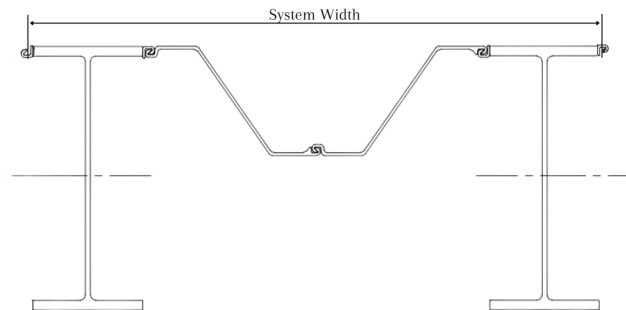


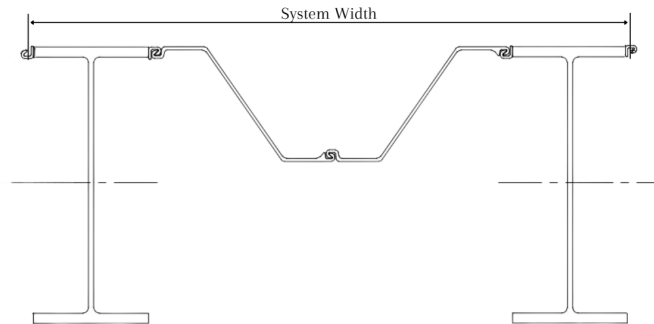
# H Pile Combi-Wall



## Combination ESC H-1 with Hot Rolled Z Series Sheet Piles

Pipe HC Combi-System	Sheet Pile Section	System Width	Properties per Meter of Wall			Weight Combination			Coating Area	
			Sectional Area	Moment of Inertia	Section Modulus	SP=60%H	SP=80%H	SP=100%H	Water Side	Land Side
		in mm	in <sup>2</sup> /ft cm <sup>2</sup> /m	in <sup>4</sup> /ft cm <sup>4</sup> /m	in <sup>3</sup> /ft cm <sup>3</sup> /m	lbs/ft <sup>2</sup> kg/m <sup>2</sup>	lbs/ft <sup>2</sup> kg/m <sup>2</sup>	lbs/ft <sup>2</sup> kg/m <sup>2</sup>	ft <sup>2</sup> /ft m <sup>2</sup> /m	ft <sup>2</sup> /ft m <sup>2</sup> /m
HC880A-1/Z14-770	Z14-770	81.40	12.12	1,558	89	33.9	37.6	41.3	9.26	16.92
		2,067.1	256.6	212,793	4,794	165.3	183.4	201.5	2.82	5.06
HC880A-1/Z19-700	Z19-700	75.9	12.83	1,731	100	36.1	39.9	43.7	7.78	16.07
		1,927.1	271.8	236,400	5,399	176.2	194.8	213.3	2.37	4.90
HC880A-1/Z26-700	Z26-700	75.9	14.28	1,846	107	39.1	43.8	48.6	8.02	16.31
		1,927.1	302.5	252,840	5,759	190.7	214.1	237.5	2.45	4.98
HC880B-1/Z14-770	Z14-770	81.4	13.01	1,630	97	36.9	40.6	44.3	9.26	16.43
		2,067.1	275.3	222,552	5,203	180.0	198.1	216.2	2.82	5.00
HC880B-1/Z19-700	Z19-700	75.9	13.79	1,810	109	39.3	43.1	46.9	7.78	15.90
		1,927.1	292.1	247,126	5,849	192.1	210.7	229.2	2.37	4.85
