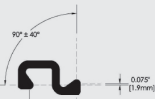
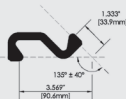




HR® Omega



HR® 90



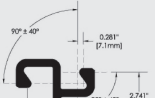
HR® Colt



HR® 135



HR® 180



HR® Tee



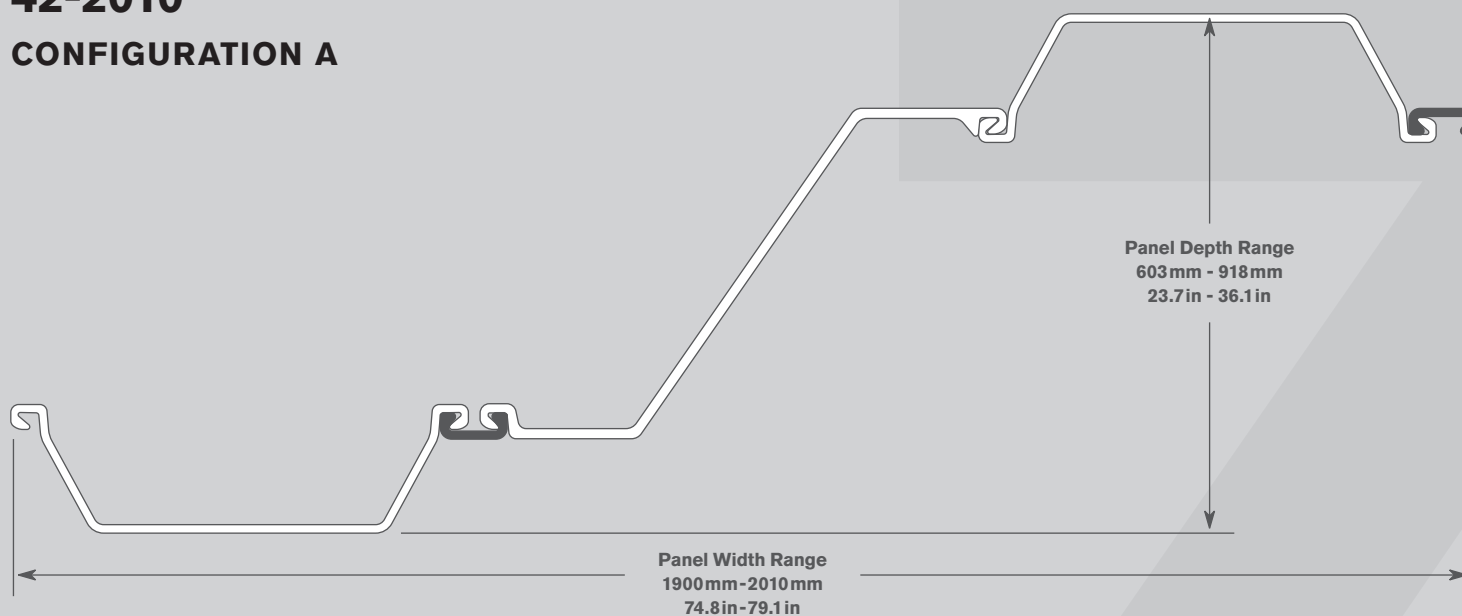
C9®

# Z-Pile HR®

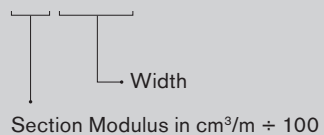


[sheet-pile.com/z-pile](http://sheet-pile.com/z-pile)

