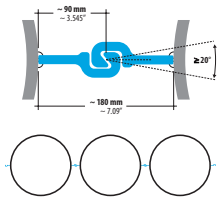


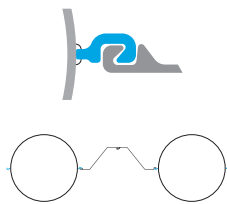
# Combined walls

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.

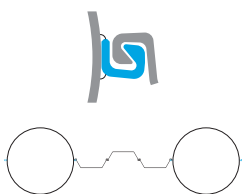


## Pipe Pile Wall

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 <sup>3</sup> /m	cm <sup>4</sup> /m	mm	kg/m	kg/m <sup>2</sup>	m <sup>2</sup> /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



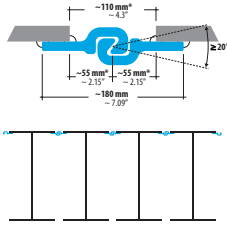
Pipe Pile diameter x WT	Double sheet piling	System width	Moment of resistance	Moment of inertia	Sheet pile length as a % to pipe length			Coating on both sides
					100 %	80 %	60 %	
mm	Z-profil	mm	cm <sup>3</sup> /m	cm <sup>4</sup> /m	kg/m <sup>2</sup>	kg/m <sup>2</sup>	kg/m <sup>2</sup>	m <sup>2</sup> /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 <sup>3</sup> /m	cm <sup>4</sup> /m	kg/m <sup>2</sup>	kg/m <sup>2</sup>	kg/m <sup>2</sup>	m <sup>2</sup> /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

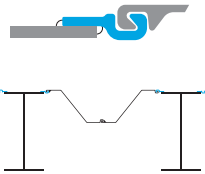


# Combined walls



## 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 <sup>3</sup> /m	cm <sup>4</sup> /m	mm	mm	kg/m	m <sup>2</sup> /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 <sup>3</sup> /m	cm <sup>4</sup> /m	kg/m <sup>2</sup>	kg/m <sup>2</sup>	kg/m <sup>2</sup>	m <sup>2</sup> /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 <sup>3</sup> /m	cm <sup>4</sup> /m	kg/m <sup>2</sup>	kg/m <sup>2</sup>	kg/m <sup>2</sup>	m <sup>2</sup> /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.

