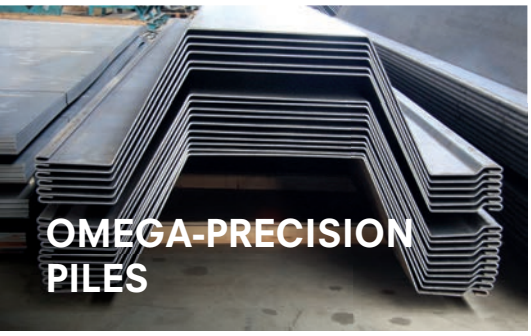
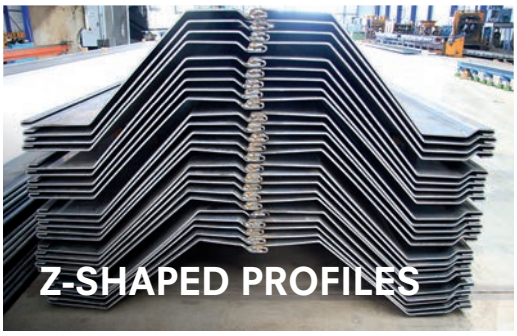
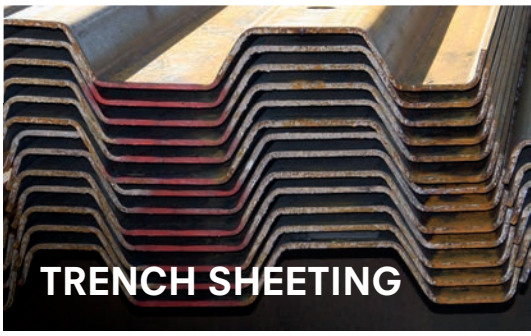
MEEVER & MEEVER







COLD FORMED SHEET PILES EN 10249

NEW LIGHT WEIGHT PROFILES

MANUFACTURED BY MEEVER & MEEVER

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Introduction

Meever & Meever is a manufacturer and a global distributor of steel piling products. With its headquarters in the Netherlands, Meever & Meever is a versatile, entrepreneurial, family owned business with continuous growth for more than forty years. Meever & Meever has a global reach with its worldwide facilities and subisidiaries, and stock locations in the Netherlands, Germany, Poland, the UAE, Australia and the US.

Meever's global continuous growth is the direct result of its worldwide network and expertise. Meever specializes in supplying steel sheet pile, steel (welded and seamless) pipe pile, steel H pile, structural steel, anchoring and strutting systems, and accessories required by the pile driving industry. Meever considers teamwork with its customers as a key element of its success.

In this brochure, we focus on our cold rolled and cold formed product lines. As manufacturer, we provide various sheet pile options and due to our in-house manufacturing and fabrication capabilities, we produce and supply in accordance with your specific requirements.

Subject	Page
Introduction and table of contents	1
Cold-formed profiles	2
MKL Profile	3
MKZ Profile	4
IBO® precision piles	5
VKZ precision piles	7
IBZ and MKU Profile	8
MKD Profile	9
Properties Cold-formed sheet piles	10
Corner sections	11
Interlock Sealing	13
Shape tolerances	14

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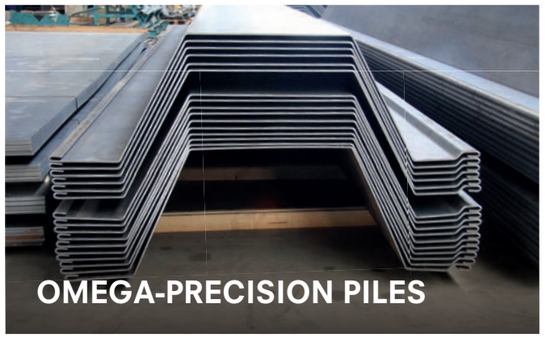
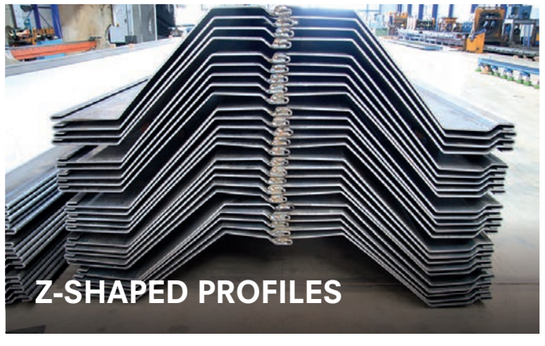
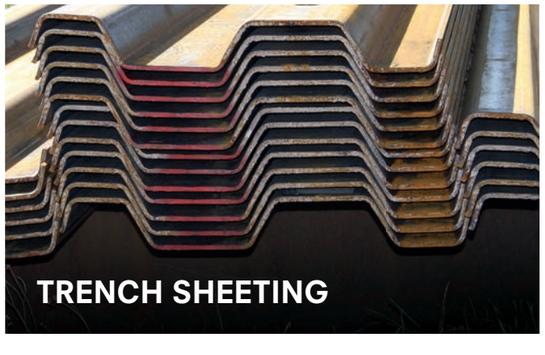






We supply a market-orientated range of cold-formed profiles from our own cold-rolling mills.