## 42-2010 CONFIGURATION A



### NAMING CONVENTION: 42-2010



Section	Solution Type	Width	Depth	Web Thickness	Flange Thickness	Per Panel Section						Per Unit of Wall				Configuration
						Cross Section Area	Panel Weight	Moment of Inertia	Panel Section Modulus	Coating Area	Coating Area Waterside	Cross Section Area	Weight	Moment of Inertia	Section Modulus	
						in <sup>2</sup> (cm <sup>2</sup> )	lb/ft (kg/m)	in <sup>4</sup> (cm <sup>4</sup> )	in <sup>3</sup> (cm <sup>3</sup> )	ft <sup>2</sup> /ft (m <sup>2</sup> /m)	ft <sup>2</sup> /ft (m <sup>2</sup> /m)	in <sup>2</sup> /ft (cm <sup>2</sup> /m)	lb/ft <sup>2</sup> (kg/m <sup>2</sup> )	in <sup>4</sup> /ft (cm <sup>4</sup> /m)	in <sup>3</sup> /ft (cm <sup>3</sup> /m)	
10-1970	Z	77.56	18.76	0.335	0.339	32.7	111.1	1,370	114.1	11.68	5.84	5.06	17.2	212	17.6	B
		1,970	476	8.5	8.6	211	165.4	57,012	1,870	3.56	1.78	107.11	84	28,940	949	
12-1900	Z	74.8	21.77	0.331	0.335	32.7	111.5	1,950	144.2	11.71	5.86	5.25	17.9	312.9	23.1	B
		1,900	553	8.4	8.5	211	165.9	81,187	2,363	3.57	1.78	111.05	87.3	42,730	1,244	
17-2010	Z	79.13	22.84	0.335	0.339	38.9	132.4	2,547	211.4	11.22	5.61	5.90	20.1	386.3	32.1	A
		2,010	580	8.5	8.6	251	197	106,028	3,465	3.42	1.71	124.88	98	52,750	1,724	
17-2080	Z	81.89	24.04	0.374	0.378	41.28	140.3	2,578	214	11.68	5.84	6.05	20.6	377.8	31.4	A
		2080	610	9.5	9.6	266.3	208.7	107,307	3,507	3.56	1.78	128.03	100.4	51,590	1,686	
20-1900	Z	74.8	24.03	0.374	0.472	48.21	164.2	3,635	231.4	12.63	6.32	7.73	26.4	583.1	37.1	B
		1,900	610	9.5	12	311	244.4	151,297	3,792	3.85	1.92	163.68	128.6	79,630	1,996	
21-2010	Z	79.13	27.01	0.331	0.335	39.91	136	3,490	257.7	11.71	5.86	6.05	20.6	529.2	39.1	A
		2,010	686	8.4	8.5	257.5	202.4	145,243	4,222	3.57	1.78	128.11	100.7	72,260	2,101	
24-2010	Z	79.13	28.59	0.48	0.484	45.83	156	4,274	299.5	11.98	5.99	6.95	23.6	648.1	45.4	A
		2,010	726	12.2	12.3	295.7	232.1	177,905	4,908	3.65	1.82	147.11	115.5	88,510	2,442	
27-2010	Z	79.13	27.48	0.394	0.394	47.32	161.2	4,489	331.9	12.14	6.07	7.18	24.4	680.7	50.3	A
		2,010	698	10	10	305.3	239.8	186,830	5,439	3.7	1.85	151.89	119.3	92,950	2,706	
27-2080	Z	81.89	28.47	0.374	0.472	52.63	178.8	4,872	341.9	12.6	6.3	7.71	26.2	714	50.1	A
		2,080	723	9.5	12	339.5	266.1	202,800	5,602	3.84	1.92	163.22	128	97,500	2,693	
29-2010	Z	79.13	30.17	0.48	0.634	50.48	171.8	5,322	353.5	12.4	6.2	7.66	26	807.1	53.6	A
		2,010	766	12.2	16.1	325.7	255.6	221,542	5,792	3.78	1.89	162.04	127.2	110,220	2,882	
33-2010	Z	79.13	31.44	0.374	0.472	51.26	174.6	6,271	408.4	12.63	6.32	7.77	26.5	951	61.9	A
		2,010	799	9.5	12	330.7	259.8	261,019	6,693	3.85	1.92	164.53	129.3	129,860	3,330	
36-2010	Z	79.13	33.02	0.48	0.484	57.18	194.6	7,314	444.5	12.89	6.45	8.67	29.5	1,109.2	67.4	A
		2,010	839	12.2	12.3	368.9	289.5	304,475	7,284	3.93	1.96	183.53	144	151,480	3,624	
42-2010	Z	79.13	32.78	0.398	0.642	59.04	201.1	8,450	515.4	10.16	5.08	8.95	30.5	1,281.5	78.2	A
		2,010	833	10.1	16.3	380.9	299.2	351,750	8,445	3.1	1.55	189.50	148.9	175,000	4,202	