HC880B-1/Z26-700	Z26-700	75.9	15.24	1,923	116	42.3	47.1	51.9	8.02	16.14
		1,927.1	322.8	263,412	6,220	206.6	230.0	253.4	2.45	4.93
HC880C-1/Z14-770	Z14-770	81.4	13.13	1,792	102	37.3	41.0	44.7	9.26	16.69
		2,067.1	277.9	244,682	5,464	182.0	200.1	218.2	2.82	5.08
HC880C-1/Z19-700	Z19-700	75.9	13.92	1,983	114	39.8	43.6	47.4	7.78	16.15
		1,927.1	294.8	270,761	6,120	194.2	212.8	231.4	2.37	4.93
HC880C-1/Z26-700	Z26-700	75.9	15.37	2,096	120	42.8	47.5	52.3	8.02	16.39
		1,927.1	325.6	287,131	6,476	208.8	232.2	255.6	2.45	5.00
HC1080A-1/Z14-770	Z14-770	81.4	14.18	2,817	131	40.9	44.6	48.3	9.26	17.96
		2,067.1	300.2	384,567	7,025	199.6	217.3	235.8	2.82	5.48
HC1080A-1/Z19-700	Z19-700	75.9	15.06	3,078	144	43.7	47.5	51.3	7.78	17.42
		1,927.1	319.1	420,393	7,763	213.3	231.9	250.5	2.37	5.31
HC1080A-1/Z26-700	Z26-700	75.9	16.51	3,192	150	46.7	51.4	56.2	8.02	17.66
		1,927.1	349.8	437,227	8,061	227.8	251.2	274.6	2.45	5.38
HC1080B-1/Z14-770	Z14-770	81.4	14.54	3,162	141	42.1	45.8	49.5	9.26	1.26
		2,067.1	307.9	431,856	7,579	205.6	223.7	241.8	2.82	5.57
HC1080B-1/Z19-700	Z19-700	75.9	15.45	3,449	155	45.0	48.8	52.6	7.78	17.71
		1,927.1	327.4	470,990	8,355	219.8	238.4	256.9	2.37	5.40
HC1080B-1/Z26-700	Z26-700	75.9	16.90	3,562	161	48.0	52.8	57.6	8.02	17.95
		1,927.1	358.1	487,884	8,642	234.3	257.7	281.1	2.45	5.47