Our product range includes:

1. Omega-Hat-Profiles and Omega-Precision Profiles
2. Z-shaped profiles
3. Trench sheeting

1. Omega Profile

Omega profiles are mainly used for inner-city canal shoring, excavation pits, retaining walls and dyke rehabilitation. The unique interlock connection of this profile proves to be reliable for installation methods like vibrating or a pressing method. It gives the wall a high level of stability. The profiles are manufactured in lengths up to 24.0 m.

As a service provider and producer for the construction industry, we ensure that profiles and solutions are economical and suitable for the construction site, which are characterised by fast and punctual delivery.

2. Z-Profile

These profiles are particularly suitable for cofferdams, bulkheads and retaining walls and other applications. As single, double or quadruple piles, they are available in large widths which allows ensure rapid construction progress when installed by vibration or when pressed into place.

3. Trench sheeting

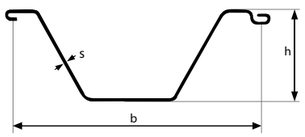
Trench sheeting is primarily used in trench shoring as a reliable means of securing trenches, shafts and construction pits. In our cold-rolling mill we ensure the flawless production of the profiles, which we stock in lengths up to 12 m. The rolling of longer lengths is possible if required.

Omega-Hat-Profile

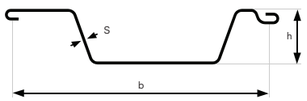
MKL 3	Wy cm³/m	Ly cm⁴/m	Width mm	Height mm	Thickness mm	Weight kg/m	Weight kg/m²
MKL 3-4	**302**	2.209	700	150	4	**32,4**	46,3
MKL 3-5	**374**	2.753	700	152	5	**40,4**	57,7
MKL 3-6	**455**	3.369	700	154	6	**48,5**	69,3
MKL 3-7	**540**	4.004	700	156	7	**56,3**	80,4
MKL 3-8	**600**	4.460	700	158	8	**64,2**	91,7
MKL 3-9	**680**	5.120	700	160	9	**72**	102,9

MKL 4	Wy cm³/m	Ly cm⁴/m	Width mm	Height mm	Thickness mm	Weight kg/m	Weight kg/m²
MKL4-5	**774**	10.920	710	294	5	**49,5**	69,7
MKL 4-6	**933**	13.530	710	296	6	**57,9**	81,6
MKL 4-7	**1080**	15.701	710	298	7	**67,3**	94,8
MKL 4-8	**1230**	17.896	710	300	8	**76,7**	108,1
MKL 4-9	**1380**	20.896	710	302	9	**85,6**	120,6

MKL 4



MKL 3



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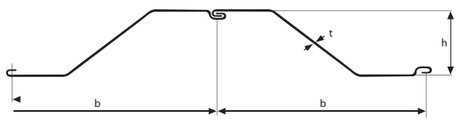
Z-shaped profiles

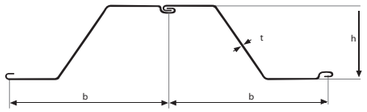
MKZ 785	Wy [cm³/m]	Iy [cm⁴/m]	Width [mm]	Height [mm]	Thickness [mm]	Weight [kg /m¹]	Weight [kg /m²]
MKZ 785-5	**605**	8.395	785	276	5	**41,9**	53,4
MKZ 785-6	**724**	10.053	785	277	6	**50,4**	64,2
MKZ 785-7	**836**	11.657	785	278	7	**58,4**	74,4
MKZ 785-8	**951**	13.302	785	279	8	**66,6**	84,8
MKZ 785-9	**1.067**	14.944	785	280	9	**74,8**	95,3

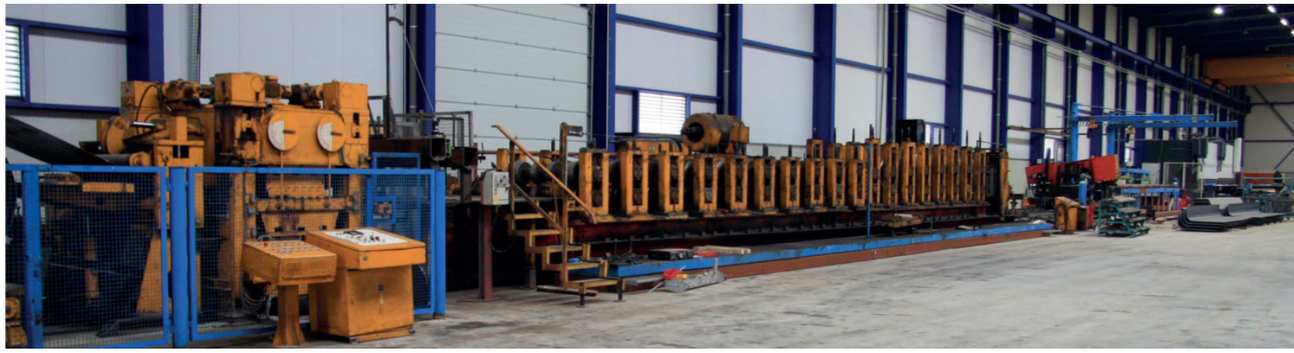
MKZ 675	Wy [cm³/m]	Iy [cm⁴/m]	Width [mm]	Height [mm]	Thickness [mm]	Weight [kg /m¹]	Weight [kg /m²]
MKZ 675-5	**972**	18.500	675	376	5	**41,9**	62,1
MKZ 675-6	**1.164**	22.131	675	377	6	**50,4**	74,7
MKZ 675-7	**1.350**	25.698	675	378	7	**58,4**	86,5
MKZ 675-8	**1.540**	29.332	675	379	8	**66,6**	98,7
MKZ 675-9	**1.728**	32.914	675	380	9	**74,8**	110,8