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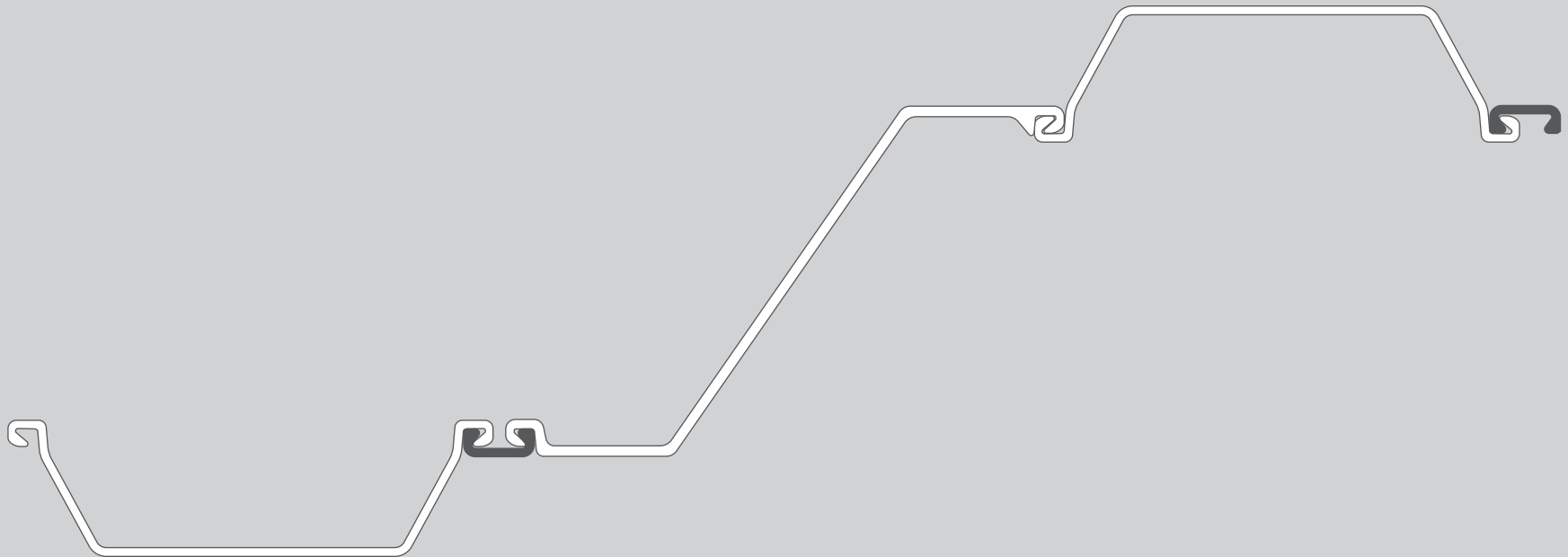
Section	Solution Type	Width	Depth	Web Thickness	Flange Thickness	Per Panel Section						Per Unit of Wall				Configuration
						Cross Section Area	Panel Weight	Moment of Inertia	Panel Section Modulus	Coating Area	Coating Area Waterside	Cross Section Area	Weight	Moment of Inertia	Section Modulus	
						in <sup>2</sup> (cm <sup>2</sup> )	lb/ft (kg/m)	in <sup>4</sup> (cm <sup>4</sup> )	in <sup>3</sup> (cm <sup>3</sup> )	ft <sup>2</sup> /ft (m <sup>2</sup> /m)	ft <sup>2</sup> /ft (m <sup>2</sup> /m)	in <sup>2</sup> /ft (cm <sup>2</sup> /m)	lb/ft <sup>2</sup> (kg/m <sup>2</sup> )	in <sup>4</sup> /ft (cm <sup>4</sup> /m)	in <sup>3</sup> /ft (cm <sup>3</sup> /m)	
47-2010	Z	79.13	32.81	0.417	0.748	64.59	220	9,434	574.6	12.86	6.43	9.80	33.4	1,430.6	87.1	A
		2,010	834	10.6	19	416.7	327.3	392,674	9,416	3.92	1.96	207.31	162.9	195,360	4,685	
51-2010	Z	79.13	34.36	0.48	0.748	69.15	235.3	10,702	624.9	13.12	6.56	10.49	35.7	1,623	94.8	A
		2,010	873	12.2	19	446.1	350.1	445,496	10,241	4	2	221.94	174.2	221,640	5,095	
54-2010	Z	79.13	36.09	0.63	0.909	77.55	263.8	11,851	658.7	10.82	5.41	11.76	40	1,797.2	99.9	A
		2,010	917	16	23.1	500.3	392.6	493,314	10,795	3.3	1.65	248.91	195.3	245,430	5,370	
56-2010	Z	79.13	35.89	0.441	0.748	72.26	245.8	12,278	684.7	13.55	6.77	10.96	37.3	1,861.9	103.8	A
		2,010	912	11.2	19	466.2	365.8	511,063	11,220	4.13	2.06	231.94	182	254,260	5,582	
58-2010	Z	79.13	35.97	0.441	0.787	73.99	251.7	12,798	711.3	13.55	6.77	11.22	38.2	1,940.8	107.9	A
		2,010	914	11.2	20	477.4	374.6	532,710	11,657	4.13	2.06	237.51	186.4	265,030	5,799	
59-2010	Z	79.13	36.05	0.52	0.787	77.06	262.2	12,974	721.1	13.55	6.77	11.69	39.8	1,967.5	109.4	A
		2,010	916	13.2	20	497.2	390.2	540,027	11,817	4.13	2.06	247.36	194.1	268,670	5,879	
60-2010	Z	79.13	36.05	0.63	0.791	81.85	278.5	13,237	735.8	13.52	6.76	12.41	42.2	2,007.4	111.6	A
		2,010	916	16	20.1	528	414.4	551,001	12,057	4.12	2.06	262.69	206.2	274,130	5,999	
61-2010	Z	79.13	36.17	0.63	0.909	83.47	284	13,531	748.8	13.52	6.76	12.66	43.1	2,051.9	113.6	A
		2,010	919	16	23.1	538.5	422.6	563,222	12,271	4.12	2.06	267.91	210.3	280,210	6,105	

