900.8	1722	156.5	175.8	195.2	144856.8	5.8	W690X170	

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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)	
60-1806	IZ®	111.5	71.1	68	71.8	75.6	859.4	18.18	W12X336	W1
		5994.1	1806	332.2	350.6	369.1	117360	5.54	W310X500	
60-1878	IZ®	112.1	73.9	61.4	65	68.7	872.3	19.26	W14X311	W1
		6025.3	1878	299.8	317.5	335.3	119119.2	5.87	W360X463	
61-1794	IZ®	113	70.6	36.2	40	43.8	1066.3	19.55	W24X146	W1
		6075.6	1794	176.9	195.5	214	145619.2	5.96	W610X217	
62-1732	IZ®	115.9	68.2	30.8	34.8	38.7	1180.5	19.59	W30X108	W1
		6229.1	1732	150.6	169.8	189	161205.3	5.97	W760X161	
63-1784	IZ®	116.3	70.2	42.7	46.5	50.3	1067	19.03	W21X182	W1
		6252	1784	208.2	226.9	245.6	145707.7	5.8	W530X272	
65-1720	IZ®	120.1	67.7	34.7	38.7	42.6	1201.6	19.06	W27X129	W1
		6457.7	1720	169.4	188.8	208.2	164087.3	5.81	W690X192	
65-1882	IZ®	121.2	74.1	66.3	69.9	73.6	970	19.36	W14X342	W1
		6518.7	1882	323.8	341.5	359.2	132458.4	5.9	W360X509	
65-1795	IZ®	121.4	70.7	39	42.8	46.6	1176.4	19.59	W24X162	W1
		6525.9	1795	190.3	208.9	227.4	160653.8	5.97	W610X241	
66-1733	IZ®	122.4	68.2	32.3	36.2	40.2	1273.8	19.62	W30X116	W1
		6582.8	1733	157.7	177	196.2	173953.7	5.98	W760X173	
67-1785	IZ®	125	70.3	45.9	49.7	53.5	1175.7	19.09	W21X201	W1
		6718.2	1785	224	242.6	261.3	160557.8	5.82	W530X300	
68-1821	IZ®	126.9	71.7	35.8	39.5	43.3	1292.7	20.34	W27X146	W1
		6820.3	1821	174.7	193	211.3	176530.1	6.2	W690X217	
69-1733	IZ®	128.6	68.2	33.6	37.5	41.5	1362.2	19.65	W30X124	W1
		6916.3	1733	164.1	183.3	202.5	186022.8	5.99	W760X185	
70-1793	IZ®	129.2	70.6	41.3	45.1	48.9	1278.2	19.59	W24X176	W1
		6946.1	1793	201.5	220.1	238.6	174544.4	5.97	W610X262	
70-1884	IZ®	130	74.2	70.8	74.4	78	1063.8	19.42	W14X370	W1
		6990.9	1884	345.5	363.2	380.9	145272.8	5.92	W360X551	

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72-1734	IZ®	134.1	68.3	35.1	39	42.9	1446.4	19.69	W30X132	W1
		7209	1734	171.2	190.4	209.6	197518.1	6	W760X196	
73-1822	IZ®	135.4	71.7	38.3	42.1	45.8	1415.4	20.37	W27X161	W1
		7278.5	1822	187.1	205.4	223.6	193286.1	6.21	W690X240	
73-1758	IZ®	135.4	69.2	32.1	36	39.9	1513.2	20.44	W33X118	W1
		7281.1	1758	156.8	175.8	194.7	206642.7	6.23	W840X176	
74-1795	IZ®	136.7	70.7	43.9	47.7	51.5	1382	19.65	W24X192	W1
		7349.4	1795	214.4	233	251.5	188725	5.99	W610X285	
74-1887	IZ®	138.2	74.3	75.2	78.8	82.4	1157.7	19.49	W14X398	W1
		7430	1887	367	384.7	402.3	158100.3	5.94	W360X592	
78-1824	IZ®	144.2	71.8	41.1	44.8	48.6	1544.5	20.44	W27X178	W1
		7753.3	1824	200.7	218.9	237.2	210913.5	6.23	W690X265	
78-1796	IZ®	144.5	70.7	46.5	50.3	54.1	1490.2	19.69	W24X207	W1
		7769.2	1796	227	245.5	264	203505.6	6	W610X307	
78-1758	IZ®	145.6	69.2	34.2	38.1	42	1673.5	20.47	W33X130	W1
		7830.4	1758	167.1	186.1	205	228531.4	6.24	W840X193	
79-1732	IZ®	146.6	68.2	37.9	41.8	45.8	1634.7	19.72	W30X148	W1
		7879.4	1732	185	204.3	223.5	223227.3	6.01	W760X220	
79-1890	IZ®	147.1	74.4	79.6	83.2	86.8	1258.9	19.59	W14X426	W1
		7908.8	1890	388.5	406.1	423.7	171917.3	5.97	W360X634	
83-1759	IZ®	154.8	69.3	36.1	40	43.9	1823.6	20.51	W33X141	W1
		8325	1759	176.4	195.3	214.3	249026.3	6.25	W840X210	
83-1799	IZ®	155.1	70.8	50.2	54	57.7	1641.4	19.78	W24X229	W1
		8338.4	1799	244.9	263.4	281.9	224153.3	6.03	W610X341	
83-1894	IZ®	155.1	74.6	84.1	87.7	91.3	1355.6	19.69	W14X455	W1
		8338.8	1894	410.4	428	445.6	185113.8	6	W360X677	
84-1822	IZ®	155.2	71.7	43.8	47.5	51.3	1703.5	20.44	W27X194	W1
		8345.6	1822	213.8	232.1	250.4	232634.4	6.23	W690X289	

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85-1847	IZ®	157.4	72.7	39.7	43.4	47.1	1802.6	21.19	W30X173	W1
		8462.1	1847	193.9	211.9	230	246163.5	6.46	W760X257	
85-1770	IZ®	158.7	69.7	34.8	38.7	42.5	1947.1	21.03	W36X135	W1
		8534.7	1770	170	188.8	207.6	265892.3	6.41	W920X201	
88-1760	IZ®	163.4	69.3	38	41.9	45.8	1967.4	20.57	W33X152	W1
		8786.6	1760	185.7	204.6	223.5	268663	6.27	W840X226	
89-1801	IZ®	165.9	70.9	53.7	57.5	61.2	1796.8	19.85	W24X250	W1
		8916.7	1801	262.1	280.6	299	245369.6	6.05	W610X372	
90-1825	IZ®	168	71.9	47.6	51.3	55.1	1897.1	20.54	W27X217	W1
		9029.7	1825	232.4	250.6	268.9	259063.2	6.26	W690X323	
91-1848	IZ®	168.5	72.8	42.7	46.3	50	1979.5	21.23	W30X191	W1
		9057.7	1848	208.3	226.3	244.3	270323.9	6.47	W760X284	
91-1898	IZ®	169.3	74.7	91.1	94.7	98.3	1530.1	19.78	W14X500	W1
		9102.3	1898	444.7	462.3	479.8	208942.9	6.03	W360X744	
93-1770	IZ®	173	69.7	37.4	41.3	45.2	2192.7	21.1	W36X150	W1
		9299.3	1770	182.8	201.6	220.5	299436.6	6.43	W920X223	
95-1758	IZ®	177	69.2	40.8	44.7	48.6	2194.4	20.57	W33X169	W1
		9515.2	1758	199.3	218.2	237.1	299663.5	6.27	W840X251	
95-1826	IZ®	177.2	71.9	50.7	54.4	58.1	2043.3	20.57	W27X235	W1
		9527.6	1826	247.3	265.5	283.8	279030.3	6.27	W690X350	
96-1804	IZ®	179.4	71	58.5	62.3	66	1999.8	19.91	W24X279	W1
		9644.5	1804	285.6	304	322.5	273085	6.07	W610X415	
97-1850	IZ®	180.5	72.8	45.9	49.6	53.3	2176.8	21.29	W30X211	W1
		9702.3	1850	224.2	242.2	260.1	297258.4	6.49	W760X314	
97-1771	IZ®	180.8	69.7	39.2	43	46.9	2335.5	21.13	W36X160	W1
		9720.8	1771	191.2	210	228.8	318934.5	6.44	W920X238	
98-1766	IZ®	182.1	69.5	37.4	41.2	45.1	2426.1	21.42	W40X149	W1
		9792.5	1766	182.4	201.2	220.1	331302.6	6.53	W1000X222	

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100-1903	IZ®	185.1	74.9	98.6	102.2	105.8	1731.7	19.95	W14X550	W1
		9951.6	1903	481.5	499	516.5	236472.8	6.08	W360X818	
102-1772	IZ®	188.8	69.8	40.9	44.7	48.6	2481.7	21.16	W36X170	W1
		10149.7	1772	199.5	218.3	237	338893.6	6.45	W920X253	
102-1828	IZ®	189.7	72	54.3	58	61.8	2239.9	20.64	W27X258	W1
		10199	1828	265.1	283.3	301.5	305882.2	6.29	W690X384	
103-1866	IZ®	191.7	73.5	43.9	47.5	51.2	2459.2	21.95	W33X201	W1
		10307.8	1866	214.2	232.1	249.9	335820.7	6.69	W840X299	
104-1806	IZ®	192.7	71.1	62.9	66.7	70.4	2202.6	19.98	W24X306	W1
		10358.8	1806	307	325.4	343.9	300790.5	6.09	W610X455	
106-1848	IZ®	196.4	72.8	49.9	53.6	57.3	2438.3	21.33	W30X235	W1
		10558.9	1848	243.5	261.5	279.5	332977.2	6.5	W760X350	
106-1773	IZ®	197.2	69.8	42.9	46.8	50.6	2642	21.19	W36X182	W1
		10601.6	1773	209.5	228.3	247.1	360784.3	6.46	W920X271	
108-1766	IZ®	201.3	69.5	40.4	44.3	48.2	2779.5	21.49	W40X167	W1
		10821.6	1766	197.5	216.3	235.2	379562.7	6.55	W1000X249	
109-1830	IZ®	202.3	72	58.2	61.9	65.6	2444.5	20.7	W27X281	W1
		10877.7	1830	284.1	302.3	320.5	333812.1	6.31	W690X419	
109-1908	IZ®	203	75.1	107.6	111.2	114.8	1968.9	20.08	W14X605	W1
		10913.4	1908	525.5	542.9	560.4	268867.4	6.12	W360X900	
110-1867	IZ®	205.1	73.5	47.1	50.8	54.4	2699.2	22.01	W33X221	W1
		11028	1867	230.1	247.9	265.8	368593.3	6.71	W840X329	
110-1774	IZ®	205.2	69.8	44.9	48.7	52.6	2796.6	21.23	W36X194	W1
		11032.1	1774	219.2	237.9	256.7	381905.6	6.47	W920X289	
111-1809	IZ®	206.5	71.2	67.7	71.5	75.3	2420.7	20.08	W24X335	W1
		11104.3	1809	330.8	349.2	367.6	330574.6	6.12	W610X498	
113-1851	IZ®	210.8	72.9	54.1	57.8	61.5	2688.3	21.39	W30X261	W1
		11332.3	1851	264.3	282.3	300.3	367115.5	6.52	W760X389	