MKZ 785



MKZ 675





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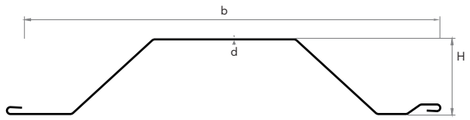
Tailor made designed and Manufactured by Meever & Meever

Precision pile

Meever & Meever offers a exceptionally precise manufacturing process for cold-formed sheet piles. We offer an exclusive proprietary method to produce cold formed sheet piles. The sheet piles are formed in the required shape with a very precise interlock, therefore we call it the cold formed "Precision pile".

Meever & Meever believes this revolutionary process will change the dynamics of the cold formed sheet pile industry. See our IBO® and VKZ sheet pile series. We offer cold formed sheet piles in 3 different shapes.



WEIGHT ADVANTAGE UP TO 40%

Cold formed Precision piles

All cold-rolled or cold-formed sheet piling is designed to match your project's specific needs. The dimensions, weight and technical specifications of this sheet piling exactly match the requirements specified in the project documents. Available in thicknesses up to 12 mm and lengths up to 24 m. The table on the right it shows a comparison between hot rolled sheet piles and our IBO® cold-formed sheet piles in different thicknesses.

Our Precision piles are developed by certified engineers based on your requirements. We will develop the most advanced Profile with the required Section Modulus. Your required thickness, width and height are all included in the design. You can find some examples on the next page. On your demand you will receive a special profile which is developed for your project specifically.

Advantages

- Larger effective width = fewer interlock seals
- Less material = lower weight per m²
- Suitable for smaller series
- Short delivery times
- Alternative to tropical hardwood
- Water resistant

On request we can make the required cover profile custom made.

	thickness	profile	details	weight advantage	
GU 6N Wy 625 cm³/m Iy 9.670 cm⁴/m 69,9 m²	**5 mm**	IBO® - 708-5	Wy 708 cm³/m Iy 11.413 cm⁴/m 51,3 kg/m²	GU 6N	**- 27%**
	6 mm	IBO® - 736-6	Wy 736 cm³/m Iy 11.238 cm⁴/m 59,0 kg/m²	GU 6N	**- 16%**
	7 mm	IBO® - 741-7	Wy 741 cm³/m Iy 9.692 cm⁴/m 67,9 kg/m²	GU 6N	**- 3%**
Larssen 601 Wy 745 cm³/m Iy 11.520 cm⁴/m 78,0 kg/m² GU 7S Wy 740 cm³/m Iy 11.540 cm⁴/m 77,1 kg/m²	**5 mm**	IBO® - 781-5	Wy 781 cm³/m Iy 14.118 cm⁴/m 54,1 kg/m²	Larssen 601 GU 7S	**- 30%** **- 30%**
	6 mm	IBO® - 788-6	Wy 788 cm³/m Iy 13.009 cm⁴/m 62,6 kg/m²	Larssen 601 GU 7S	**- 19%** **- 19%**
	7 mm	IBO® - 797-7	Wy 797 cm³/m Iy 11.192 cm⁴/m 70,7 kg/m²	Larssen 601 GU 7S	**- 8%** **- 8%**
Larssen 602 Wy 830 cm³/m Iy 12.870 cm⁴/m 89,0 kg/m² GU 8S Wy 820 cm³/m Iy 12.800 cm⁴/m 84,6 kg/m²	**5 mm**	IBO® - 867-5	Wy 867 cm³/m Iy 17.804 cm⁴/m 53,6 kg/m²	Larssen 602 GU 8S	**- 40%** **- 37%**
	6 mm	IBO® - 835-6	Wy 835 cm³/m Iy 13.721 cm⁴/m 63,4 kg/m²	Larssen 602 GU 8S	**- 29%** **- 25%**
	7 mm	IBO® - 846-7	Wy 846 cm³/m Iy 12.240 cm⁴/m 71,8 kg/m²	Larssen 602 GU 8S	**- 19%** **- 15%**
Larssen 603 Wy 1.200 cm³/m Iy 18.600 cm⁴/m 108,0 kg/m² AZ 12-770 Wy 1.245 cm³/m Iy 21.430 cm⁴/m 94,3 kg/m²	**6 mm**	IBO® - 1245-6	Wy 1.245 cm³/m Iy 26.474 cm⁴/m 70,9 kg/m²	Larssen 603 AZ 12-770	**- 34%** **- 25%**
	7 mm	IBO® - 1245-7	Wy 1.245 cm³/m Iy 24.688 cm⁴/m 78,0 kg/m²	Larssen 603 AZ 12-770	**- 27,8%** **- 17,3%**
	8 mm	IBO® - 1310-8	Wy 1.310 cm³/m Iy 23.620 cm⁴/m 87,1 kg/m²	Larssen 603 AZ 12-770	**- 19%** **- 8%**
Larssen 604 Wy 1.616 cm³/m Iy 30.400 cm⁴/m 123,0 kg/m²	**8 mm**	IBO® - 1616-8	Wy 1.616 cm³/m Iy 34.434 cm⁴/m 94,8 kg/m²	Larssen 604	**- 23%**
	9 mm	IBO® - 1757-9	Wy 1.757 cm³/m Iy 37.667 cm⁴/m 106,5 kg/m²	Larssen 604	**- 13%**
AZ 18-700 Wy 1.800 cm³/m Iy 37.800 cm⁴/m 109,3 kg/m²	**8 mm**	IBO® - 1805-8	Wy 1.805 cm³/m Iy 40.772 cm⁴/m 100,2 kg/m²	AZ 18-700	**- 8,3%**
	8 mm	VKZ® - 1850-8	Wy 1.850 cm³/m Iy 44.850 cm⁴/m 95,6 kg/m²	AZ 18-700	**- 21,5%**