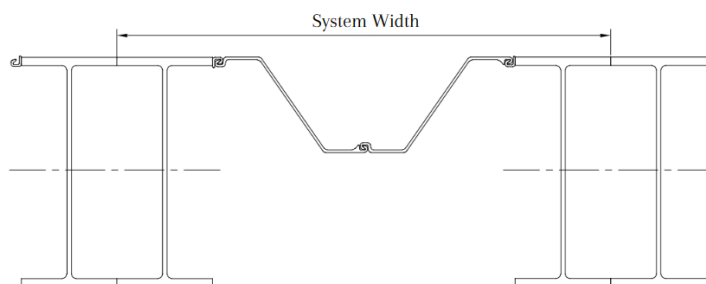
# H Pile Combi-Wall



**Combination ESC H-1 with Hot Rolled Z Series Sheet Piles**

H-Pile Combi-System	Sheet Pile Section	System Width	Properties per Meter of Wall			Weight Combination			Coating Area	
			Sectional Area	Moment of Inertia	Section Modulus	SP=60%H	SP=80%H	SP=100%H	Water Side	Land Side
		in mm	in <sup>2</sup> /ft cm <sup>2</sup> /m	in <sup>4</sup> /ft cm <sup>4</sup> /m	in <sup>3</sup> /ft cm <sup>3</sup> /m	lbs/ft <sup>2</sup> kg/m <sup>2</sup>	lbs/ft <sup>2</sup> kg/m <sup>2</sup>	lbs/ft <sup>2</sup> kg/m <sup>2</sup>	ft <sup>2</sup> /ft m <sup>2</sup> /m	ft <sup>2</sup> /ft m <sup>2</sup> /m
HC1080C-1/Z14-700	Z14-700	81.4	15.45	3,455	153.4	45.2	48.9	52.6	9.26	18.29
		2,067.1	327.0	471,761	8,245	220.6	238.7	256.8	2.82	5.56
HC1080C-1/Z19-700	Z19-700	75.9	16.43	3,764.40	169	48.3	52.1	56.0	7.78	17.76
		1,927.1	348.1	514,062	9,073	236.0	254.6	273.2	2.37	5.41
HC1080C-1/Z26-700	Z26-700	75.9	17.88	3,875.53	174	51.3	56.1	60.9	8.02	18.00
		1,927.1	378.8	530,895	9,359	250.6	274.0	297.4	2.45	5.49
HC1080D-1/Z14-700	Z14-700	81.4	16.33	3,717.00	165	48.2	51.9	55.6	9.26	18.30
		2,067.1	345.7	507,643	8,869	235.3	253.4	271.5	2.82	5.58
HC1080D-1/Z19-700	Z19-700	75.9	17.39	4,048.41	181	51.6	55.4	59.2	7.78	17.77
		1,927.1	368.4	552,846	9,748	252.0	270.6	289.2	2.37	5.42
HC1080D-1/Z26-700	Z26-700	75.5	18.84	4,158.10	187	54.6	59.4	64.2	8.02	18.01
		1,918.4	399.2	569,602	10,033	266.6	290.0	313.3	2.45	5.49
HC1180A-1/Z19-700	Z19-700	75.9	18.08	4,109.17	190	54.0	57.8	61.6	7.78	17.55
		1,927.1	383.1	561,144	10,238	263.5	282.1	300.7	2.37	5.35
HC1180A-1/Z26-700	Z26-700	75.9	19.54	4,216.64	196	57.0	61.8	66.5	8.02	17.79
		1,927.1	413.9	577,621	10,529	278.1	301.5	324.9	2.45	5.43
HC1180B-1/Z19-700	Z19-700	75.9	18.41	4,379.31	199	55.1	58.9	62.7	7.78	17.69
		1,927.1	390.0	598,034	10,697	268.9	287.5	306.1	2.37	5.40
HC1180B-1/Z26-700	Z26-700	75.9	19.86	4,485.92	204	58.1	62.9	67.6	8.02	17.93
		1,927.1	420.8	614,509	10,983	283.5	306.9	330.3	2.45	5.47
HC1180C-1/Z19-700	Z19-700	75.9	19.04	4,603.25	210	57.2	61.0	64.8	7.78	17.67
		1,927.1	403.3	628,615	11,296	279.4	298.0	316.6	2.37	5.39
HC1180C-1/Z26-700	Z26-700	75.9	20.49	4,708.00	215	60.2	65.0	69.8	8.02	17.91
		1,927.1	434.2	644,931	11,582	294.0	317.4	340.8	2.45	5.46
HC1180D-1/Z19-700	Z19-700	75.9	19.94	4,811.04	221	60.3	64.1	67.9	7.78	17.64
		1,927.1	422.6	656,990	11,855	294.5	313.1	331.7	2.37	5.38
HC1180D-1/Z26-700	Z26-700	75.9	21.40	4,914.43	226	63.3	68.1	72.9	8.02	17.88
		1,927.1	453.4	673,209	12,141	309.1	332.5	355.9	2.45	5.46