Section	Solution Type	Bending Moment									Configuration
		g50	g55	g60	g65	s270gp	s355gp	s390gp	s430gp	s460gp	
		k-ft/ft (kN-m/m)	k-ft/ft (kN-m/m)	k-ft/ft (kN-m/m)	k-ft/ft (kN-m/m)	k-ft/ft (kN-m/m)	k-ft/ft (kN-m/m)	k-ft/ft (kN-m/m)	k-ft/ft (kN-m/m)	k-ft/ft (kN-m/m)	
10-1970	Z	73.6	80.9	88.3	96	57.6	75.7	83.2	91.7	98.1	B
		327.2	359.9	392.6	427.3	256.2	336.9	370.1	408.1	436.5	
12-1900	Z	96.4	106	115.7	125.9	75.5	99.3	109.1	120.2	128.6	B
		428.8	471.7	514.6	560	335.8	441.6	485.1	534.9	572.2	
17-2010	Z	133.6	147	160.3	174.5	104.6	137.6	151.1	166.6	178.3	A
		594.3	653.7	713.1	776.1	465.4	612	672.3	741.2	793	
17-2080	Z	130.7	143.7	156.8	170.6	102.3	134.6	147.8	163	174.3	A
		581.2	639.3	697.4	759	455.2	598.5	657.5	724.9	775.5	
20-1900	Z	154.7	170.1	185.6	202	121.1	159.3	175	192.9	206.4	B
		688	756.8	825.6	898.6	538.9	708.5	778.4	858.2	918.1	
21-2010	Z	162.8	179.1	195.4	212.6	127.5	167.6	184.2	203.1	217.2	A
		724.2	796.6	869	945.8	567.2	745.8	819.3	903.3	966.3	
24-2010	Z	189.2	208.2	227.1	247.1	148.2	194.9	214.1	236	252.5	A
		841.7	925.9	1,010	1,099.3	659.2	866.8	952.2	1,049.9	1,123.1	
27-2010	Z	209.7	230.7	251.7	273.9	164.2	216	237.2	261.6	279.8	A
		932.9	1,026.2	1,119.4	1,218.3	730.6	960.6	1,055.4	1,163.6	1,244.8	
27-2080	Z	208.7	229.6	250.5	272.6	163.5	215	236.1	260.4	278.5	A
		928.5	1,021.4	1,114.2	1,212.6	727.2	956.2	1,050.4	1,158.2	1,239	
29-2010	Z	223.3	245.7	268	291.7	174.9	230	252.6	278.6	298	A
		993.4	1,092.7	1,192.1	1,297.4	778	1,023	1,123.8	1,239.1	1,325.5	
33-2010	Z	258.1	283.9	309.7	337	202.1	265.8	292	321.9	344.4	A
		1,147.9	1,262.7	1,377.5	1,499.2	899.1	1,182.1	1,298.6	1,431.8	1,531.7	
36-2010	Z	280.8	308.9	337	366.8	220	289.2	317.7	350.3	374.8	A
		1,249.3	1,374.2	1,499.1	1,631.6	978.4	1,286.5	1,413.3	1,558.3	1,667	
42-2010	Z	325.6	358.2	390.8	425.3	255	335.3	368.4	406.2	434.5	A
		1,448.5	1,593.3	1,738.2	1,891.7	1,134.5	1,491.6	1,638.7	1,806.7	1,932.8	