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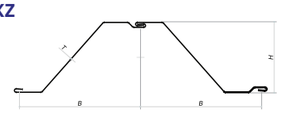
IBO®		Wy [cm³/m]	Iy [cm⁴/m]	Width [mm]	Height h [mm]	Thickness s [mm]	Weight [kg /m¹]	Weight [kg /m²]	Coating area [m² /m]
IBO®	264-4	**264**	2.128	1.017	160	4,0	40,0	**39,3**	2,26
IBO®	435-4	**435**	5.668	1.651	250	4,0	64,0	**38,8**	2,30
IBO®	619-4	**619**	10.926	1.540	350	4,0	64,0	**41,6**	2,47
IBO®	448-5	**448**	4.608	1.513	205	5,0	72,0	**47,6**	2,25
IBO®	462-5	**462**	5.044	1.504	215	5,0	72,0	**47,9**	2,26
IBO®	518-5	**518**	7.035	1.651	255	5,0	80,0	**48,2**	2,30
IBO®	619-5	**619**	9.747	1.643	300	5,0	80,0	**48,7**	2,31
IBO®	708-5	**708**	11.413	1.558	315	5,0	80,0	**51,3**	2,44
IBO®	720-5	**720**	11.724	1.365	325	5,0	72,0	**52,7**	2,49
IBO®	781-5	**781**	14.118	1.330	360	5,0	72,0	**54,1**	2,56
IBO®	867-5	**867**	17.804	1.492	410	5,0	80,0	**53,6**	2,55
IBO®	415-6	**415**	3.438	1.240	165	6,0	72,0	**58,1**	2,26
IBO®	541-6	**541**	6.037	1.503	220	6,0	86,4	**57,5**	2,25
IBO®	616-6	**616**	7.897	1.477	255	6,0	86,4	**58,5**	2,30
IBO®	699-6	**699**	9.538	1.443	275	6,0	86,4	**59,9**	2,37
IBO®	736-6	**736**	11.238	1.628	302	6,0	96,0	**59,0**	2,33
IBO®	788-6	**788**	13.009	1.380	320	6,0	86,4	**62,6**	2,46
IBO®	815-6	**815**	13.548	1.591	330	6,0	96,0	**60,3**	2,39
IBO®	835-6	**835**	13.721	1.363	325	6,0	86,4	**63,4**	2,49
IBO®	973-6	**973**	17.715	1.494	360	6,0	96,0	**64,3**	2,54
IBO®	1052-6	**1.052**	21.609	1.471	410	6,0	96,0	**65,3**	2,58
IBO®	1149-6	**1.149**	25.564	1.380	425	6,0	96,0	**69,6**	2,75
IBO®	1245-6	**1.245**	26.474	1.354	425	6,0	96,0	**70,9**	2,81
IBO®	741-7	**741**	9.692	1.633	260	7,0	112,0	**68,9**	2,33
IBO®	764-7	**764**	9.689	1.415	259	7,0	100,8	**71,2**	2,40
IBO®	797-7	**797**	11.192	1.425	280	7,0	100,8	**70,7**	2,39
IBO®	833-7	**833**	11.976	1.600	280	7,0	112,0	**70,0**	2,38
IBO®	846-7	**846**	12.290	1.403	290	7,0	100,8	**71,8**	2,42
IBO®	978-7	**978**	16.680	1.561	340	7,0	112,0	**71,7**	2,43
IBO®	1319-7	**1.319**	26.413	1.400	400	7,0	112,0	**80,0**	2,71
IBO®	1350-7	**1.350**	27.360	1.385	405	7,0	112,0	**80,9**	2,74
IBO®	1438-7	**1.438**	30.932	1.351	430	7,0	112,0	**82,9**	2,81
IBO®	512-8	**512**	4.105	1.222	160	8,0	96,0	**78,6**	2,29
IBO®	544-8	**544**	4.636	1.528	170	8,0	115,2	**75,4**	2,23
IBO®	582-8	**582**	5.442	1.675	175	8,0	128,0	**76,4**	2,27
IBO®	617-8	**617**	5.730	1.186	185	8,0	96,0	**80,9**	2,36
IBO®	848-8	**848**	13.285	1.600	290	8,0	128,0	**80,0**	2,38
IBO®	878-8	**878**	13.016	1.375	290	8,0	115,2	**83,8**	2,47
IBO®	928-8	**928**	13.758	1.568	290	8,0	128,0	**81,6**	2,42
IBO®	956-8	**956**	14.876	1.362	300	8,0	115,2	**84,7**	2,50
IBO®	999-8	**999**	14.270	1.376	285	8,0	115,2	**83,7**	2,47
IBO®	1135-8	**1.135**	18.504	1.539	325	8,0	115,2	**74,9**	2,21
IBO®	1217-8	**1.217**	19.814	1.489	325	8,0	128,0	**86,0**	2,55
IBO®	1310-8	**1.310**	23.620	1.470	360	8,0	128,0	**87,1**	2,59
IBO®	1451-8	**1.451**	28.945	1.410	391	8,0	128,0	**90,8**	2,70
IBO®	1616-8	**1.616**	34.434	1.350	425	8,0	128,0	**94,8**	2,81
IBO®	1805-8	**1.805**	40.772	1.278	450	8,0	128,0	**100,2**	2,97
IBO®	1225-9	**1.225**	19.303	1.338	315	9,0	129,6	**96,9**	2,54
IBO®	1483-9	**1.483**	33.442	1.430	420	9,0	144,0	**100,7**	2,66
IBO®	1757-9	**1.757**	37.667	1.352	420	9,0	144,0	**106,5**	2,81
IBO®	1814-9	**1.814**	38.577	1.346	425	9,0	144,0	**107,0**	2,82
IBO®	1922-9	**1.922**	41.339	1.303	430	9,0	144,0	**110,5**	2,92
IBO®	655-10	**655**	5.723	1.435	165	10,0	144,0	**100,3**	2,65
IBO®	1383-10	**1.383**	21.039	993	300	10,0	120,0	**120,8**	2,82
IBO®	1424-10	**1.424**	24.990	1.525	350	10,0	160,0	**104,9**	2,49
IBO®	2032-10	**2.032**	44.717	1.340	440	10,0	160,0	**119,4**	2,84