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116-1833	IZ®	215.3	72.2	62.3	66	69.7	2659.3	20.77	W27X307	W1
		11575	1833	304.2	322.3	340.5	363157.5	6.33	W690X457	
116-1775	IZ®	215.9	69.9	47.7	51.5	55.4	3006.6	21.26	W36X210	W1
		11606.2	1775	232.7	251.5	270.3	410581.2	6.48	W920X313	
117-1869	IZ®	218.1	73.6	50.3	54	57.6	2934.8	22.08	W33X241	W1
		11726.3	1869	245.8	263.6	281.4	400771.3	6.73	W840X359	
118-1766	IZ®	219.3	69.5	43.2	47	50.9	3120	21.56	W40X183	W1
		11791.7	1766	210.8	229.7	248.5	426058.3	6.57	W1000X272	
119-1914	IZ®	222	75.4	116.5	120.1	123.7	2237.3	20.24	W14X665	W1
		11938	1914	569	586.4	603.8	305524.7	6.17	W360X990	
120-1813	IZ®	223.1	71.4	73.5	77.3	81.1	2689.1	20.18	W24X370	W1
		11996.7	1813	359.1	377.4	395.8	367224.5	6.15	W610X551	
120-1884	IZ®	223.5	74.2	48.1	51.7	55.3	3109.8	22.57	W36X230	W1
		12015.5	1884	234.7	252.4	270	424676.7	6.88	W920X342	
120-1866	IZ®	223.5	73.5	43.4	47.1	50.8	3216.8	22.8	W40X199	W1
		12016.4	1866	212.1	230	247.8	439283.1	6.95	W1000X296	
123-1853	IZ®	229.3	73	59.1	62.8	66.5	3010.4	21.46	W30X292	W1
		12328.9	1853	288.6	306.6	324.5	411097.4	6.54	W760X434	
124-1836	IZ®	230.8	72.3	67	70.7	74.4	2921.2	20.87	W27X336	W1
		12407.2	1836	327.2	345.3	363.5	398919.6	6.36	W690X500	
126-1885	IZ®	234	74.2	50.5	54.1	57.8	3309.2	22.6	W36X245	W1
		12580.6	1885	246.6	264.3	282	451905.7	6.89	W920X365	
126-1774	IZ®	234.4	69.8	51.3	55.2	59	3362.7	21.29	W36X232	W1
		12603.1	1774	250.6	269.3	288.1	459211.7	6.49	W920X345	
126-1867	IZ®	234.7	73.5	54	57.7	61.3	3237.2	22.08	W33X263	W1
		12617.1	1867	263.7	281.6	299.4	442066.9	6.73	W840X392	
129-1766	IZ®	239.7	69.5	48	51.9	55.7	3549.4	21.59	W40X211	W1
		12885.5	1766	234.4	253.2	272.1	484704.9	6.58	W1000X314	

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130-1866	IZ®	240.9	73.5	46.2	49.9	53.5	3553.1	22.87	W40X215	W1
		12950.4	1866	225.6	243.4	261.3	485205	6.97	W1000X321	
131-1920	IZ®	244	75.6	126.2	129.8	133.3	2551.4	20.41	W14X730	W1
		13118.4	1920	616.2	633.6	650.9	348420.9	6.22	W360X1086	
131-1886	IZ®	244.3	74.3	52.9	56.5	60.1	3509.3	22.64	W36X260	W1
		13133.8	1886	258.2	275.8	293.5	479222.9	6.9	W920X387	
133-1838	IZ®	247.2	72.4	72.3	76	79.7	3204.6	20.93	W27X368	W1
		13287.8	1838	352.9	371	389.1	437622.1	6.38	W690X548	
133-1856	IZ®	247.9	73.1	64.6	68.2	71.9	3346.3	21.56	W30X326	W1
		13330.4	1856	315.2	333.1	351.1	456962.5	6.57	W760X484	
135-1776	IZ®	250.5	69.9	55.5	59.4	63.2	3692.7	21.36	W36X256	W1
		13470.1	1776	271.1	289.8	308.6	504268.9	6.51	W920X381	
135-1870	IZ®	251.8	73.6	58.5	62.1	65.8	3562.8	22.18	W33X291	W1
		13538.7	1870	285.6	303.4	321.2	486536.6	6.76	W840X433	
138-1768	IZ®	256.8	69.6	52	55.9	59.8	3916.3	21.65	W40X235	W1
		13806.8	1768	254.1	272.9	291.8	534811.6	6.6	W1000X350	
139-1888	IZ®	258.6	74.3	56.1	59.8	63.4	3791.7	22.7	W36X280	W1
		13904.4	1888	274.1	291.7	309.4	517789.3	6.92	W920X417	
141-1937	IZ®	261.3	76.3	137.6	141.1	144.6	2799.2	20.57	W14X808	W1
		14050.5	1937	671.6	688.8	706	382251.7	6.27	W360X1202	
143-1866	IZ®	265.2	73.5	51.7	55.4	59	4065.6	22.9	W40X249	W1
		14259.2	1866	252.5	270.4	288.2	555193.4	6.98	W1000X371	
143-1859	IZ®	265.9	73.2	69.6	73.2	76.9	3675.6	21.65	W30X357	W1
		14293.6	1859	339.6	357.5	375.4	501939.4	6.6	W760X531	
145-1872	IZ®	268.7	73.7	62.8	66.4	70.1	3888	22.24	W33X318	W1
		14446.4	1872	306.6	324.4	342.2	530939.6	6.78	W840X473	
146-1889	IZ®	271.5	74.4	59.3	63	66.6	4047.6	22.74	W36X300	W1
		14596.9	1889	289.8	307.4	325	552733.7	6.93	W920X446	

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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)	
147-1866	IZ [®]	273.1	73.5	48.6	52.3	55.9	4446.9	23.49	W44X230	W1
		14685.4	1866	237.4	255.2	273.1	607266.8	7.16	W1100X343	
148-1769	IZ [®]	274.4	69.6	57	60.9	64.7	4312.5	21.72	W40X264	W1
		14753.3	1769	278.3	297.2	316	588910	6.62	W1000X393	
152-1770	IZ [®]	283.3	69.7	59.5	63.4	67.2	4514.5	21.72	W40X278	W1
		15232.7	1770	290.6	309.4	328.2	616491.6	6.62	W1000X415	
153-1862	IZ [®]	284.6	73.3	75.1	78.8	82.5	4028.3	21.72	W30X391	W1
		15298.9	1862	366.9	384.8	402.7	550101.1	6.62	W760X582	
153-1868	IZ [®]	284.6	73.5	56.1	59.8	63.4	4481.7	22.97	W40X277	W1
		15300	1868	274.1	291.9	309.8	612018.6	7	W1000X412	
156-1875	IZ [®]	290.1	73.8	68.5	72.2	75.8	4310.8	22.31	W33X354	W1
		15598.4	1875	334.6	352.4	370.1	588679.2	6.8	W840X527	
156-1888	IZ [®]	290.2	74.3	63.8	67.4	71	4427.5	22.77	W36X328	W1
		15603.1	1888	311.5	329.2	346.8	604617.6	6.94	W920X488	
159-1868	IZ [®]	295.1	73.5	59.5	63.1	66.8	4725.7	22.97	W40X297	W1
		15868	1868	290.5	308.3	326.1	645337.4	7	W1000X443	
162-1866	IZ [®]	300.6	73.5	53.9	57.5	61.2	5069.6	23.56	W44X262	W1
		16163	1866	263	280.9	298.7	692294.6	7.18	W1100X390	
166-1891	IZ [®]	308.9	74.4	68.6	72.2	75.8	4815.7	22.83	W36X359	W1
		16607.8	1891	335.1	352.7	370.3	657626.8	6.96	W920X534	
167-1877	IZ [®]	309.7	73.9	73.9	77.5	81.1	4709.4	22.41	W33X387	W1
		16652.1	1877	360.6	378.4	396.1	643115.7	6.83	W840X576	
170-1870	IZ [®]	315.2	73.6	63.8	67.5	71.1	5160.5	23.06	W40X324	W1
		16948.9	1870	311.6	329.4	347.2	704716.4	7.03	W1000X483	
171-1774	IZ [®]	317.3	69.8	67.6	71.5	75.3	5273.6	21.85	W40X327	W1
		17057.2	1774	330.2	349	367.8	720157.6	6.66	W1000X486	
172-1775	IZ [®]	318.9	69.9	68.5	72.3	76.2	5315.6	21.88	W40X331	W1
		17146.9	1775	334.5	353.2	372	725896.6	6.67	W1000X494	

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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)	
173-1868	IZ®	322.4	73.5	58.6	62.2	65.9	5583.9	23.62	W44X290	W1
		17331.8	1868	285.9	303.7	321.5	762526.9	7.2	W1100X433	
178-1893	IZ®	330.4	74.5	74.2	77.8	81.4	5272.4	22.93	W36X393	W1
		17763.8	1893	362.1	379.7	397.3	719989.6	6.99	W920X585	
180-1853	IZ®	335.1	73	99.5	103.2	106.9	4834.4	21.39	W27X539	W1
		18015.5	1853	486	504	522	660186.9	6.52	W690X802	
182-1873	IZ®	339.4	73.7	69.9	73.5	77.2	5706.9	23.13	W40X362	W1
		18244.8	1873	341.3	359	376.8	779334.1	7.05	W1000X539	
185-1874	IZ®	344.7	73.8	71.5	75.1	78.8	5831.5	23.16	W40X372	W1
		18530.7	1874	349	366.8	384.6	796342	7.06	W1000X554	
188-1871	IZ®	350	73.7	65.4	69.1	72.7	6264.2	23.69	W44X335	W1
		18816.2	1871	319.4	337.2	355	855427	7.22	W1100X499	
193-1897	IZ®	359	74.7	81.3	84.9	88.5	5883.9	23.03	W36X439	W1
		19303.6	1897	397	414.5	432.1	803503.4	7.02	W920X653	
194-1780	IZ®	361.3	70.1	78.7	82.5	86.4	6294.7	22.05	W40X392	W1
		19425.6	1780	384.2	402.9	421.6	859599.8	6.72	W1000X584	
195-1875	IZ®	363.3	73.8	75.5	79.1	82.8	6251.3	23.2	W40X397	W1
		19532.1	1875	368.5	386.3	404.1	853675.3	7.07	W1000X591	
207-1878	IZ®	384.6	73.9	80.9	84.6	88.2	6745.5	23.29	W40X431	W1
		20678.3	1878	395.1	412.8	430.6	921161.8	7.1	W1000X642	
223-1903	IZ®	414.1	74.9	95.1	98.7	102.2	7103.1	23.23	W36X527	W1
		22262.1	1903	464.2	481.7	499.2	969985.6	7.08	W920X784	
233-1883	IZ®	433.4	74.1	92.4	96	99.7	7897.7	23.46	W40X503	W1
		23300	1883	451.2	468.9	486.5	1078496.9	7.15	W1000X748	
264-1912	IZ®	490.1	75.3	114.1	117.7	121.3	8864.3	23.49	W36X650	W1
		26350.7	1912	557.2	574.7	592.1	1210497.7	7.16	W920X967	
266-1890	IZ®	495	74.4	107	110.6	114.2	9397.8	23.65	W40X593	W1
		26611.7	1890	522.2	539.8	557.4	1283354.3	7.21	W1000X883	

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314-1923	IZ [®]	584.1	75.7	136.9	140.4	144	11151.4	23.82	W36X798	W1
		31403.5	1923	668.4	685.7	703	1522820.6	7.26	W920X1188	