Section	Solution Type	Bending Moment									Configuration
		g50	g55	g60	g65	s270gp	s355gp	s390gp	s430gp	s460gp	
		k-ft/ft (kN-m/m)	k-ft/ft (kN-m/m)	k-ft/ft (kN-m/m)	k-ft/ft (kN-m/m)	k-ft/ft (kN-m/m)	k-ft/ft (kN-m/m)	k-ft/ft (kN-m/m)	k-ft/ft (kN-m/m)	k-ft/ft (kN-m/m)	
47-2010	Z	363.1	399.4	435.7	474.2	284.4	373.9	410.7	452.9	484.5	A
		1,615	1,776.5	1,938	2,109.2	1,264.9	1,663.1	1,827.1	2014.5	2155	
51-2010	Z	394.9	434.4	473.8	515.7	309.3	406.6	446.7	492.5	526.9	A
		1,756.5	1,932.1	2,107.8	2,293.9	1,375.7	1,808.8	1,987.1	2,190.9	2,343.7	
54-2010	Z	416.2	457.8	499.4	543.6	326	428.6	470.8	519.2	555.4	A
		1,851.4	2,036.5	2,221.7	2,417.9	1450	1,906.5	2,094.5	2,309.3	2,470.4	
56-2010	Z	432.6	475.9	519.1	565	338.8	445.5	489.4	539.6	577.3	A
		1,924.4	2,116.8	2,309.2	2,513.2	1,507.2	1,981.6	2,177	2,400.3	2,567.8	
58-2010	Z	449.4	494.4	539.3	587	352	462.8	508.5	560.6	599.7	A
		1,999.2	2,199.2	2,399.1	2,611	1,565.8	2,058.8	2,261.7	2,493.7	2,667.7	
59-2010	Z	455.6	501.2	546.8	595	356.8	469.2	515.4	568.3	608	A
		2,026.7	2,229.4	2,432.1	2,646.9	1,587.4	2,087.1	2,292.8	2,528	2,704.4	
60-2010	Z	464.9	511.4	557.9	607.2	364.1	478.7	525.9	579.9	620.3	A
		2,067.9	2,274.7	2,481.5	2,700.7	1,619.6	2,129.5	2,339.4	2,579.4	2,759.3	
61-2010	Z	473.1	520.4	567.7	617.9	370.6	487.2	535.2	590.1	631.3	A
		2,104.5	2,315	2,525.4	2,748.5	1,648.3	2,167.2	2,380.8	2,625	2,808.2	