VKZ		Wy [cm³/m]	Iy [cm⁴/m]	Width [mm]	Height [mm]	Thickness [mm]	Weight [kg /m¹]	Weight [kg /m²]	Coating area [m² /m]
VKZ	471-5	**471**	5.421	809	230	5,0	**40,0**	49,4	2,22
VKZ	617-5	**617**	8.338	766	270	5,0	**40,0**	52,2	2,35
VKZ	644-5	**644**	9.785	766	304	5,0	**40,0**	52,2	2,35
VKZ	784-5	**784**	13.136	722	355	5,0	**40,0**	55,4	2,49
VKZ	965-5	**965**	20.516	676	425	5,0	**40,0**	59,2	2,66
VKZ	699-6	**699**	9.611	792	275	6,0	**48,0**	62,7	2,27
VKZ	783-6	**783**	11.939	748	305	6,0	**48,0**	64,1	2,41
VKZ	878-6	**878**	14.265	725	325	6,0	**48,0**	66,2	2,48
VKZ	1153-6	**1.153**	21.741	655	377	6,0	**48,0**	73,2	2,75
VKZ	1167-6	**1.167**	23.626	659	405	6,0	**48,0**	72,8	2,73
VKZ	1246-6	**1.246**	29.280	903	470	6,0	**60,0**	66,4	2,55
VKZ	491-7	**491**	4.293	794	175	7,0	**56,0**	70,5	2,27
VKZ	532-7	**532**	4.923	787	185	7,0	**56,0**	71,1	2,29
VKZ	846-7	**846**	11.628	737	275	7,0	**56,0**	75,9	2,44
VKZ	921-7	**921**	14.095	727	306	7,0	**56,0**	77,0	2,48
VKZ	1078-7	**1.078**	17.790	694	330	7,0	**56,0**	80,6	2,59
VKZ	1257-7	**1.257**	24.517	665	390	7,0	**56,0**	84,3	2,71
VKZ	1330-7	**1.330**	25.130	644	378	7,0	**56,0**	86,9	2,80
VKZ	1201-8	**1.201**	19.820	685	330	8,0	**64,0**	93,4	2,63
VKZ	1227-8	**1.227**	20.865	683	335	8,0	**64,0**	93,6	2,64
VKZ	1257-8	**1.257**	22.000	679	350	8,0	**64,0**	94,3	2,65
VKZ	1481-8	**1.481**	28.008	639	378	8,0	**64,0**	100,1	2,82
VKZ	1244-9	**1.244**	19.527	700	314	9,0	**72,0**	102,9	2,57
VKZ	1307-9	**1.307**	20.908	686	320	9,0	**72,0**	105,0	2,62
VKZ	1684-9	**1.684**	31.568	630	375	9,0	**72,0**	114,3	2,86
VKZ	1735-9	**1.735**	34.270	627	395	9,0	**72,0**	114,7	2,87
VKZ	1771-9	**1.771**	39.857	882	450	9,0	**90,0**	102,0	2,61
VKZ	1832-9	**1.832**	41.228	871	450	9,0	**90,0**	103,3	2,64
VKZ	1349-10	**1.349**	20.567	682	305	10,0	**80,0**	117,2	2,64
VKZ	1404-10	**1.404**	22.468	677	320	10,0	**80,0**	118,1	2,66
VKZ	1720-10	**1.720**	30.964	636	360	10,0	**80,0**	125,7	2,83
VKZ	1929-10	**1.929**	36.648	607	380	10,0	**80,0**	131,7	2,97
VKZ	2354-10	**2.354**	55.898	808	475	10,0	**100,0**	123,8	2,85
VKZ	2468-10	**2.468**	61.702	795	500	10,0	**100,0**	125,8	2,89
VKZ	2628-10	**2.628**	70.289	776	535	10,0	**100,0**	128,9	2,96

VKZ



Manufactured in accordance with:
Technical delivery conditions in accordance with EN 10249-1. Tolerances in accordance with EN 10249-2.