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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)	
27-1472	IZ®	51	57.9	21.2	25.8	30.4	372.4	16.11	W18X35	W2
		2740.3	1471.6	103.3	125.9	148.6	50858.5	4.91	W460X52	
27-1498	IZ®	51	59	21.8	26.4	30.9	363.8	16.17	W16X40	W2
		2741.2	1497.6	106.5	128.8	151	49680.4	4.93	W410X60	
28-1499	IZ®	52.6	59	22.8	27.4	31.9	377.7	16.21	W16X45	W2
		2828.3	1498.6	111.5	133.7	155.9	51584.2	4.94	W410X67	
29-1473	IZ®	53.5	58	22.2	26.8	31.4	395	16.17	W18X40	W2
		2876	1472.6	108.3	130.9	153.5	53941.4	4.93	W460X60	
29-1500	IZ®	54.3	59	23.8	28.4	32.9	392.7	16.24	W16X50	W2
		2921.5	1499.6	116.4	138.6	160.8	53624.4	4.95	W410X75	
30-1474	IZ®	55.8	58	23.4	28	32.7	416.7	16.21	W18X46	W2
		3000.1	1473.6	114.3	136.9	159.5	56898.6	4.94	W460X68	
31-1501	IZ®	56.7	59.1	25.2	29.8	34.3	413.2	16.27	W16X57	W2
		3047.8	1500.6	123.1	145.3	167.4	56429.7	4.96	W410X85	
31-1510	IZ®	56.7	59.4	23.6	28.1	32.7	424.9	16.67	W18X50	W2
		3048.9	1509.6	115.4	137.4	159.5	58019.3	5.08	W460X74	
31-1485	IZ®	58.2	58.4	22.8	27.4	32	454.6	16.77	W21X44	W2
		3127.4	1484.6	111.5	134	156.4	62083.5	5.11	W530X66	
32-1718	IZ®	58.7	67.6	27.5	31.5	35.4	421.6	18.9	HP16x88	W2
		3153.3	1718.1	134.2	153.6	173	57570.5	5.76	HP410x131	
32-1511	IZ®	58.8	59.5	24.7	29.2	33.7	444.3	16.67	W18X55	W2
		3159.2	1510.6	120.7	142.7	164.8	60671.7	5.08	W460X82	
32-1580	IZ®	59.2	62.2	26.1	30.4	34.7	434.1	17.29	W16X67	W2
		3183.2	1579.6	127.3	148.4	169.5	59274.5	5.27	W410X100	
32-1527	IZ®	59.2	60.1	23	27.5	31.9	466.3	17.32	W21X48	W2
		3184.8	1526.6	112.3	134.1	156	63678.7	5.28	W530X72	
33-1512	IZ®	60.8	59.5	25.7	30.2	34.7	463.6	16.7	W18X60	W2
		3270	1511.6	125.3	147.3	169.3	63313.5	5.09	W460X89	

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33-1486	IZ®	61.4	58.5	24	28.6	33.2	486.7	16.8	W21X50	W2
		3299.3	1485.6	117.4	139.8	162.2	66469.9	5.12	W530X74	
34-1581	IZ®	62.6	62.2	28	32.3	36.6	464.5	17.32	W16X77	W2
		3367.8	1580.6	136.7	157.8	178.8	63435.6	5.28	W410X114	
34-1720	IZ®	62.7	67.7	29.9	33.9	37.9	455.4	18.96	HP16x101	W2
		3373.5	1719.6	146.1	165.5	184.9	62191.6	5.78	HP410x151	
34-1513	IZ®	62.8	59.6	26.6	31.1	35.6	482.5	16.73	W18X65	W2
		3375.8	1512.6	129.9	151.9	173.9	65891.9	5.1	W460X97	
34-1529	IZ®	63.2	60.2	24.4	28.9	33.4	506.2	17.36	W21X55	W2
		3400.3	1528.6	119.3	141.1	162.8	69130.2	5.29	W530X82	
35-1514	IZ®	65	59.6	27.9	32.4	36.9	504	16.77	W18X71	W2
		3492.6	1513.6	136	158	180	68831.6	5.11	W460X106	
35-1600	IZ®	65.4	63	27.3	31.5	35.8	506.8	17.85	W18X76	W2
		3516.3	1599.6	133.1	153.9	174.8	69204.1	5.44	W460X113	
35-1486	IZ®	65.5	58.5	25.5	30.1	34.6	528.6	16.83	W21X57	W2
		3520.5	1485.6	124.3	146.7	169.1	72189.8	5.13	W530X85	
36-1583	IZ®	66.8	62.3	30.3	34.6	38.9	501.8	17.39	W16X89	W2
		3591.9	1582.6	147.9	169	190	68524.8	5.3	W410X132	
36-1529	IZ®	67.3	60.2	25.8	30.3	34.7	547.5	17.39	W21X62	W2
		3618.8	1528.6	125.9	147.7	169.5	74761.9	5.3	W530X92	
37-1723	IZ®	68.6	67.8	33.4	37.4	41.3	507.2	19.03	HP16x121	W2
		3690.1	1722.8	163.2	182.6	201.9	69256.6	5.8	HP410x181	
37-1498	IZ®	69.3	59	24.9	29.5	34	586.7	17.42	W24X55	W2
		3725.3	1497.6	121.7	144	166.2	80116.3	5.31	W610X82	
37-1602	IZ®	69.4	63.1	29.1	33.4	37.7	545.2	17.91	W18X86	W2
		3732.8	1601.6	142.3	163.1	183.8	74447	5.46	W460X128	
38-1530	IZ®	70.5	60.2	26.9	31.4	35.9	580.6	17.42	W21X68	W2
		3788.2	1529.6	131.5	153.3	175	79279.3	5.31	W530X101	

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38-1585	IZ®	70.8	62.4	32.4	36.7	41	538.8	17.42	W16X100	W2
		3805.7	1584.6	158.2	179.2	200.2	73575.5	5.31	W410X149	
39-1531	IZ®	72.9	60.3	28	32.4	36.9	606.5	17.45	W21X73	W2
		3918.5	1530.6	136.6	158.3	180.1	82821.8	5.32	W530X109	
40-1499	IZ®	73.6	59	26.3	30.9	35.4	634.5	17.45	W24X62	W2
		3954.9	1498.6	128.5	150.7	172.9	86653.1	5.32	W610X92	
40-1603	IZ®	73.9	63.1	31.2	35.5	39.7	588.8	17.95	W18X97	W2
		3972.8	1602.6	152.5	173.2	194	80411.8	5.47	W460X144	
40-1726	IZ®	74.4	68	36.9	40.9	44.8	556.5	19.06	HP16x141	W2
		4002.5	1726	180.2	199.5	218.8	75998	5.81	HP410x211	
41-1548	IZ®	76.7	60.9	26.6	31	35.4	669.9	18.11	W24X68	W2
		4125.4	1547.6	130	151.5	173	91484.3	5.52	W610X101	
41-1770	IZ®	76.9	69.7	34.9	38.8	42.6	606.8	19.91	HP18x135	W2
		4136.1	1770.4	170.6	189.4	208.2	82857.4	6.07	HP360x202	
42-1604	IZ®	77.2	63.1	32.9	37.2	41.4	622	17.98	W18X106	W2
		4148.4	1603.6	160.7	181.5	202.2	84943.3	5.48	W460X158	
42-1532	IZ®	77.5	60.3	29.8	34.3	38.7	656.9	17.49	W21X83	W2
		4167.1	1531.6	145.7	167.4	189.2	89700.7	5.33	W530X123	
43-1729	IZ®	80.7	68.1	40.4	44.4	48.3	613.4	19.16	HP16x162	W2
		4338	1729.2	197.5	216.7	236	83771.7	5.84	HP410x242	
44-1548	IZ®	82	60.9	28.2	32.6	37	730.3	18.14	W24X76	W2
		4410.5	1547.6	137.6	159.1	180.6	99735.1	5.53	W610X113	
44-1534	IZ®	82.1	60.4	31.8	36.2	40.7	708.4	17.52	W21X93	W2
		4413.5	1533.6	155.2	176.9	198.7	96732	5.34	W530X138	
44-1606	IZ®	82.6	63.2	35.4	39.6	43.9	676.9	18.01	W18X119	W2
		4439.5	1605.6	172.7	193.4	214.2	92433	5.49	W460X177	
45-1718	IZ®	82.7	67.6	43.2	47.1	51.1	604.6	18.83	W14X176	W2
		4447.8	1717.6	210.8	230.2	249.6	82569.3	5.74	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)	
45-1774	IZ®	83.8	69.8	38.6	42.4	46.2	671.3	19.98	HP18x157	W2
		4503.7	1773.6	188.2	207	225.8	91671.8	6.09	HP360x234	
45-1632	IZ®	84.5	64.2	31.5	35.6	39.8	731.6	18.8	W21X101	W2
		4542.7	1631.6	153.6	174	194.4	99911.4	5.73	W530X150	
47-1739	IZ®	86.5	68.5	44	48	51.9	667.6	19.29	HP16x183	W2
		4653	1738.7	215	234.2	253.3	91170.1	5.88	HP410x272	
47-1549	IZ®	87.1	61	29.7	34.1	38.5	788.8	18.18	W24X84	W2
		4680.4	1548.6	145.1	166.6	188.1	107711.3	5.54	W610X125	
47-1603	IZ®	87.8	63.1	37.5	41.8	46.1	731.5	18.04	W18X130	W2
		4720.9	1602.6	183.3	204.1	224.9	99888.3	5.5	W460X193	
47-1719	IZ®	88	67.7	46.1	50.1	54.1	651.1	18.9	W14X193	W2
		4730.4	1718.6	225.3	244.7	264.1	88918.3	5.76	W360X287	
48-1633	IZ®	88.8	64.3	33.3	37.5	41.7	779.6	18.83	W21X111	W2
		4774.1	1632.6	162.6	183	203.4	106463.4	5.74	W530X165	
49-1777	IZ®	91.9	70	42.6	46.4	50.2	749.9	20.05	HP18x181	W2
		4940.7	1776.8	207.9	226.6	245.3	102410.4	6.11	HP360x269	
50-1550	IZ®	92.9	61	31.8	36.2	40.6	860.3	18.21	W24X94	W2
		4995.7	1549.6	155.1	176.6	198.1	117478.3	5.55	W610X140	
50-1605	IZ®	93.2	63.2	39.9	44.2	48.4	788.8	18.08	W18X143	W2
		5012.4	1604.6	194.8	215.6	236.3	107719.9	5.51	W460X213	
50-1721	IZ®	93.2	67.7	49.3	53.2	57.2	699	18.93	W14X211	W2
		5013.3	1720.6	240.6	259.9	279.3	95457.4	5.77	W360X314	
51-1635	IZ®	93.8	64.4	35.2	39.4	43.6	837.1	18.86	W21X122	W2
		5045.3	1634.6	172	192.4	212.8	114308	5.75	W530X182	
51-1573	IZ®	94.5	61.9	29.4	33.7	38	909.6	18.9	W27X84	W2
		5079.8	1572.6	143.4	164.6	185.7	124216	5.76	W690X125	
51-1644	IZ®	95.1	64.7	31.8	36	40.1	887.5	19.39	W24X104	W2
		5111.4	1643.6	155.3	175.6	195.9	121195.7	5.91	W610X155	