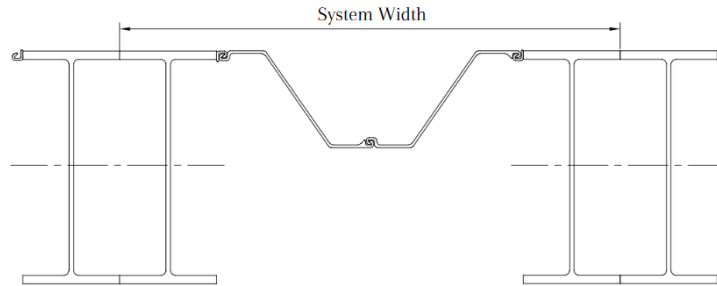
# H Pile Combi-Wall



## Combination ESC H-2 with Hot Rolled Z Series Sheet Piles

H-Pile Combi-System	Sheet Pile Section	System Width	Properties per Meter of Wall			Weight Combination			Coating Area	
			Sectional Area	Moment of Inertia	Section Modulus	SP=60%H	SP=80%H	SP=100%H	Water Side	Land Side
		in mm	in <sup>2</sup> /ft cm <sup>2</sup> /m	in <sup>4</sup> /ft <sup>4</sup> cm <sup>4</sup> /m	in <sup>3</sup> /ft <sup>3</sup> cm <sup>3</sup> /m	lbs/ft <sup>2</sup> kg/m <sup>2</sup>	lbs/ft <sup>2</sup> kg/m <sup>2</sup>	lbs/ft <sup>2</sup> kg/m <sup>2</sup>	ft <sup>2</sup> /ft m <sup>2</sup> /m	ft <sup>2</sup> /ft m <sup>2</sup> /m
HC880A-2/Z14-770	Z14-770	99.9	16.41	2,699.16	155	49.7	52.8	56	8.79	17.33
		2,538.0	347.7	369,748	8,331	242.8	257.9	273.0	2.68	5.28
HC880A-2/Z19-700	Z19-700	93.6	16.38	2,771.05	159	49.6	52.7	55.8	9.29	17.83
		2,378.0	347.0	378,412	8,538	242.4	257.4	272.4	2.83	5.43
HC880A-2/Z26-700	Z26-700	93.6	17.55	2,860.73	164	52.0	55.9	59.8	9.53	18.07
		2,376.4	371.9	391,880	8,829	254.2	273.0	291.9	2.90	5.51
HC880B-2/Z14-700	Z14-700	99.9	17.95	2,800.29	167	55.0	58.0	61.1	8.79	17.11
		2,538.0	380.3	383,601	8,994	268.0	283.1	298.2	2.68	5.22
H880B-2/Z19-700	Z19-700	93.6	17.92	2,873.57	171	54.9	57.9	61.0	9.29	17.61
		2,378.0	379.6	392,412	9,211	267.9	282.9	297.9	2.83	5.37
HC880B-2/Z26-700	Z26-700	93.6	19.09	2,961.85	177	57.3	61.2	65.0	9.53	17.85
		2,376.4	404.4	405,733	9,513	279.7	298.6	317.5	2.90	5.44
HC880C-2/Z14-770	Z14-770	99.9	18.15	3,074.50	176	55.7	58.7	61.8	8.79	17.36
		2,538.0	384.6	421,164	9,455	271.8	286.9	301.9	2.68	5.29
HC880C-2/Z19-700	Z19-700	93.6	18.12	3,148.08	180	55.6	58.6	61.7	9.29	17.86
		2,378.0	383.9	429,898	9,662	271.3	286.3	301.3	2.83	5.44
HC880C-2/Z26-700	Z26-700	93.6	19.29	3,236.07	185	58.0	61.9	65.7	9.53	18.10
		2,376.4	408.8	443,297	9,952	283.1	302.0	320.9	2.90	5.52
HC1080A-2/Z14-770	Z14-770	99.9	20.08	4,947.47	230	62.2	65.3	68.4	8.79	18.67
		2,538.0	425.5	677,736	12,374	303.9	319.0	334.0	2.68	5.69
HC1080A-2/Z19-700	Z19-700	93.6	20.05	5,023.51	233	62.1	65.2	68.3	9.29	19.17
		2,378.0	424.8	686,005	12,535	303.4	318.4	333.4	2.83	5.84
HC1080A-2/Z26-700	Z26-700	93.6	21.22	5,109.04	238	64.6	68.4	72.3	9.53	19.41
		2,376.4	449.7	699,869	12,778	315.2	334.1	353.0	2.90	5.92
HC1080B-2/Z14-770	Z14-770	99.9	21.38	5,401.27	247	66.6	69.7	72.8	8.79	18.81
		2,538.0	452.9	739,900	13,300	325.3	340.4	355.5	2.68	5.73
HC1080B-2/Z19-700	Z19-700	93.6	21.34	5,478.57	250	66.5	69.6	72.7	9.29	19.31
		2,378.0	452.1	748,147	13,458	324.9	339.9	354.9	2.83	5.88
HC1080B-2/Z26-700	Z26-700	93.6	22.52	5,566.43	254	68.9	72.8	76.6	9.53	19.55
		2,376.4	477.0	762,033	13,698	336.7	355.6	374.5	2.90	5.96