Steel qualities:
S 235, S 275, S 355 or Equivalent with 3.1 Certificate in accordance with EN 10204.

Standard availability:
Lengths up to 24 m, longer lengths on request.

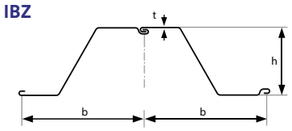
Cold formed sheet piles EN 10249
Robust - Economical - Safe
Tailor made designed and Manufactured by Meever & Meever

Alternatives for AZ profiles:

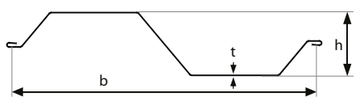
IBZ		Wy [cm³/m]	Iy [cm⁴/m]	Width [mm]	Height [mm]	Thickness [mm]	Weight [kg /m¹]	Weight [kg /m²]
IBZ	5-850	**656**	11.160	850	340	5,0	**42,8**	50,4
IBZ	6-800	**638**	9.505	800	300	6,0	**48,5**	62,0
IBZ	7-850	**714**	12.034	850	340	6,0	**51,3**	60,6
IBZ	7-725	**730**	10.727	725	300	6,0	**45,0**	60,4
IBZ	8-725	**846**	11.540	725	271	7,0	**52,0**	71,7
IBZ	12-770	**1.245**	21.430	770	344	8,5	**72,6**	94,0
IBZ	12-850	**1.205**	24.651	850	420	7,0	**44,3**	75,3
IBZ	13-770	**1.300**	22.360	770	344	9,0	**76,1**	99,0
IBZ	13-850	**1.318**	26.360	850	400	8,0	**73,1**	86,0
IBZ	14-770	**1.355**	23.300	770	345	9,5	**79,5**	103,0
IBZ	17-700	**1.730**	36.330	700	420	8,5	**73,1**	104,4
IBZ	18-700	**1.800**	37.800	700	420	9,0	**76,5**	109,0
IBZ	18-850	**1.805**	43.335	850	480	9,0	**85,9**	101,1
IBZ	19-750	**1.944**	44.718	750	460	9,0	**80,9**	107,8
IBZ	20-700	**1.945**	40.950	700	421	10,0	**83,3**	119,0
IBZ	20-850	**2.000**	46.862	850	470	10,0	**96,0**	112,9
IBZ	24-700	**2.430**	55.768	700	459	11,2	**95,7**	136,7
IBZ	26-700	**2.600**	59.800	700	460	12,2	**102,9**	147,0
IBZ	28-700	**2.760**	63.620	700	440	13,2	**110,0**	157,0
IBZ	28-725	**2.800**	75.965	725	550	10,0	**94,9**	130,9
IBZ	33-700	**3.285**	82.929	700	500	12,0	**76,7**	163,0
IBZ	36-700	**3.600**	89.668	700	520	12,5	**118,6**	169,4
IBZ	37-700	**3.710**	92.415	700	499	12,5	**124,5**	177,8
IBZ	39-700	**3.905**	97.500	700	560	13,5	**133,0**	190,0
IBZ	42-750	**4.231**	116.350	750	550	13,0	**141,6**	188,8
IBZ	46-580	**4.600**	110.465	580	540	15,0	**133,0**	229,0
IBZ	48-750	**4.805**	124.921	750	520	15,0	**172,4**	229,8

MKU	Wy [cm³/m]	Iy [cm⁴/m]	Width [mm]	Height [mm]	Thickness [mm]	Weight [kg /m¹]	Weight [kg /m²]	Coating area [m² /m]
MKU 130-3	**130**	778	795	120	3,0	**24,0**	30,2	2,31
MKU 520-8	**520**	4.811	1.170	185	8,0	**96,0**	82,1	2,39
MKU 940-8	**940**	15.291	1.531	325	8,0	**128,0**	83,6	2,48
MKU 1202-8	**1.202**	26.457	1.401	440	8,0	**128,0**	91,4	2,71

IBZ



MKU



Trench Sheeting

Our trench sheets are great to support your excavation, especially for temporry applications. These sheet piles utilize their overlapping ability to retain the soil and create a safe working environment. Where traditional interlocking sheet piles hold water from entering your excavation, trench sheets are most suitable in applications where ground water levels are not a concern. Due to the unique geometry, trench sheets can be installed and removed many times, making it an economic solution for temporary excavations.