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53-1636	IZ®	98.5	64.4	37.1	41.3	45.4	889.3	18.9	W21X132	W2
		5294.5	1635.6	181.1	201.4	221.8	121447	5.76	W530X196	
53-1549	IZ®	98.7	61	33.5	37.9	42.3	930.2	18.21	W24X103	W2
		5304.1	1548.6	163.4	184.9	206.4	127020.9	5.55	W610X153	
53-1607	IZ®	98.9	63.3	42.7	46.9	51.1	850.9	18.14	W18X158	W2
		5319.5	1606.6	208.3	229	249.7	116203.4	5.53	W460X235	
53-1650	IZ®	99.2	64.9	59	63.1	67.3	737	17.88	W12X252	W2
		5334.4	1649.6	288	308.2	328.4	100640.3	5.45	W310X375	
54-1724	IZ®	99.5	67.9	53.1	57.1	61	758.8	19.03	W14X233	W2
		5349.7	1723.6	259.3	278.6	297.9	103620.5	5.8	W360X347	
54-1780	IZ®	99.7	70.1	46.6	50.4	54.2	830.9	20.11	HP18x204	W2
		5361.2	1780	227.4	246.1	264.8	113468.1	6.13	HP460x304	
55-1574	IZ®	101.9	62	31.2	35.5	39.9	1004.5	18.96	W27X94	W2
		5481	1573.6	152.3	173.4	194.6	137166.8	5.78	W690X140	
55-1645	IZ®	102.3	64.7	34.1	38.3	42.4	975.1	19.42	W24X117	W2
		5498.3	1644.6	166.7	187	207.2	133152	5.92	W610X174	
57-1638	IZ®	105.4	64.5	39.9	44.1	48.2	970.4	18.96	W21X147	W2
		5665.7	1637.6	194.7	215.1	235.4	132522.1	5.78	W530X219	
57-1609	IZ®	106.3	63.3	45.8	50	54.3	932.4	18.21	W18X175	W2
		5715.6	1608.6	223.6	244.3	265	127328.8	5.55	W460X260	
57-1726	IZ®	106.5	67.9	57.3	61.3	65.2	827.8	19.09	W14X257	W2
		5724.6	1725.6	279.9	299.2	318.5	113047	5.82	W360X382	
57-1654	IZ®	106.7	65.1	63.7	67.8	72	812.6	17.98	W12X279	W2
		5737.5	1653.6	311.1	331.2	351.3	110967.8	5.48	W310X415	
58-1584	IZ®	107.5	62.3	30.2	34.5	38.8	1113	19.52	W30X90	W2
		5778.8	1583.6	147.4	168.4	189.4	151992.3	5.95	W760X134	
58-1574	IZ®	108	62	32.8	37.2	41.5	1083.5	19	W27X102	W2
		5806.2	1573.6	160.3	181.4	202.6	147958.3	5.79	W690X152	

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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)	
59-1647	IZ®	109.9	64.8	36.7	40.9	45	1071.9	19.49	W24X131	W2
		5910.7	1646.6	179.4	199.6	219.8	146374.1	5.94	W610X195	
61-1585	IZ®	113.3	62.4	32	36.3	40.6	1199	19.55	W30X99	W2
		6092.3	1584.6	156.2	177.2	198.2	163736	5.96	W760X147	
62-1656	IZ®	114.5	65.2	68.5	72.6	76.7	893.9	18.08	W12X305	W2
		6155.9	1655.6	334.4	354.5	374.6	122075.8	5.51	W310X454	
62-1729	IZ®	114.7	68.1	61.8	65.7	69.7	909.2	19.16	W14X283	W2
		6165.4	1728.6	301.7	320.9	340.2	124164.5	5.84	W360X421	
62-1576	IZ®	115.2	62	35	39.4	43.7	1182.4	19.03	W27X114	W2
		6194.3	1575.6	171	192.2	213.3	161466.7	5.8	W690X170	
63-1635	IZ®	116.6	64.4	43.5	47.7	51.8	1103.2	18.96	W21X166	W2
		6268.4	1634.6	212.4	232.8	253.1	150653.1	5.78	W530X248	
64-1648	IZ®	119.2	64.9	39.4	43.6	47.7	1187.1	19.55	W24X146	W2
		6408.1	1647.6	192.6	212.8	233	162104.1	5.96	W610X217	
65-1586	IZ®	120.7	62.4	33.7	38	42.3	1304.3	19.59	W30X108	W2
		6491.4	1585.6	164.5	185.5	206.5	178112.2	5.97	W760X161	
66-1732	IZ®	122.8	68.2	66.6	70.5	74.5	995.3	19.26	W14X311	W2
		6604	1731.6	325.2	344.4	363.6	135910.8	5.87	W360X463	
66-1660	IZ®	123.3	65.3	74	78.1	82.3	987.8	18.18	W12X336	W2
		6630.3	1659.6	361.5	381.6	401.6	134891.7	5.54	W310X500	
67-1638	IZ®	123.8	64.5	46.5	50.6	54.8	1192.8	19.03	W21X182	W2
		6656.7	1637.6	226.9	247.2	267.5	162892.1	5.8	W530X272	
68-1574	IZ®	126	62	37.9	42.3	46.6	1331.5	19.06	W27X129	W2
		6776.1	1573.6	185.2	206.4	227.5	181834.7	5.81	W690X192	
69-1587	IZ®	127.6	62.5	35.3	39.6	43.9	1403.1	19.62	W30X116	W2
		6860.9	1586.6	172.3	193.3	214.3	191602.3	5.98	W760X173	
69-1649	IZ®	128	64.9	42.4	46.6	50.7	1303.3	19.59	W24X162	W2
		6880.4	1648.6	207.3	227.4	247.6	177982.2	5.97	W610X241	

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71-1736	IZ®	132.3	68.3	71.9	75.8	79.8	1098	19.36	W14X342	W2
		7114.9	1735.6	351.1	370.3	389.5	149945	5.9	W360X509	
71-1675	IZ®	132.6	65.9	38.9	43	47.1	1420.4	20.34	W27X146	W2
		7128.6	1674.6	190	209.9	229.7	193965.5	6.2	W690X217	
72-1639	IZ®	132.9	64.5	50	54.1	58.3	1308	19.09	W21X201	W2
		7146.6	1638.6	244	264.3	284.6	178615.8	5.82	W530X300	
72-1587	IZ®	134.1	62.5	36.7	41	45.3	1496.9	19.65	W30X124	W2
		7210.4	1586.6	179.2	200.2	221.2	204418.7	5.99	W760X185	
73-1647	IZ®	136.2	64.8	44.9	49.1	53.2	1411.5	19.59	W24X176	W2
		7323	1646.6	219.4	239.6	259.9	192748.5	5.97	W610X262	
75-1588	IZ®	139.9	62.5	38.3	42.6	46.9	1585.9	19.69	W30X132	W2
		7519.2	1587.6	187	208	229	216571.5	6	W760X196	
76-1612	IZ®	140.4	63.4	35	39.3	43.5	1650.7	20.44	W33X118	W2
		7546.1	1611.6	171.1	191.8	212.4	225413.9	6.23	W840X176	
76-1738	IZ®	141.5	68.4	76.7	80.7	84.6	1197.2	19.42	W14X370	W2
		7607.2	1737.6	374.6	393.8	413	163490.8	5.92	W360X551	
76-1676	IZ®	141.6	66	41.7	45.7	49.8	1550.1	20.37	W27X161	W2
		7612.2	1675.6	203.4	223.3	243.2	211681.8	6.21	W690X240	
78-1649	IZ®	144.1	64.9	47.8	51.9	56.1	1521.4	19.65	W24X192	W2
		7749.5	1648.6	233.4	253.6	273.8	207756.7	5.99	W610X285	
81-1741	IZ®	150	68.5	81.5	85.4	89.3	1296.2	19.49	W14X398	W2
		8063.9	1740.6	397.9	417	436.2	177008.2	5.94	W360X592	
81-1678	IZ®	151	66	44.7	48.8	52.8	1686.8	20.44	W27X178	W2
		8116	1677.6	218.2	238	257.9	230352.3	6.23	W690X265	
81-1612	IZ®	151.1	63.4	37.3	41.6	45.8	1821	20.47	W33X130	W2
		8126.3	1611.6	182.3	203	223.6	248672.3	6.24	W840X193	
82-1650	IZ®	152.4	64.9	50.6	54.7	58.9	1636.3	19.69	W24X207	W2
		8194.1	1649.6	247.1	267.3	287.5	223453.2	6	W610X307	

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82-1586	IZ®	153	62.4	41.4	45.7	50	1786.4	19.72	W30X148	W2
		8227.9	1585.6	202.1	223.1	244.1	243949.4	6.01	W760X220	
86-1744	IZ®	159.3	68.6	86.2	90.2	94.1	1403.2	19.59	W14X426	W2
		8564.3	1743.6	421.1	440.2	459.3	191623.7	5.97	W360X634	
87-1613	IZ®	160.9	63.5	39.4	43.6	47.9	1980.5	20.51	W33X141	W2
		8649.8	1612.6	192.4	213.1	233.7	270453.3	6.25	W840X210	
87-1676	IZ®	162.6	66	47.6	51.7	55.8	1856.3	20.44	W27X194	W2
		8743.2	1675.6	232.5	252.4	272.2	253496.4	6.23	W690X289	
88-1653	IZ®	163.7	65.1	54.6	58.7	62.9	1796.9	19.78	W24X229	W2
		8798.7	1652.6	266.6	286.7	306.9	245379.6	6.03	W610X341	
88-1701	IZ®	163.9	67	43.1	47.1	51.2	1954.6	21.19	W30X173	W2
		8811.8	1700.6	210.6	230.2	249.8	266922.7	6.46	W760X257	
88-1624	IZ®	164.4	63.9	38	42.2	46.4	2106.7	21.03	W36X135	W2
		8840.2	1623.6	185.3	205.8	226.3	287687.2	6.41	W920X201	
90-1748	IZ®	167.7	68.8	91.1	95	98.9	1505.2	19.69	W14X455	W2
		9013.8	1747.6	444.8	463.9	482.9	205549.2	6	W360X677	
91-1614	IZ®	170	63.5	41.5	45.7	49.9	2133.5	20.57	W33X152	W2
		9140.7	1613.6	202.5	223.1	243.8	291346.8	6.27	W840X226	
94-1655	IZ®	175.1	65.1	58.4	62.5	66.7	1962.3	19.85	W24X250	W2
		9413.9	1654.6	285.3	305.4	325.5	267970.9	6.05	W610X372	
95-1702	IZ®	175.7	67	46.3	50.3	54.3	2142.7	21.23	W30X191	W2
		9446.3	1701.6	226.2	245.7	265.3	292600.2	6.47	W760X284	
95-1679	IZ®	176.2	66.1	51.7	55.8	59.9	2062.1	20.54	W27X217	W2
		9471.6	1678.6	252.7	272.5	292.3	281592	6.26	W690X323	
97-1624	IZ®	179.5	63.9	40.8	45	49.2	2368.6	21.1	W36X150	W2
		9653	1623.6	199.3	219.8	240.3	323451.2	6.43	W920X223	
98-1752	IZ®	182.5	69	98.7	102.6	106.5	1690	19.78	W14X500	W2
		9814	1751.6	481.9	500.9	519.9	230778.8	6.03	W360X744	