# H Pile Combi-Wall



## Combination H-2 with Hot Rolled Z Series Sheet Piles

H-Pile Combi-System	Sheet Pile Section	System Width	Properties per Meter of Wall			Weight Combination			Coating Area	
			Sectional Area	Moment of Inertia	Section Modulus	SP=60%H	SP=80%H	SP=100%H	Water Side	Land Side
		in mm	in <sup>2</sup> /ft cm <sup>2</sup> /m	in <sup>4</sup> /ft cm <sup>4</sup> /m	in <sup>3</sup> /ft cm <sup>3</sup> /m	lbs/ft <sup>2</sup> kg/m <sup>2</sup>	lbs/ft <sup>2</sup> kg/m <sup>2</sup>	lbs/ft <sup>2</sup> kg/m <sup>2</sup>	ft <sup>2</sup> /ft m <sup>2</sup> /m	ft <sup>2</sup> /ft m <sup>2</sup> /m
HC1080C-2/Z14-770	Z14-770	99.9	22.65	5,766.73	269	71.0	74.1	77.2	8.79	18.68
		2,538.0	479.9	789,963	14,453	346.6	361.70	376.8	2.68	5.69
HC1080C-2/Z19-700	Z19-700	93.6	22.62	5,846.55	272	70.9	74.0	77.0	9.29	19.18
		2,378.0	479.2	798,398	14,616	346.1	361.1	376.1	2.83	5.84
HC1080C-2/Z26-700	Z26-700	93.6	23.79	5,928.29	276	73.2	77.1	81.0	9.53	19.42
		2,376.4	504.1	812,095	14,858	357.9	376.80	395.7	2.90	5.92
HC1080D-2/Z14-770	Z14-770	99.9	24.19	6,206.80	289	76.2	79.3	82.4	8.79	18.70
		2,538.0	512.5	850,246	15,512	372.1	387.20	402.3	2.68	5.70
HC1080D-2/Z19-700	Z19-700	93.6	24.15	6,288.38	292	76.1	79.2	82.3	9.29	19.20
		2,378.0	511.7	858,734	15,675	371.6	386.6	401.6	2.83	5.85
HC1080D-2/Z26-700	Z26-700	93.6	25.33	6,368.37	296	78.5	82.4	86.3	9.53	19.44
		2,376.4	536.6	872,379	15,916	383.5	402.40	421.2	2.90	5.93
HC1180A-2/Z19-700	Z19-700	93.6	24.88	6,615.34	306	78.6	81.7	84.7	9.29	19.23
		2,378.0	527.1	903,384	16,441	383.7	398.7	413.7	2.83	5.86
HC1180A-2/Z26-700	Z26-700	93.6	26.06	6,693.83	310	81.0	84.9	88.7	9.53	19.47
		2,376.4	552.0	916,964	16,681	395.6	414.50	433.3	2.90	5.93
HC1180B-2/Z19-700	Z19-700	93.6	26.04	6,885.02	318	82.5	85.6	88.7	9.29	19.23
		2,378.0	551.7	940,211	17,098	403.1	418.1	433.1	2.83	5.86
HC1180B-2/Z26-700	Z26-700	93.6	27.22	6,962.50	322	85.0	88.8	92.7	9.53	19.47
		2,376.4	576.7	953,768	17,338	415.0	433.80	452.7	2.90	5.94
HC1180C-2/Z19-700	Z19-700	93.6	27.13	7,381.83	339	86.3	89.3	92.4	9.29	19.28
		2,378.0	574.9	1,008,055	18,247	421.2	436.2	451.2	2.83	5.87
HC1180C-2/Z26-700	Z26-700	93.6	28.31	7,457.04	344	88.7	92.6	96.4	9.53	19.51
		2,376.4	599.8	1,021,512	18,485	433.1	452.00	470.9	2.90	5.95
HC1180D-2/Z19-700	Z19-700	93.6	27.82	7,638.15	352	88.6	91.7	94.7	9.29	19.25
		2,378.0	589.3	1,043,058	18,909	432.6	447.6	462.6	2.83	5.87
HC1180D-2/Z26-700	Z26-700	93.6	29.00	7,711.98	356	91.0	94.9	98.8	9.53	19.49
		2,376.4	614.3	1,056,436	19,146	444.5	463.40	482.2	2.90	5.94