Cold formed Trench sheets EN 10249

MKD	Wy [cm³/m]	Iy [cm⁴/m]	Width [mm]	Height [mm]	Thickness [mm]	Weight [kg /m¹]	Weight [kg /m²]
MKD VI/6	**182**	726	600	78	6	**37,5**	62,5
MKD VI/8	**242**	968	600	80	8	**50,0**	83,3

Cold formed sheet piles EN 10249
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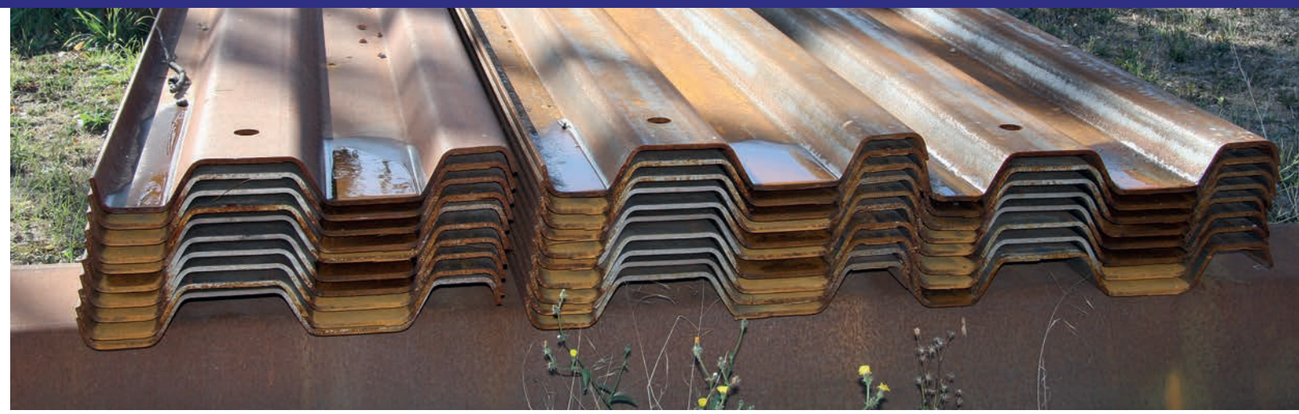


What you should know?

You have learned about the different sheet pile shapes and the advantages associated with each type. The sheet piles can be produced in various steel grades and shown in the table on the right. To summarize some of the main reasons to choose our cold formed sheet piles:

- Save weight, save on installation time, save money.
- In house production and various stocking locations to ensure timely delivery.
- Also available to rent for temporary applications.
- Compatible with our modular bracing system as shown below.
- Custom production and fabrication to suit your needs.
- Onsite and offsite engineering support and technical assistance.

Sheet pilling steel grades for cold-formed sheet piles conforming to EN 10 249-1

Steelgrade*	Minimum yield point	Tensile strength	Minimum elongation
	MPa	MPa	%
S 235 JRC	235	360 - 510	26
S 275 JRC	275	410 - 560	23
S 355 J0C	355	470 - 630	22

*) Mechanical proportions according to EN 10025 – 2:2004. Other steel grades on request.

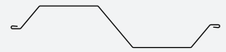
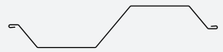
FOR SALE AND FOR RENT

Corner sections

IBO / MKL

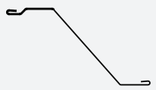
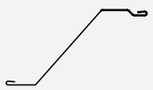
Shape 1 standard	Shape 2 (on request)

MKU

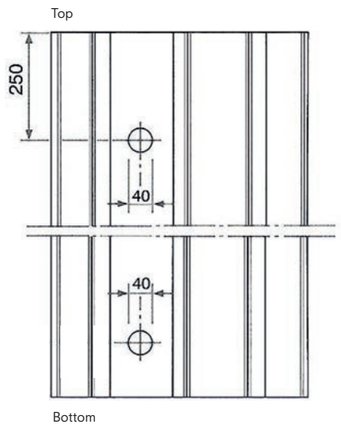
Shape 1 standard	Shape 2 (on request)
	

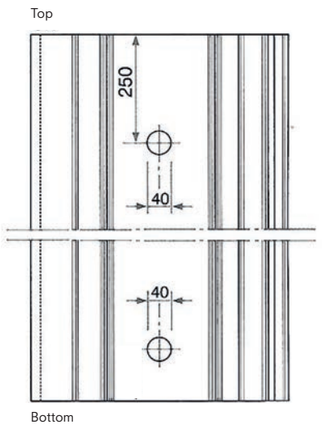
Triple piles

VKZ / MKZ / IBZ

Position A | Single	Position B | Single	Shape 1 standard	Shape 2 (on request)
			

Standard perforation





Cold formed sheet piles EN 10249
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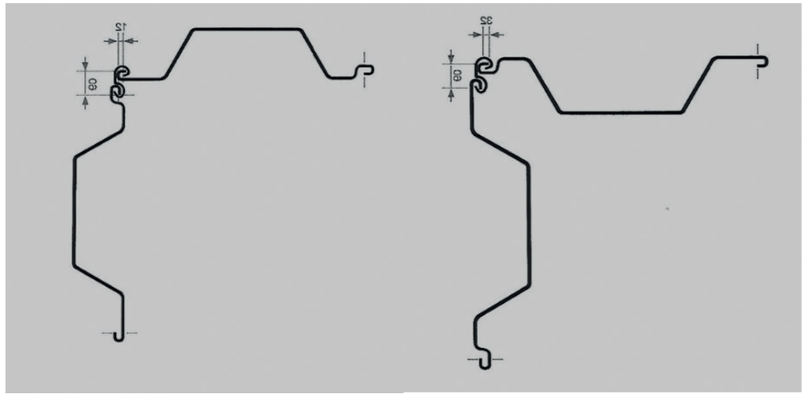
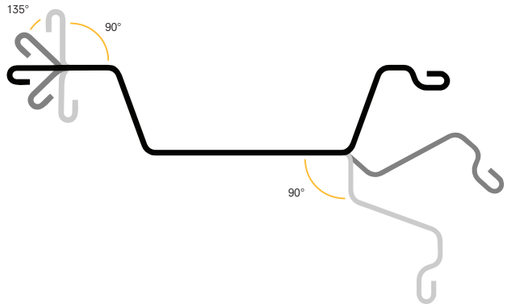
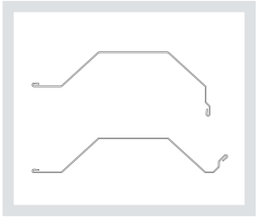
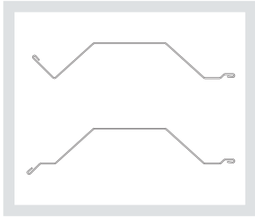
Corner solution with profile LV20n

