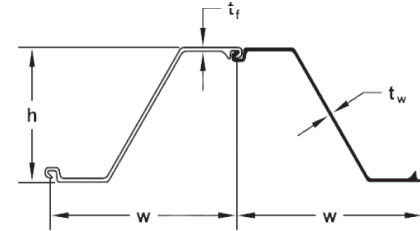


DOUBLE Z HOT ROLLED SHEET PILE

Section	Per Single Section				Per Unit of Wall								GR 60	GR 65
	Width (w)	Height (h)	Flange (tf)	Web (tw)	Cross Sec Area (A)	Weight (m)	Coating Area	Cross Sec Area (A)	Weight (m)	Moment of Inertia (ly)	Elastic Modulus (Sx)	Plastic Modulus (Sx)	Allow Bend Moment NON FACTORED (Mmax)	
	mm	mm	mm	mm	cm ²	kg/m	m ² /m	cm ² /m	kg/m ²	cm ⁴ /m	cm ³ /m	cm ³ /m	kN-m/m	kN-m/m
	in	in	in	in	in ²	lbs/ft	ft ² /ft	in ² /ft	lbs/ft ²	in ⁴ /ft	in ³ /ft	in ³ /ft	kip-ft/ft	kip-ft/ft
ZZ12-770	770	343.5	8.6	8.5	92.99	72.8	1.96	120.8	94.5	21,496	1,252	1,488	518	561
	30.31	13.52	0.339	0.335	14.41	48.92	6.44	5.71	19.37	157.4	23.3	23.3	116.4	126.1
ZZ13-770	770	344	9.1	9	97.4	76.2	1.96	126.5	99.0	22,433	1,304	1,551	54	585
	30.31	13.54	0.358	0.354	15.10	51.22	6.44	5.98	20.28	164.3	24.3	24.3	121.3	131.4
ZZ14-770	770	344.5	9.6	9.5	101.80	79.6	1.96	132.2	103.4	23,370	1,3570	1,613	561	608
	30.31	13.56	0.378	0.375	15.78	53.52	6.44	6	21.19	171	25.2	25.2	126.2	136.7
ZZ12-700	700	314.2	8.6	8.5	86.47	67.9	12	123.5	97.0	18,971	1,208	1,418	500	541
	27.56	12.37	0.339	0.335	13.40	45.62	5.97	5.84	19.86	138.9	22.5	26.4	112.3	121.7
ZZ13-700	700	315.2	9.6	9.5	94.47	74.2	1.82	135.0	105.9	20,611	1,308	1,543	541	586
	27.56	12.41	0.378	0.374	14.64	49.84	5.97	6.36	21.70	150.9	24.3	26.7	121.7	131.8
ZZ14-700	700	316.2	10.6	10.5	102.5	80.5	1.82	146.4	114.9	22,262	1,408	1,669	582	631
	27.56	12.45	0.417	0.413	15.89	54.07	5.97	6.92	23.54	163.0	26.2	31.0	131.0	141.9
ZZ17-700	700	420	8.5	8.4	92.99	73.3	1.97	132.8	104.7	36,425	1,735	2,032	717	777
	27.56	16.54	0.335	0.331	14.41	49.26	6.47	6.26	21.45	266.7	32.3	37.8	161.3	174.7
ZZ18-700	700	420.5	9.1	9	97.40	76.7	1.97	139.1	109.6	36,001	1,807	2,132	748	810
	27.56	16.56	0.358	0.354	15.10	51.58	6.47	6.57	22.46	278.3	33.6	39.8	168.1	182.1
ZZ19-700	700	421	9.6	9.5	101.80	80.2	1.97	145.4	114.6	39,578	1,880	2,210	778	843
	27.56	16.57	0.378	0.375	15.78	53.90	6.47	6.87	23.47	289.8	35.0	41.2	174.9	189.4
ZZ20-700	700	421.5	10.1	10	106.20	83.7	1.97	151.7	119.5	41,155	1,953	2,304	808	875
	27.56	16.59	0.396	0.394	16.46	56.22	6.47	7.17	24.48	301.4	36.3	42.9	181.6	196.7
ZZ24-700	700	4592	11.3	11.2	122.06	95.8	2.05	17.4	136.9	55,949	2,437	2,85	1,008	1,092
	27.56	18.08	0.455	0.441	18.92	64.39	6.71	8.24	28.04	409.7	45.3	53.7	226.7	245.5