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99-1612	IZ®	184.5	63.4	44.5	48.8	53	2376.1	20.57	W33X169	W2
		9917.8	1611.6	217.4	238	258.7	324481.6	6.27	W840X251	
100-1680	IZ®	186.1	66.1	55.1	59.1	63.2	2217.7	20.57	W27X235	W2
		10004.3	1679.6	268.9	288.7	308.5	302845.7	6.27	W690X350	
101-1625	IZ®	187.9	64	42.7	46.9	51.1	2520.7	21.13	W36X160	W2
		10103.7	1624.6	208.4	228.9	249.4	344222.9	6.44	W920X238	
101-1704	IZ®	188.5	67.1	49.9	53.9	57.9	2352.4	21.29	W30X211	W2
		10134.4	1703.6	243.4	263	282.5	321244.6	6.49	W760X314	
102-1620	IZ®	188.9	63.8	40.7	44.9	49.1	2613.9	21.42	W40X149	W2
		10156.2	1619.6	198.8	219.4	240	356944.4	6.53	W1000X222	
102-1658	IZ®	189.6	65.3	63.7	67.8	71.9	2178.5	19.91	W24X279	W2
		10190.9	1657.6	310.8	330.9	351	297495.5	6.07	W610X415	
106-1626	IZ®	196.5	64	44.5	48.7	52.9	2676.6	21.16	W36X170	W2
		10562.7	1625.6	217.4	237.9	258.4	365517.8	6.45	W920X253	
107-1757	IZ®	199.1	69.2	106.8	110.7	114.6	1903.6	19.95	W14X550	W2
		10706	1756.6	521.6	540.6	559.5	259958.6	6.08	W360X818	
107-1682	IZ®	199.4	66.2	59	63.1	67.1	2427.4	20.64	W27X258	W2
		10721.7	1681.6	288.1	307.9	327.7	331485	6.29	W690X384	
107-1720	IZ®	199.6	67.7	47.6	51.6	55.5	2646.4	21.95	W33X201	W2
		10732	1719.6	232.5	251.8	271.2	361386.1	6.69	W840X299	
110-1660	IZ®	203.7	65.3	68.4	72.5	76.6	2395.1	19.98	W24X306	W2
		10953.9	1659.6	334.1	354.1	374.2	327071.7	6.09	W610X455	
111-1627	IZ®	205.5	64	46.8	51	55.2	2847.6	21.19	W36X182	W2
		11048.7	1626.6	228.4	248.9	269.3	388869.5	6.46	W920X271	
111-1702	IZ®	205.5	67	54.2	58.2	62.2	2631.9	21.33	W30X235	W2
		11050.8	1701.6	264.5	284	303.6	359406.7	6.5	W760X350	
113-1620	IZ®	209.3	63.8	44.1	48.3	52.5	2992.1	21.49	W40X167	W2
		11255.3	1619.6	215.3	235.9	256.4	408603.6	6.55	W1000X249	

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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)	
115-1684	IZ®	212.9	66.3	63.2	67.3	71.3	2645.7	20.7	W27X281	W2
		11448.7	1683.6	308.8	328.6	348.3	361296.7	6.31	W690X419	
115-1721	IZ®	214	67.7	51.1	55.1	59.1	2902.2	22.01	W33X221	W2
		11503.6	1720.6	249.7	269	288.4	396319.4	6.71	W840X329	
115-1628	IZ®	214.1	64.1	48.9	53.1	57.3	3012.8	21.23	W36X194	W2
		11512.1	1627.6	238.9	259.3	279.8	411422.6	6.47	W920X289	
117-1762	IZ®	218	69.4	116.6	120.4	124.3	2155.5	20.08	W14X605	W2
		11720.6	1761.6	569.2	588.1	607	294349	6.12	W360X900	
118-1663	IZ®	218.6	65.5	73.7	77.8	81.9	2628	20.08	W24X335	W2
		11752.1	1662.6	359.9	379.9	400	358879.3	6.12	W610X498	
119-1705	IZ®	221	67.1	58.8	62.8	66.8	2898.4	21.39	W30X261	W2
		11881.1	1704.6	287	306.6	326.1	395801	6.52	W760X389	
121-1629	IZ®	225.6	64.1	52	56.1	60.3	3237.2	21.26	W36X210	W2
		12131.6	1628.6	253.7	274.1	294.6	442075	6.48	W920X313	
122-1687	IZ®	226.9	66.4	67.7	71.8	75.8	2875.2	20.77	W27X307	W2
		12196.6	1686.6	330.6	350.3	370.1	392631.5	6.33	W690X457	
123-1723	IZ®	227.9	67.8	54.6	58.6	62.5	3153.6	22.08	W33X241	W2
		12252.8	1722.6	266.7	286	305.4	430653	6.73	W840X359	
123-1620	IZ®	228.7	63.8	47.1	51.3	55.5	3357.4	21.56	W40X183	W2
		12293.4	1619.6	229.9	250.4	271	458479.5	6.57	W1000X272	
125-1720	IZ®	232.4	67.7	47.1	51.1	55.1	3446.5	22.8	W40X199	W2
		12497.1	1719.6	230.2	249.6	268.9	470646	6.95	W1000X296	
125-1738	IZ®	233.1	68.4	52.1	56	60	3335	22.57	W36X230	W2
		12530	1737.6	254.5	273.6	292.8	455429.1	6.88	W920X342	
127-1667	IZ®	236.4	65.6	80	84.1	88.2	2914.8	20.18	W24X370	W2
		12708.4	1666.6	390.6	410.6	430.6	398046.9	6.15	W610X551	
128-1768	IZ®	238.1	69.6	126.2	130	133.9	2440.5	20.24	W14X665	W2
		12801.1	1767.6	616.1	634.9	653.8	333265.7	6.17	W360X990	

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130-1707	IZ®	240.9	67.2	64.2	68.2	72.2	3242.7	21.46	W30X292	W2
		12950.9	1706.6	313.4	332.9	352.4	442826	6.54	W760X434	
131-1690	IZ®	243.5	66.5	72.8	76.9	80.9	3155.1	20.87	W27X336	W2
		13089.3	1689.6	355.5	375.3	395	430861.6	6.36	W690X500	
131-1739	IZ®	244.4	68.4	54.8	58.7	62.6	3548.1	22.6	W36X245	W2
		13137.4	1738.6	267.4	286.6	305.7	484518.2	6.89	W920X365	
132-1628	IZ®	245.6	64.1	55.9	60.1	64.3	3619.5	21.29	W36X232	W2
		13203.7	1627.6	273.1	293.6	314	494278.1	6.49	W920X345	
132-1721	IZ®	245.7	67.7	58.6	62.6	66.5	3477.4	22.08	W33X263	W2
		13209.1	1720.6	286.2	305.5	324.9	474868.9	6.73	W840X392	
135-1620	IZ®	250.7	63.8	52.3	56.6	60.8	3817.2	21.59	W40X211	W2
		13477.2	1619.6	255.6	276.1	296.7	521276.3	6.58	W1000X314	
135-1720	IZ®	251	67.7	50.1	54.1	58.1	3806.5	22.87	W40X215	W2
		13497	1719.6	244.8	264.2	283.5	519811.2	6.97	W1000X321	
137-1740	IZ®	255.4	68.5	57.3	61.2	65.2	3761.8	22.64	W36X260	W2
		13731.8	1739.6	279.9	299	318.2	513705.9	6.9	W920X387	
140-1710	IZ®	260.9	67.3	70.1	74.1	78.1	3601.9	21.56	W30X326	W2
		14028.4	1709.6	342.2	361.7	381.2	491876.4	6.57	W760X484	
140-1692	IZ®	261.1	66.6	78.5	82.6	86.6	3458.5	20.93	W27X368	W2
		14036.5	1691.6	383.4	403.1	422.8	472294.7	6.38	W690X548	
141-1774	IZ®	261.3	69.8	136.6	140.5	144.3	2774.7	20.41	W14X730	W2
		14050.4	1773.6	667.1	685.9	704.7	378912.1	6.22	W360X1086	
141-1630	IZ®	263	64.2	60.5	64.7	68.9	3973.2	21.36	W36X256	W2
		14141.4	1629.6	295.4	315.8	336.3	542569.3	6.51	W920X381	
142-1724	IZ®	264.1	67.9	63.5	67.4	71.4	3825.5	22.18	W33X291	W2
		14201	1723.6	309.8	329.1	348.5	522403.9	6.76	W840X433	
145-1622	IZ®	269.2	63.8	56.7	60.9	65.2	4210.6	21.65	W40X235	W2
		14474.5	1621.6	277	297.6	318.1	574993.5	6.6	W1000X350	

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146-1742	IZ®	270.8	68.6	60.9	64.8	68.7	4063.7	22.7	W36X280	W2
		14560.2	1741.6	297.1	316.3	335.4	554931.8	6.92	W920X417	
149-1720	IZ®	277.3	67.7	56.1	60.1	64.1	4354.8	22.9	W40X249	W2
		14910.1	1719.6	274	293.4	312.7	594684.3	6.98	W1000X371	
150-1791	IZ®	279.7	70.5	148.8	152.6	156.4	3037.2	20.57	W14X808	W2
		15039.2	1790.6	726.5	745.1	763.7	414763.3	6.27	W360X1202	
151-1713	IZ®	280.2	67.4	75.5	79.5	83.5	3954.5	21.65	W30X357	W2
		15064.4	1712.6	368.6	388.1	407.5	540021.5	6.6	W760X531	
152-1726	IZ®	282.3	67.9	68.1	72.1	76	4173.6	22.24	W33X318	W2
		15178.6	1725.6	332.7	352	371.3	569938	6.78	W840X473	
153-1743	IZ®	284.7	68.6	64.3	68.2	72.2	4337.6	22.74	W36X300	W2
		15306.8	1742.6	314.1	333.2	352.3	592338.3	6.93	W920X446	
153-1720	IZ®	285.2	67.7	52.8	56.7	60.7	4755.1	23.49	W44X230	W2
		15331.6	1719.6	257.6	276.9	296.3	649344.3	7.16	W1100X343	
155-1623	IZ®	288.4	63.9	62.2	66.4	70.6	4635.6	21.72	W40X264	W2
		15504.1	1622.6	303.5	324	344.5	633031.9	6.62	W1000X393	
160-1624	IZ®	298.1	63.9	64.9	69.1	73.3	4852.4	21.72	W40X278	W2
		16025.3	1623.6	316.8	337.3	357.8	662643.2	6.62	W1000X415	
160-1722	IZ®	298.2	67.8	60.9	64.9	68.8	4800.2	22.97	W40X277	W2
		16033.9	1721.6	297.4	316.8	336.1	655516.4	7	W1000X412	
162-1716	IZ®	300.3	67.5	81.6	85.5	89.5	4332.3	21.72	W30X391	W2
		16147.6	1715.6	398.2	417.6	437	591608.8	6.62	W760X582	
164-1742	IZ®	304.9	68.6	69.2	73.1	77	4745	22.77	W36X328	W2
		16392.1	1741.6	337.7	356.8	376	647966.4	6.94	W920X488	
164-1729	IZ®	305.4	68.1	74.3	78.3	82.2	4626.4	22.31	W33X354	W2
		16420.5	1728.6	363	382.2	401.5	631780.3	6.8	W840X527	
167-1722	IZ®	309.7	67.8	64.6	68.5	72.5	5061.4	22.97	W40X297	W2
		16652.2	1721.6	315.2	334.5	353.9	691180.9	7	W1000X443	