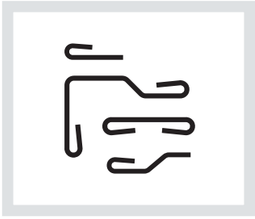


Meever can produce almost any specified angle corner piles from 40 - 300°









Meever can form sheet piling at any specified angle so that they are delivered to your construction site ready to go.

Interlock Sealing

Water can only seep through the locks of the sheet pile wall. The interlock offers seepage resistance with its elongated shape. If moderate seepage is tolerated, no additional seal is required in the interlock. Seal walls, bridge bulkheads, retaining walls and flood protection, wherever higher seepage resistance is required, seals should be used. Depending on the requirements, a distinction is made here between:

Intra Expanding Seal-Waterstop	Biguma Seal
PU based seal highest seepage resistance	Bitumen sealing with normal seepage resistance
Harmless to drinking water	Harmless to drinking water
Must be applied on the jobsite just before installation.	Can be installed on the construction site and in the factory
PU based Expanding Seal	In combination with the vibration lubricating effect

Application

Expanded 36 hours after application

Hydrophilic swelling sealant for watertight sheet pile joints.

Advantages Expanding Seal-Waterstop

- Due to its special formulation, INTRA Expanding Seal can be applied onto wet surfaces or in underwater applications.
- Solvent free.
- INTRA Expanding Seal adheres to steel, concrete, PVC, HDPE, fibreglass, etc.
- The excellent filling and adhesion properties of the product provide a first line filling of cracks and voids, even on slightly humid, smooth or rough surfaces.
- In contact with water INTRA Expanding Seal will expand to about 350% of it's original volume.
- Flexible system, which adapts to the irregular surface of the substrate.
- Easy application with a standard caulking gun.
- Durable: will exceed the construction's life.
- Good chemical resistance
- Resistant to petroleum products, mineral and vegetable oils and greases.

Cold formed sheet piles EN 10249
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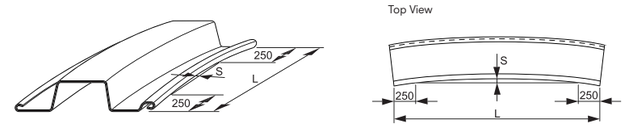
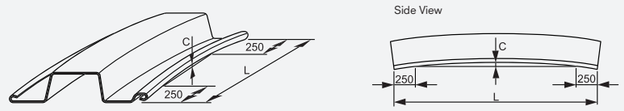
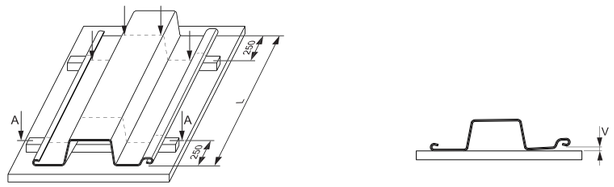
Shape tolerances

Deviation limits and dimensional tolerances for cold-formed sheet piles made of unalloyed steels conforming to EN 10 249-2

Pile width	Single piles ± 2 %; double piles ± 3 %
Wall thicknesses	The thickness is indicated in table 3 of the EN 10 051.
Height	h: up to 200 mm = ± 4 mm; over 200 up to 300 mm = ± 6 mm; over 300 up to 400 mm ± 8 mm; over 400 mm = ± 10 mm.
Deviation from straightness S	The longitudinal deviation from straightness S, must not exceed 0,25 % of the pile length. 
Deviation from straightness C	The longitudinal deviation from straightness C, must not exceed 0,25 % of the pile length. 
Torsion V	The Size V must not exceed ± 0,2 % of the pile length, with a maximum of 100 mm. 
Pile length	Sheet pile lengths are permitted to deviate by ± 50 mm from the ordered lengths.
Cut	Cut at right angles to the longitudinal axis. The total deviation between the highest and lowest points in the cutting plane, measured on a single pile along the longitudinal axis, must not exceed 2 % of the pile width.
Weight	The tolerance between the theoretical weight (acoording to section tables) and actual weight of the total consignment must be within ± 7 %.

COLD FORMED SHEET PILES EN 10249

ROBUST - ECONOMICAL - SAFE - ENVIRONMENTAL FRIENDLY

MANUFACTURED BY MEEVER & MEEVER

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