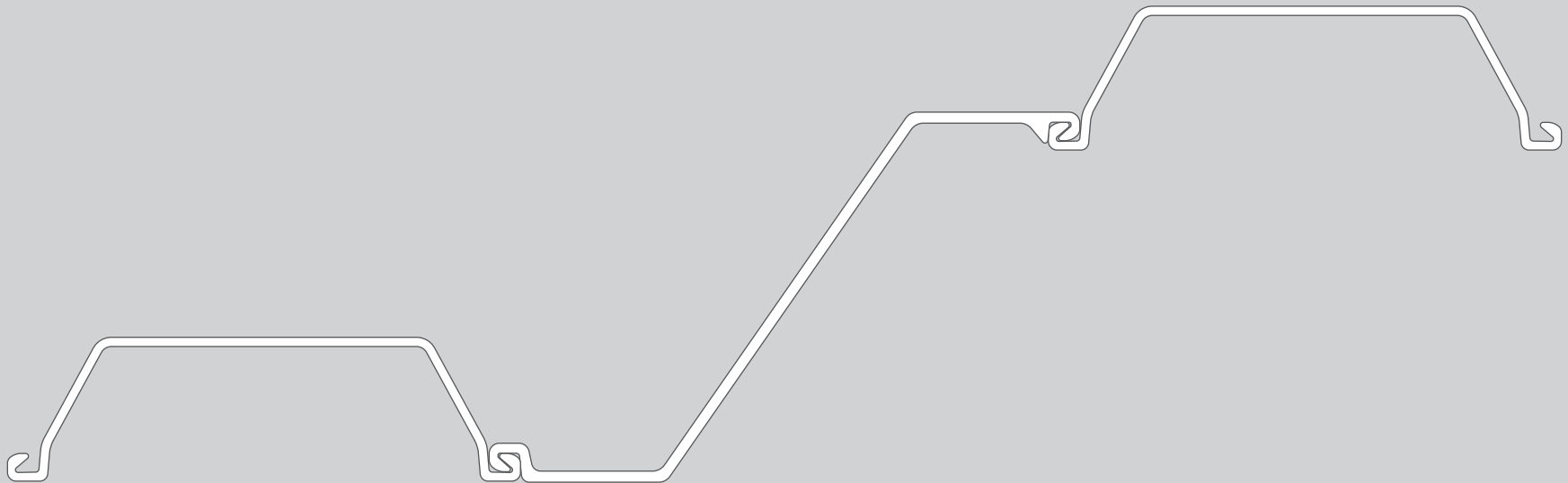
# Z-Pile HR<sup>®</sup>

## Configuration A



# Z-Pile HR<sup>®</sup>

## Configuration B



# Z-Pile HR<sup>®</sup>

## Configuration C

