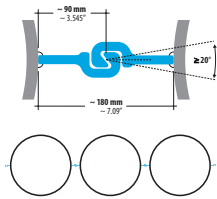


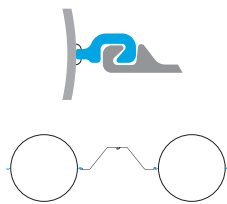
Combined walls

A combined wall is a compound wall that can consist of tubes and sheet piling, or beams and sheet piling. The sheet piling can be a Z-section or a U-section. Weld-on locks can be used to connect the tubes/beams to the sheet piling. Various combinations of tubes/beams and sheet piling are possible.

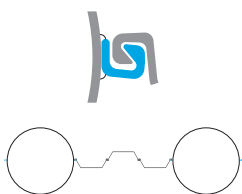


Pipe Pile Wall

Pipe Pile diameter x WT	Lock 2x	Moment of resistance	Moment of inertia	System width	Tube weight	Wall weight	Coating on both sides
mm	per pipe	cm ³ /m	cm ⁴ /m	mm	kg/m	kg/m ²	m ² /m
914 x 12.7	LPB 180	7.307	334.059	1.094	282.4	285.7	3.2
914 x 19.1	LPB 180	10.733	490.701	1.094	420.6	411.9	3.2
1067 x 19.1	LPB 180	12.939	690.167	1.247	492.2	419.0	3.7
1219 x 19.1	LPB 180	15.161	924.237	1.399	563.8	424.5	4.2



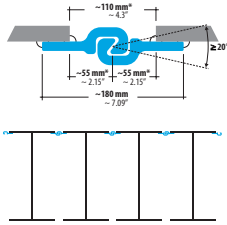
Pipe Pile diameter x WT	Double sheet piling	System width	Moment of resistance	Moment of inertia	Sheet pile length as a % to pipe length			Coating on both sides
					100 %	80 %	60 %	
mm	Z-profil	mm	cm ³ /m	cm ⁴ /m	kg/m ²	kg/m ²	kg/m ²	m ² /m
914.4 x 11.1	H1907	2.378	3.360	177.403	179.2	164.2	149.2	6.6
1067 x 12.7	H1907	2.530	4.593	272.215	201.0	186.9	172.8	7.1
1219 x 12.7	H1907	2.683	5.516	366.235	207.4	194.1	180.8	7.6
914.4 x 12.7	H2607	2.378	4.005	216.868	213.1	194.2	175.4	6.7
1067 x 15.9	H2607	2.530	5.812	348.961	251.3	233.5	215.8	7.2
1219 x 15.9	H2607	2.683	6.941	465.486	259	242.5	225.8	7.7



Pipe Pile diameter x WT	Sheet piling, 3-fold	System width	Moment of resistance	Moment of inertia	Sheet pile length as a % to pipe length			Coating on both sides
					100 %	80 %	60 %	
mm	U-profil	mm	cm ³ /m	cm ⁴ /m	kg/m ²	kg/m ²	kg/m ²	m ² /m
914.4 x 11.1	VL 603	2.778	2.781	127.144	165.7	150.4	135.0	7,68
1067 x 12.7	VL 603	2.931	3.942	210.331	185.3	170.8	156.3	8,16
1219 x 12.7	VL 603	3.083	4.829	294.359	191.7	177.8	164.0	8,64
914.4 x 12.7	VL 605	2.778	3.431	156.805	197.6	178.4	159.2	8,23
1067 x 15.9	VL 605	2.931	5.088	271.455	231.6	213.4	195.2	8,71
1219 x 15.9	VL 605	3.083	6.162	375.573	239.5	222.3	204.9	9,19

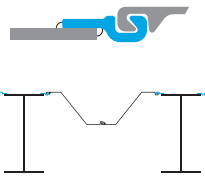


Combined walls

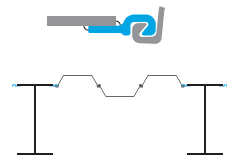


King Pile Wall

King Pile	Lock 2x	Moment of resistance	Moment of inertia	System width	Pipe weight	Wall weight	Coating on both sides
	per beam	cm ³ /m	cm ⁴ /m	mm	mm	kg/m	m ² /m
IHZ 880M A	LPB 180	9.185	410.770	511,8	831,3	261,8	1,14
IHZ 1080M A	LPB 180	13.980	799.480	507,8	1075,3	323,6	1,14
IHZ 1080M C	LPB 180	16.530	943.630	509,8	1075,3	374,6	1,14
IHZ 1180M C	LPB 180	18.785	1.078.560	512,8	1075,4	422,7	1,14



King Pile	Double sheet piling	System width	Moment of resistance	Moment of inertia	Sheet pile length as a % to pipe length			Coating on both sides
					100 %	80 %	60 %	
	Z-profil	mm	cm ³ /m	cm ⁴ /m	kg/m ²	kg/m ²	kg/m ²	m ² /m
IHZ 880M A	H1907	1.927	5.403	241.653	218,8	198,8	178,9	2,48
IHZ 1080M A	H1907	1.923	7.769	444.183	251,4	231,3	211,4	2,47
IHZ 1180M A	H1907	1.927	10.241	588.033	302,2	282,3	262,3	2,48
IHZ 880M A	H2607	1.927	5.735	256.420	242,5	217,8	193,1	2,55
IHZ 1080M A	H2607	1.923	8.025	458.990	275,1	250,3	225,6	2,55
IHZ 1180M A	H2607	1.927	10.500	602.790	325,9	301,2	276,5	2,55



King Pile	Sheet piling, 3-fold	System width	Moment of resistance	Moment of inertia	Sheet pile length as a % to pipe length			Coating on both sides
					100 %	80 %	60 %	
	U-profil	mm	cm ³ /m	cm ⁴ /m	kg/m ²	kg/m ²	kg/m ²	m ² /m
IHZ 880M A	VL 603	2.358	4.101	189.687	174,9	158,6	144,3	3,02
IHZ 1080M A	VL 603	2.354	6.061	355.539	201,4	186,1	170,7	3,02
IHZ 1180M A	VL 603	2.358	8.238	473.730	243,2	227,9	212,6	3,02
IHZ 880M A	VL 605	2.358	4.454	206.003	192,8	173,9	155,0	3,30
IHZ 1080M A	VL 605	2.354	6.340	371.872	219,3	200,4	181,5	3,29
IHZ 1180M A	VL 605	2.358	8.522	490.035	261,1	242,2	223,3	3,30

Different projects have different requirements. Our structural engineers will calculate the most cost-efficient combined wall solution for you, duly considering all the aspects that apply to you and your project.