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169-1720	IZ®	314.8	67.7	58.5	62.4	66.4	5422.7	23.56	W44X262	W2
		16927.2	1719.6	285.4	304.8	324.2	740524.5	7.18	W1100X390	
175-1745	IZ®	325.1	68.7	74.4	78.3	82.2	5160.7	22.83	W36X359	W2
		17475.9	1744.6	363.2	382.3	401.4	704736.4	6.96	W920X534	
176-1731	IZ®	326.6	68.1	80.1	84	88	5053.7	22.41	W33X387	W2
		17557.3	1730.6	391.1	410.4	429.6	690128.6	6.83	W840X576	
178-1724	IZ®	331.4	67.9	69.2	73.2	77.2	5527.9	23.06	W40X324	W2
		17818.6	1723.6	338.1	357.4	376.7	754883.5	7.03	W1000X483	
180-1628	IZ®	334.9	64.1	73.7	77.9	82.1	5669.1	21.85	W40X327	W2
		18002.8	1627.6	359.9	380.4	400.8	774162	6.66	W1000X486	
181-1629	IZ®	336.7	64.1	74.7	78.8	83	5714	21.88	W40X331	W2
		18101.4	1628.6	364.5	385	405.4	780296.4	6.67	W1000X494	
182-1722	IZ®	338.4	67.8	63.5	67.5	71.5	5974.1	23.62	W44X290	W2
		18191.8	1721.6	310.2	329.5	348.9	815819.1	7.2	W1100X433	
187-1747	IZ®	348.3	68.8	80.4	84.3	88.2	5650.3	22.93	W36X393	W2
		18723.6	1746.6	392.5	411.5	430.6	771596.2	6.99	W920X585	
191-1707	IZ®	355.7	67.2	108.1	112.1	116.1	5205.7	21.39	W27X539	W2
		19123.8	1706.6	527.7	547.2	566.7	710890.7	6.52	W690X802	
192-1727	IZ®	357.5	68	75.8	79.8	83.7	6113.9	23.13	W40X362	W2
		19220.5	1726.6	370.2	389.5	408.8	834908.8	7.05	W1000X539	
195-1728	IZ®	363.3	68	77.5	81.5	85.4	6247.4	23.16	W40X372	W2
		19530.5	1727.6	378.6	397.9	417.2	853136.8	7.06	W1000X554	
198-1725	IZ®	368.3	67.9	71	74.9	78.9	6703.6	23.69	W44X335	W2
		19801.6	1724.6	346.5	365.8	385.1	915437.8	7.22	W1100X499	
204-1751	IZ®	379.2	68.9	88.1	92	95.9	6306.3	23.03	W36X439	W2
		20384.4	1750.6	430.1	449.2	468.2	861185	7.02	W920X653	
206-1634	IZ®	382.6	64.3	85.7	89.9	94.1	6768.7	22.05	W40X392	W2
		20572.2	1633.6	418.7	439.1	459.4	924326.8	6.72	W1000X584	

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206-1729	IZ [®]	383.4	68.1	81.9	85.8	89.8	6698.6	23.2	W40X397	W2
		20611.9	1728.6	399.7	419	438.3	914755.2	7.07	W1000X591	
219-1732	IZ [®]	406.4	68.2	87.8	91.7	95.6	7229.3	23.29	W40X431	W2
		21851.7	1731.6	428.5	447.7	467	987226.1	7.1	W1000X642	
236-1757	IZ [®]	438.5	69.2	103	106.9	110.8	7615.3	23.23	W36X527	W2
		23576.9	1756.6	502.9	521.8	540.8	1039936.1	7.08	W920X784	
247-1737	IZ [®]	459.1	68.4	100.2	104.1	108.1	8467.8	23.46	W40X503	W2
		24685.1	1736.6	489.2	508.4	527.6	1156359.8	7.15	W1000X748	
280-1766	IZ [®]	520.6	69.5	123.6	127.5	131.3	9507.4	23.49	W36X650	W2
		27987.9	1765.6	603.4	622.3	641.2	1298323.4	7.16	W920X967	
283-1744	IZ [®]	525.7	68.6	115.9	119.8	123.8	10081.3	23.65	W40X593	W2
		28263.2	1743.6	566	585.1	604.2	1376687.4	7.21	W1000X883	
334-1777	IZ [®]	621.9	69.9	148.2	152	155.8	11965.5	23.82	W36X798	W2
		33435.9	1776.6	723.4	742.2	760.9	1633997	7.26	W920X1188	

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34-1618	IZ®	62.5	63.7	24.6	30.5	36.5	520.8	17.16	W18X35	W3
		3362.2	1618	119.9	149.1	178.3	71120.8	5.23	W460X52	
35-1619	IZ®	64.6	63.7	25.5	31.5	37.4	540.3	17.22	W18X40	W3
		3473.9	1619	124.4	153.6	182.8	73776.3	5.25	W460X60	
36-1620	IZ®	66.6	63.8	26.6	32.6	38.6	558.8	17.26	W18X46	W3
		3578.2	1620	129.9	159	188.2	76310.6	5.26	W460X68	
36-1656	IZ®	67	65.2	26.7	32.6	38.4	563	17.72	W18X50	W3
		3603.8	1656	130.5	159	187.6	76879.6	5.4	W460X74	
36-1631	IZ®	67.7	64.2	26.1	32	37.9	587	17.81	W21X44	W3
		3638.6	1631	127.3	156.2	185.2	80154.5	5.43	W530X66	
37-1673	IZ®	68.2	65.9	26.1	31.9	37.7	593.6	18.37	W21X48	W3
		3668.5	1673	127.6	155.8	184.1	81067.3	5.6	W530X72	
37-1657	IZ®	68.8	65.2	27.7	33.6	39.4	579.7	17.72	W18X55	W3
		3697.7	1657	135.3	163.9	192.4	79169.8	5.4	W460X82	
38-1632	IZ®	70.3	64.3	27.2	33.1	39	614.7	17.85	W21X50	W3
		3781.5	1632	132.6	161.5	190.5	83936.6	5.44	W530X74	
38-1658	IZ®	70.5	65.3	28.6	34.4	40.3	596.5	17.75	W18X60	W3
		3791.3	1658	139.5	168	196.6	81460.6	5.41	W460X89	
39-1675	IZ®	71.6	65.9	27.4	33.2	39	628.3	18.41	W21X55	W3
		3849.5	1675	133.9	162.1	190.3	85802.6	5.61	W530X82	
39-1659	IZ®	72.2	65.3	29.4	35.3	41.1	612.9	17.78	W18X65	W3
		3881.1	1659	143.7	172.2	200.7	83693.8	5.42	W460X97	
40-1632	IZ®	73.8	64.3	28.4	34.4	40.3	651	17.88	W21X57	W3
		3966.7	1632	138.9	167.8	196.8	88901.9	5.45	W530X85	
40-1746	IZ®	73.9	68.7	29.9	35.4	41	628	18.9	W18X76	W3
		3970.8	1746	146	173.1	200.1	85761.2	5.76	W460X113	
40-1660	IZ®	74.1	65.4	30.6	36.4	42.2	631.5	17.81	W18X71	W3
		3981.6	1660	149.3	177.8	206.3	86237.1	5.43	W460X106	

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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)	
40-1675	IZ®	75	65.9	28.7	34.5	40.2	664.4	18.44	W21X62	W3
		4034.7	1675	140	168.2	196.4	90729.9	5.62	W530X92	
41-1644	IZ®	76.4	64.7	27.9	33.8	39.7	697.8	18.47	W24X55	W3
		4106.3	1644	136.4	165.2	193.9	95295.1	5.63	W610X82	
42-1748	IZ®	77.4	68.8	31.6	37.2	42.7	661.8	18.96	W18X86	W3
		4158.9	1748	154.3	181.4	208.4	90380	5.78	W460X128	
42-1676	IZ®	77.7	66	29.7	35.5	41.3	693.3	18.47	W21X68	W3
		4179.1	1676	145.1	173.3	201.5	94672.6	5.63	W530X101	
43-1677	IZ®	79.8	66	30.6	36.4	42.2	715.9	18.5	W21X73	W3
		4291.8	1677	149.6	177.8	206	97768.8	5.64	W530X109	
43-1645	IZ®	80	64.8	29.2	35.1	41	739.6	18.5	W24X62	W3
		4303	1645	142.5	171.3	200	101002.8	5.64	W610X92	
44-1749	IZ®	81.2	68.9	33.5	39.1	44.6	700.4	19	W18X97	W3
		4368.1	1749	163.7	190.7	217.7	95646.9	5.79	W460X144	
44-1694	IZ®	82.5	66.7	29.4	35.1	40.8	767.9	19.16	W24X68	W3
		4435	1694	143.5	171.4	199.3	104856.9	5.84	W610X101	
45-1678	IZ®	83.8	66.1	32.4	38.1	43.9	760.1	18.54	W21X83	W3
		4507.3	1678	158	186.2	214.3	103802	5.65	W530X123	
45-1750	IZ®	84.1	68.9	35.1	40.6	46.1	729.7	19.03	W18X106	W3
		4522	1750	171.2	198.2	225.3	99640.7	5.8	W460X158	
47-1694	IZ®	87.1	66.7	30.8	36.5	42.3	821.3	19.19	W24X76	W3
		4684.4	1694	150.5	178.4	206.3	112160.6	5.85	W610X113	
47-1680	IZ®	87.8	66.1	34.1	39.9	45.7	805.3	18.57	W21X93	W3
		4722.3	1680	166.7	194.8	223	109974	5.66	W530X138	
48-1752	IZ®	88.9	69	37.3	42.8	48.4	778.2	19.06	W18X119	W3
		4776.9	1752	182.2	209.2	236.2	106270	5.81	W460X177	
48-1778	IZ®	89.5	70	33.7	39.1	44.6	821.1	19.85	W21X101	W3
		4811.2	1778	164.5	191.1	217.7	112132.2	6.05	W530X150	

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49-1695	IZ®	91.6	66.7	32.2	37.9	43.6	873.2	19.23	W24X84	W3
		4922.5	1695	157.3	185.2	213.1	119236.8	5.86	W610X125	
50-1779	IZ®	93.3	70	35.4	40.8	46.3	863.9	19.88	W21X111	W3
		5017.9	1779	172.8	199.4	226	117975.5	6.06	W530X165	
50-1749	IZ®	93.4	68.9	39.3	44.9	50.4	826.8	19.09	W18X130	W3
		5023.7	1749	192	219	246	112909.8	5.82	W460X193	
52-1696	IZ®	96.8	66.8	34.1	39.8	45.5	936.7	19.26	W24X94	W3
		5203.6	1696	166.5	194.4	222.2	127912.6	5.87	W610X140	
52-1923	IZ®	97.1	75.7	43.8	48.8	53.9	837.9	21.1	HP18x181	W3
		5222.9	1923.2	213.8	238.4	263	114420.4	6.43	HP360x269	
53-1781	IZ®	97.8	70.1	37.2	42.6	48	915.2	19.91	W21X122	W3
		5259.6	1781	181.5	208	234.6	124977.1	6.07	W530X182	
53-1719	IZ®	97.8	67.7	31.9	37.5	43.1	977.7	19.95	W27X84	W3
		5260.1	1719	155.6	183.1	210.6	133510.4	6.08	W690X125	
53-1751	IZ®	98.2	68.9	41.5	47	52.5	877.8	19.13	W18X143	W3
		5280.4	1751	202.5	229.5	256.5	119868.3	5.83	W460X213	
53-1790	IZ®	98.4	70.5	34	39.4	44.8	957.1	20.44	W24X104	W3
		5291.2	1790	166.1	192.5	218.9	130699.7	6.23	W610X155	
55-1695	IZ®	101.9	66.7	35.6	41.3	47.1	999.1	19.26	W24X103	W3
		5479.2	1695	174	201.9	229.8	136441.7	5.87	W610X153	
55-1782	IZ®	102	70.2	38.9	44.3	49.7	962.1	19.95	W21X132	W3
		5483.3	1782	189.7	216.3	242.8	131383.2	6.08	W530X196	
56-1753	IZ®	103.3	69	44	49.5	55	933.1	19.19	W18X158	W3
		5553.1	1753	214.8	241.8	268.7	127419	5.85	W460X235	
56-1926	IZ®	104.1	75.8	47.5	52.5	57.6	910.6	21.16	HP18x204	W3
		5598.9	1926.4	231.9	256.4	281	124355.9	6.45	HP460x304	
56-1720	IZ®	104.6	67.7	33.5	39.2	44.8	1062.9	20.01	W27X94	W3
		5622.9	1720	163.7	191.2	218.7	145143.7	6.1	W690X140	