ZZ26-700	700	460.2	12.3	12.2	131.18	103.0	2.05	187.4	1.1	59,843	2,601	3,071	1,076	1,166
	27.56	18.12	0.484	0.480	20.33	69.21	6.72	8.85	30.13	436.2	48.4	57.1	241.9	262.1
ZZ27-700	700	460.7	12.8	12.7	135.50	106.4	2.05	193.6	152.0	61,641	2,676	3,089	1,107	1,199
	27.56	18.14	0.504	0.500	21.00	71.48	6.72	9.14	31.12	451.4	49.8	57	248.9	269.6
ZZ28-700	700	461.2	13.3	13.2	140.30	110.1	2.05	200.4	157.3	63,740	2,764	3,278	1,144	1,239
	27.56	18.16	0.542	0.520	21.75	74.02	6.72	9.47	32.23	486.8	51.4	61.0	257.1	278.5
ZZ36-700	700	499.2	15.1	11.2	151.27	118.7	2.18	216.1	169.6	89,753	3,596	4,151	1,488	1,612
	27.56	19.65	0.594	0.441	23.45	79.80	7.14	10.21	34.75	657.2	66.9	77.3	334.5	362.3
ZZ38-700	700	500.2	16.1	12.2	161.16	126.5	2.18	230.2	180.7	94,964	3,796	4,363	1,157	1,702
	27.56	19.69	0.634	0.480	24.96	85.02	7.14	10.88	37.02	695.8	70.6	81.2	353.2	382.6
ZZ40-700	700	501.2	17.1	13.2	171.06	134.3	2.18	244.4	191.8	100,219	3,999	4,610	1,655	1,792
	27.56	19.73	0.673	0.520	26.51	90.24	7.15	11.54	39.29	733.9	74.4	85.8	372.0	402.9
ZZ42-700	700	499.2	18.1	14	182.12	143.0	2.17	260.2	204.2	105,543	4,229	4,882	1,749	1,895
	27.56	19.65	0.713	0.551	28.23	96.08	7.11	12.29	41.83	772.9	78.7	90.9	393.3	426.0
ZZ44-700	700	500.2	19.1	15	192.02	150.7	2.17	274.3	215.3	110,942	4,436	5,096	1,835	1,988
	27.56	19.69	0.752	0.591	29.76	101.30	7.11	12.96	44.11	812.4	82.5	94.8	412.6	446.9
ZZ46-700	700	501.2	21	16	201.93	158.5	2.17	288.5	226.5	116,159	4,635	5,343	1,918	2,077
	27.56	19.73	0.791	0.60	31.30	106.53	7.11	13.63	46.38	850.6	86.2	99.4	431.1	467.0
ZZ48-700	700	503.2	22.1	15	202.99	159.3	2.17	290.0	227.6	120,467	4,788	5,528	1,981	2,146
	27.56	19.81	0.870	0.591	31.46	107.09	7.11	13.70	46.63	882.2	89.1	102.9	445.3	482.4
ZZ50-700	700	504.2	23.1	16	212.41	196.7	2.17	303.4	238.2	125,358	4,973	5,713	2,057	2,229
	27.56	19.85	0.909	0.630	32.92	112.06	7.11	14.34	48.79	918.0	92.5	106.3	462.5	501.0
ZZ52-700	700	505.2	24.1	17	222.07	174.3	2.17	317.2	249.0	130,403	5,162	5,951	2,136	2,314
	27.56	19.89	0.949	0.669	34.42	117.15	7.11	14.99	51.01	954.9	96.0	110.7	480.2	520.2
ZZ48-580	580	482	19.2	15.1	178.17	139.9	2.01	307.2	241.1	115,712	4,801	5,555	1,986	2,152
	22.83	18.98	0.756	0.594	27.62	93.99	6.59	14.52	49.40	847.3	89.3	103.3	446.6	483.8



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