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56-1791	IZ®	104.9	70.5	36.2	41.6	47	1035.9	20.47	W24X117	W3
		5641.5	1791	176.5	202.9	229.3	141464.6	6.24	W610X174	
58-1784	IZ®	108.2	70.2	41.4	46.9	52.3	1034.9	20.01	W21X147	W3
		5817.7	1784	202.3	228.8	255.3	141321.7	6.1	W530X219	
59-1730	IZ®	109.6	68.1	32.6	38.2	43.8	1159.1	20.57	W30X90	W3
		5892.5	1730	159.1	186.5	213.8	158282	6.27	W760X134	
59-1755	IZ®	109.8	69.1	46.9	52.4	57.9	1005.8	19.26	W18X175	W3
		5904.7	1755	228.9	255.8	282.8	137352.9	5.87	W460X260	
59-1720	IZ®	110.1	67.7	35	40.7	46.3	1134.1	20.05	W27X102	W3
		5919.4	1720	171	198.5	226	154866.7	6.11	W690X152	
60-1793	IZ®	111.9	70.6	38.5	43.9	49.3	1123.3	20.54	W24X131	W3
		6017.1	1793	188.1	214.5	240.9	153390.9	6.26	W610X195	
62-1731	IZ®	115	68.1	34.2	39.8	45.4	1236.8	20.6	W30X99	W3
		6184.5	1731	167.2	194.5	221.8	168902.8	6.28	W760X147	
63-1722	IZ®	116.7	67.8	37	42.7	48.3	1223.3	20.08	W27X114	W3
		6276	1722	180.8	208.3	235.8	167049.7	6.12	W690X170	
64-1781	IZ®	118.3	70.1	44.7	50.2	55.6	1154.7	20.01	W21X166	W3
		6361	1781	218.5	245	271.6	157687	6.1	W530X248	
65-1794	IZ®	120.4	70.6	41	46.4	51.8	1227.7	20.6	W24X146	W3
		6471.1	1794	200.3	226.6	253	167651.9	6.28	W610X217	
66-1732	IZ®	121.9	68.2	35.8	41.4	47	1332.5	20.64	W30X108	W3
		6555	1732	174.8	202.1	229.4	181962.4	6.29	W760X161	
67-1784	IZ®	124.9	70.2	47.5	52.9	58.3	1235.6	20.08	W21X182	W3
		6714.3	1784	231.8	258.3	284.8	168730.7	6.12	W530X272	
68-1720	IZ®	126.7	67.7	39.7	45.3	51	1358.4	20.11	W27X129	W3
		6812.3	1720	193.8	221.3	248.8	185508.2	6.13	W690X192	
69-1733	IZ®	128.3	68.2	37.3	42.9	48.4	1422.4	20.67	W30X116	W3
		6899.3	1733	182	209.2	236.5	194245.8	6.3	W760X173	

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69-1795	IZ®	128.4	70.7	43.8	49.2	54.6	1333.2	20.64	W24X162	W3
		6905.6	1795	213.7	240.1	266.4	182059.9	6.29	W610X241	
71-1821	IZ®	132.7	71.7	40.5	45.8	51.1	1438.2	21.39	W27X146	W3
		7135	1821	197.7	223.7	249.7	196393.2	6.52	W690X217	
72-1785	IZ®	133.2	70.3	50.7	56.1	61.5	1339.8	20.14	W21X201	W3
		7161.1	1785	247.5	273.9	300.4	182964.4	6.14	W530X300	
72-1733	IZ®	134.4	68.2	38.6	44.2	49.7	1508.1	20.7	W30X124	W3
		7225.5	1733	188.3	215.6	242.9	205939	6.31	W760X185	
73-1793	IZ®	136	70.6	46.1	51.5	56.9	1431.7	20.64	W24X176	W3
		7313	1793	224.9	251.3	277.6	195505.8	6.29	W610X262	
75-1734	IZ®	139.8	68.3	40	45.6	51.2	1589.3	20.73	W30X132	W3
		7516	1734	195.4	222.7	250	217038.4	6.32	W760X196	
76-1758	IZ®	140.7	69.2	37	42.5	48	1648.7	21.49	W33X118	W3
		7563.3	1758	180.7	207.6	234.5	225144.6	6.55	W840X176	
76-1822	IZ®	141.1	71.7	43	48.4	53.7	1556.8	21.42	W27X161	W3
		7587	1822	210.1	236.1	262	212598.5	6.53	W690X240	
77-1884	IZ®	143.1	74.2	75.3	80.5	85.6	1249.6	20.47	W14X370	W3
		7692.8	1884	367.8	392.9	418	170638.2	6.24	W360X551	
77-1795	IZ®	143.4	70.7	48.7	54.1	59.5	1531.8	20.7	W24X192	W3
		7707.8	1795	237.8	264.1	290.4	209176.5	6.31	W610X285	
81-1824	IZ®	149.9	71.8	45.8	51.1	56.4	1682.2	21.49	W27X178	W3
		8058.7	1824	223.7	249.6	275.5	229713.9	6.55	W690X265	
81-1887	IZ®	150.7	74.3	79.7	84.9	90	1338.7	20.54	W14X398	W3
		8100.6	1887	389.3	414.3	439.4	182808.8	6.26	W360X592	
81-1758	IZ®	150.9	69.2	39.1	44.6	50.1	1805.3	21.52	W33X130	W3
		8113.8	1758	191	217.9	244.8	246526.6	6.56	W840X193	
81-1796	IZ®	151	70.7	51.3	56.7	62.1	1636.7	20.73	W24X207	W3
		8119.8	1796	250.3	276.6	303	223505.8	6.32	W610X307	

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82-1732	IZ®	152.2	68.2	42.9	48.4	54	1772.9	20.77	W30X148	W3
		8181.9	1732	209.3	236.6	263.8	242100.1	6.33	W760X220	
86-1890	IZ®	159	74.4	84.1	89.2	94.4	1435.5	20.64	W14X426	W3
		8550	1890	410.6	435.7	460.7	196032.2	6.29	W360X634	
86-1759	IZ®	160.2	69.3	41	46.5	52	1952.2	21.56	W33X141	W3
		8612.7	1759	200.2	227.1	254	266591.6	6.57	W840X210	
87-1822	IZ®	160.8	71.7	48.5	53.8	59.1	1837.8	21.49	W27X194	W3
		8645.3	1822	236.8	262.8	288.7	250968.2	6.55	W690X289	
87-1799	IZ®	161.5	70.8	54.9	60.3	65.7	1783.5	20.83	W24X229	W3
		8681.5	1799	268.2	294.5	320.8	243558.7	6.35	W610X341	
87-1847	IZ®	162.5	72.7	44.4	49.6	54.9	1928.9	22.24	W30X173	W3
		8737.6	1847	216.6	242.2	267.8	263405.3	6.78	W760X257	
88-1770	IZ®	164.2	69.7	39.7	45.1	50.6	2070.2	22.08	W36X135	W3
		8829.5	1770	193.7	220.4	247.1	282708.4	6.73	W920X201	
90-1894	IZ®	166.6	74.6	88.6	93.7	98.8	1527.8	20.73	W14X455	W3
		8955	1894	432.6	457.5	482.5	208631.9	6.32	W360X677	
91-1760	IZ®	168.9	69.3	42.9	48.4	53.9	2093.4	21.62	W33X152	W3
		9081.1	1760	209.5	236.4	263.2	285870.8	6.59	W840X226	
93-1801	IZ®	172.1	70.9	58.4	63.8	69.2	1935.1	20.9	W24X250	W3
		9253.8	1801	285.4	311.6	337.9	264261.3	6.37	W610X372	
93-1825	IZ®	173.5	71.9	52.3	57.6	62.9	2027.1	21.59	W27X217	W3
		9329.4	1825	255.4	281.3	307.2	276820.4	6.58	W690X323	
93-1848	IZ®	173.7	72.8	47.3	52.5	57.8	2102.6	22.28	W30X191	W3
		9338.9	1848	231	256.5	282.1	287129.1	6.79	W760X284	
96-1770	IZ®	178.8	69.7	42.3	47.8	53.2	2312.8	22.15	W36X150	W3
		9610.5	1770	206.5	233.2	260	315828.4	6.75	W920X223	
97-1898	IZ®	180	74.7	95.6	100.7	105.8	1695.5	20.83	W14X500	W3
		9677.7	1898	466.8	491.7	516.6	231540.6	6.35	W360X744	

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98-1758	IZ®	182.7	69.2	45.7	51.2	56.7	2317.4	21.62	W33X169	W3
		9821.7	1758	223.1	250	276.9	316464.5	6.59	W840X251	
98-1826	IZ®	182.8	71.9	55.4	60.7	66	2170.5	21.62	W27X235	W3
		9830.6	1826	270.3	296.2	322.1	296407.1	6.59	W690X350	
100-1804	IZ®	185.6	71	63.3	68.6	74	2133.6	20.96	W24X279	W3
		9978.4	1804	308.8	335	361.2	291368.5	6.39	W610X415	
100-1850	IZ®	185.8	72.8	50.6	55.8	61	2296.7	22.34	W30X211	W3
		9991.9	1850	246.8	272.4	297.9	313639.7	6.81	W760X314	
100-1771	IZ®	186.8	69.7	44	49.5	54.9	2454	22.18	W36X160	W3
		10044.8	1771	214.8	241.5	268.2	335109.5	6.76	W920X238	
101-1766	IZ®	188.6	69.5	42.2	47.7	53.2	2542.8	22.47	W40X149	W3
		10138.7	1766	206.1	232.9	259.7	347236.3	6.85	W1000X222	
105-1772	IZ®	195.1	69.8	45.7	51.2	56.6	2598.8	22.21	W36X170	W3
		10486.6	1772	223.1	249.8	276.5	354889.5	6.77	W920X253	
105-1903	IZ®	195.1	74.9	103.1	108.2	113.3	1890.2	21	W14X550	W3
		10487.5	1903	503.5	528.4	553.2	258121.9	6.4	W360X818	
105-1828	IZ®	195.4	72	59	64.3	69.6	2364.1	21.69	W27X258	W3
		10505.2	1828	288	313.9	339.7	322834.4	6.61	W690X384	
106-1866	IZ®	197.4	73.5	48.5	53.7	58.9	2572.2	23	W33X201	W3
		10612.5	1866	236.7	262.1	287.4	351257.4	7.01	W840X299	
107-1806	IZ®	198.8	71.1	67.6	73	78.4	2332.8	21.03	W24X306	W3
		10690.7	1806	330.2	356.4	382.6	318569.4	6.41	W610X455	
109-1848	IZ®	202	72.8	54.5	59.8	65	2555.5	22.38	W30X235	W3
		10859.7	1848	266.2	291.8	317.4	348972	6.82	W760X350	
110-1773	IZ®	203.8	69.8	47.8	53.2	58.7	2757.9	22.24	W36X182	W3
		10954.7	1773	233.2	259.9	286.5	376615.2	6.78	W920X271	
112-1830	IZ®	208.1	72	62.9	68.2	73.5	2565.8	21.75	W27X281	W3
		11189.5	1830	307	332.8	358.7	350381.6	6.63	W690X419	

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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)	
112-1766	IZ®	208.3	69.5	45.3	50.8	56.3	2894.5	22.54	W40X167	W3
		11201.1	1766	221.2	248	274.8	395273.4	6.87	W1000X249	
114-1867	IZ®	211.1	73.5	51.7	56.9	62.1	2810.3	23.06	W33X221	W3
		11350.6	1867	252.6	277.9	303.2	383775.6	7.03	W840X329	
114-1774	IZ®	212.1	69.8	49.7	55.2	60.6	2911.7	22.28	W36X194	W3
		11400.7	1774	242.8	269.4	296.1	397614.9	6.79	W920X289	
114-1908	IZ®	212.3	75.1	112.1	117.2	122.3	2120.3	21.13	W14X605	W3
		11413.9	1908	547.5	572.3	597	289551.4	6.44	W360X900	
114-1809	IZ®	212.7	71.2	72.5	77.9	83.2	2547.4	21.13	W24X335	W3
		11437.2	1809	354	380.1	406.2	347873.7	6.44	W610X498	
117-1851	IZ®	216.6	72.9	58.8	64	69.2	2802.9	22.44	W30X261	W3
		11647.7	1851	287	312.5	338.1	382755.5	6.84	W760X389	
119-1833	IZ®	221.2	72.2	67	72.3	77.6	2778.1	21.82	W27X307	W3
		11893.9	1833	327.1	352.9	378.6	379377.7	6.65	W690X457	
120-1775	IZ®	223.1	69.9	52.5	58	63.4	3120.8	22.31	W36X210	W3
		11995.9	1775	256.4	283	309.6	426178.8	6.8	W920X313	
121-1869	IZ®	224.4	73.6	54.9	60.1	65.3	3044.6	23.13	W33X241	W3
		12066.2	1869	268.3	293.6	318.9	415765.1	7.05	W840X359	
122-1766	IZ®	227	69.5	48	53.5	59	3234.4	22.6	W40X183	W3
		12204.1	1766	234.6	261.3	288.1	441681.5	6.89	W1000X272	
123-1813	IZ®	229.4	71.4	78.3	83.6	89	2812.1	21.23	W24X370	W3
		12332.5	1813	382.2	408.3	434.3	384020.3	6.47	W610X551	
124-1884	IZ®	230.3	74.2	52.6	57.8	62.9	3217.5	23.62	W36X230	W3
		12379.8	1884	257	282	307.1	439375.5	7.2	W920X342	
124-1914	IZ®	230.7	75.4	121	126.1	131.1	2381.5	21.29	W14X665	W3
		12404	1914	590.9	615.6	640.3	325211.9	6.49	W360X990	
124-1866	IZ®	231	73.5	48.1	53.2	58.4	3325	23.85	W40X199	W3
		12420.5	1866	234.6	260	285.3	454061.4	7.27	W1000X296	

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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)	
127-1853	IZ®	235.5	73	63.7	69	74.2	3122.6	22.51	W30X292	W3
		12661.3	1853	311.2	336.8	362.3	426425.2	6.86	W760X434	
127-1836	IZ®	236.9	72.3	71.7	77	82.2	3037.5	21.92	W27X336	W3
		12735.2	1836	350	375.8	401.5	414793.2	6.68	W690X500	
130-1885	IZ®	241.1	74.2	55.1	60.2	65.3	3416.5	23.65	W36X245	W3
		12961.5	1885	268.9	294	319.1	466552.3	7.21	W920X365	
130-1867	IZ®	241.4	73.5	58.6	63.8	69	3346.1	23.13	W33X263	W3
		12978.7	1867	286.2	311.5	336.9	456935.9	7.05	W840X392	
130-1774	IZ®	242.3	69.8	56.2	61.6	67.1	3476.6	22.34	W36X232	W3
		13024.3	1774	274.2	300.9	327.5	474757.1	6.81	W920X345	
134-1766	IZ®	248.3	69.5	52.9	58.4	63.8	3664.1	22.64	W40X211	W3
		13349.4	1766	258.1	284.9	311.7	500369	6.9	W1000X314	
134-1866	IZ®	249	73.5	50.8	56	61.2	3661.6	23.92	W40X215	W3
		13386.2	1866	248.1	273.4	298.8	500017.5	7.29	W1000X321	
135-1886	IZ®	251.7	74.3	57.4	62.6	67.7	3616.4	23.69	W36X260	W3
		13531.4	1886	280.4	305.5	330.5	493844.7	7.22	W920X387	
136-1920	IZ®	252.1	75.6	130.7	135.7	140.8	2688.8	21.46	W14X730	W3
		13554.2	1920	638.1	662.7	687.3	367178.3	6.54	W360X1086	
136-1838	IZ®	253.5	72.4	77	82.2	87.5	3318.8	21.98	W27X368	W3
		13627.3	1838	375.7	401.4	427.2	453206.5	6.7	W690X548	
137-1856	IZ®	254.5	73.1	69.2	74.4	79.6	3456.7	22.6	W30X326	W3
		13682.1	1856	337.8	363.3	388.8	472046.2	6.89	W760X484	
139-1776	IZ®	259	69.9	60.4	65.8	71.3	3806.6	22.41	W36X256	W3
		13922.5	1776	294.7	321.3	347.9	519830.1	6.83	W920X381	
139-1870	IZ®	259	73.6	63.1	68.3	73.4	3670.9	23.23	W33X291	W3
		13924.3	1870	308	333.3	358.6	501300	7.08	W840X433	
143-1768	IZ®	266.2	69.6	56.9	62.4	67.9	4032.1	22.7	W40X235	W3
		14310.7	1768	277.8	304.6	331.3	550618.6	6.92	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)	
143-1888	IZ®	266.4	74.3	60.7	65.8	71	3898.8	23.75	W36X280	W3
		14325	1888	296.3	321.4	346.4	532414.8	7.24	W920X417	
145-1937	IZ®	269.2	76.3	142	147	152	2931.5	21.62	W14X808	W3
		14472.5	1937	693.3	717.7	742.1	400317.6	6.59	W360X1202	
147-1859	IZ®	272.7	73.2	74.2	79.4	84.6	3784.9	22.7	W30X357	W3
		14663.7	1859	362.2	387.6	413	516864.4	6.92	W760X531	
148-1866	IZ®	274.3	73.5	56.3	61.5	66.7	4175.6	23.95	W40X249	W3
		14748.3	1866	275	300.3	325.7	570209.8	7.3	W1000X371	
149-1872	IZ®	276.3	73.7	67.4	72.6	77.7	3995.9	23.29	W33X318	W3
		14854.9	1872	329.1	354.3	379.6	545672.1	7.1	W840X473	
150-1889	IZ®	279.7	74.4	63.9	69	74.1	4155	23.79	W36X300	W3
		15037.3	1889	312	337	362	567404.1	7.25	W920X446	
153-1866	IZ®	284.2	73.5	53.2	58.4	63.6	4562.2	24.54	W44X230	W3
		15279.6	1866	259.9	285.2	310.5	623008	7.48	W1100X343	
153-1769	IZ®	284.6	69.6	61.9	67.3	72.8	4430.3	22.77	W40X264	W3
		15299.4	1769	302.1	328.8	355.5	605002.4	6.94	W1000X393	
157-1862	IZ®	291.8	73.3	79.8	85	90.2	4136.9	22.77	W30X391	W3
		15688.7	1862	389.4	414.8	440.2	564927.2	6.94	W760X582	
158-1770	IZ®	293.9	69.7	64.4	69.8	75.3	4633.6	22.77	W40X278	W3
		15798.6	1770	314.3	341	367.7	632758	6.94	W1000X415	
158-1868	IZ®	294.4	73.5	60.7	65.9	71.1	4593.5	24.02	W40X277	W3
		15828.3	1868	296.6	321.9	347.2	627284.3	7.32	W1000X412	
160-1875	IZ®	298.3	73.8	73.1	78.3	83.4	4418.9	23.36	W33X354	W3
		16035.5	1875	357	382.2	407.4	603446.4	7.12	W840X527	
161-1888	IZ®	299	74.3	68.4	73.5	78.6	4536	23.82	W36X328	W3
		16072.9	1888	333.7	358.8	383.8	619427.7	7.26	W920X488	
164-1868	IZ®	305.4	73.5	64.1	69.3	74.5	4839.1	24.02	W40X297	W3
		16419.4	1868	312.9	338.3	363.6	660821.4	7.32	W1000X443	

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168-1866	IZ®	312.9	73.5	58.5	63.7	68.9	5190	24.61	W44X262	W3
		16821.4	1866	285.5	310.9	336.2	708740.1	7.5	W1100X390	
171-1891	IZ®	318.2	74.4	73.2	78.3	83.4	4925.4	23.88	W36X359	W3
		17105	1891	357.3	382.3	407.3	672604.3	7.28	W920X534	
171-1877	IZ®	318.4	73.9	78.4	83.6	88.8	4818.4	23.46	W33X387	W3
		17115.7	1877	383	408.1	433.3	657991.2	7.15	W840X576	
175-1870	IZ®	326.2	73.6	68.4	73.6	78.8	5276.4	24.11	W40X324	W3
		17535.2	1870	334	359.3	384.6	720545.3	7.35	W1000X483	
177-1774	IZ®	329	69.8	72.5	77.9	83.4	5398.1	22.9	W40X327	W3
		17689.2	1774	353.9	380.5	407.2	737154.1	6.98	W1000X486	
178-1775	IZ®	330.7	69.9	73.3	78.8	84.3	5440.5	22.93	W40X331	W3
		17781.7	1775	358.1	384.7	411.4	742944.2	6.99	W1000X494	
180-1868	IZ®	335.5	73.5	63.1	68.3	73.5	5709.3	24.67	W44X290	W3
		18038.8	1868	308.3	333.6	358.9	779649.4	7.52	W1100X433	
183-1893	IZ®	340.2	74.5	78.7	83.8	88.9	5384	23.98	W36X393	W3
		18292.3	1893	384.3	409.3	434.2	735235.4	7.31	W920X585	
184-1853	IZ®	342.7	73	104.2	109.4	114.6	4943.4	22.44	W27X539	W3
		18424.4	1853	508.7	534.2	559.7	675069.2	6.84	W690X802	
189-1873	IZ®	351	73.7	74.5	79.7	84.8	5826.8	24.18	W40X362	W3
		18872.8	1873	363.7	388.9	414.1	795695.4	7.37	W1000X539	
192-1874	IZ®	356.5	73.8	76.1	81.2	86.4	5952.3	24.21	W40X372	W3
		19167.5	1874	371.4	396.7	421.9	812838.4	7.38	W1000X554	
196-1871	IZ®	364.2	73.7	70	75.2	80.4	6397.1	24.74	W44X335	W3
		19580.5	1871	341.8	367.1	392.4	873577.4	7.54	W1100X499	
199-1897	IZ®	369.6	74.7	85.8	90.9	96	5998.5	24.08	W36X439	W3
		19869.4	1897	419.1	444	468.9	819148.9	7.34	W920X653	
201-1780	IZ®	374.5	70.1	83.5	89	94.4	6428	23.1	W40X392	W3
		20135	1780	407.8	434.4	460.9	877798	7.04	W1000X584	

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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)	
202-1875	IZ [®]	375.7	73.8	80.1	85.2	90.4	6375.3	24.25	W40X397	W3
		20198.3	1875	390.9	416.1	441.3	870602.3	7.39	W1000X591	
214-1878	IZ [®]	397.6	73.9	85.5	90.7	95.8	6873.4	24.34	W40X431	W3
		21375.3	1878	417.5	442.6	467.8	938629	7.42	W1000X642	
229-1903	IZ [®]	425.9	74.9	99.6	104.7	109.8	7224.9	24.28	W36X527	W3
		22896.4	1903	486.2	511.1	535.9	986618.1	7.4	W920X784	
241-1883	IZ [®]	447.6	74.1	97	102.1	107.3	8035.3	24.51	W40X503	W3
		24064.7	1883	473.5	498.6	523.7	1097298.2	7.47	W1000X748	
271-1912	IZ [®]	503.5	75.3	118.6	123.7	128.8	8998.1	24.54	W36X650	W3
		27070	1912	579.2	603.9	628.6	1228777	7.48	W920X967	
275-1890	IZ [®]	510.6	74.4	111.5	116.6	121.7	9548.7	24.7	W40X593	W3
		27452	1890	544.4	569.4	594.4	1303956.1	7.53	W1000X883	
322-1923	IZ [®]	599.3	75.7	141.4	146.4	151.4	11302.3	24.87	W36X798	W3
		32218.3	1923	690.2	714.8	739.3	1543428.3	7.58	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.

	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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