



Sheet piling

Steel sheet piling is commonly used in civil and hydraulic engineering projects. Construction projects rely heavily on sheet piling, especially in the Netherlands, with its low ground level, its abundant water and poor soil conditions. Many structures in numerous countries in Europe are made possible by using steel sheet piling. Our products are used in many projects in Europe, due to their high quality.

Hot-rolled and cold-rolled sheet piling

The difference between hot-rolled and cold-rolled sheet piling is in the production method and the material thickness.

Cold-rolled sheet piling is profiled from wide-plate steel and manufactured using a cold-deformation process. Cold-rolled sheet piling is available in steel thicknesses of 3 to 16 mm and is used in light to medium-heavy earth and water-retaining structures.

Hot-rolled sheet piling is profiled in a rolling process at high temperatures. Hot-rolled sheet piling is available in steel thicknesses up to over 20 mm, which means that they are also used in heavy-duty and long sheet-piling structures.

Custom-made sheet piling solutions

We can supply sheet piling of any length and thickness for any project. Because we specifically tailor our sheet piling to each situation we have a strong position and are competitive when it comes to the most cost-effective sheet-piling profiles.

Purchase and repurchase

Apart from renting out sheet piling, we also offer the option of purchase-repurchase. This is often opted for in long-term projects. Sheet piling is then sold back to InfraRentals after the end of the project.

Corner sections

InfraRentals can also supply corner sections to insert between different sheet-piling profiles. Corner sections can be used for all kinds of corner or angle solution.

Interlock sealing

We use Pile Lock for contaminated soil to seal sheet piling with interlock sealing. When this product comes into contact with water, it expands to 20 times its original volume. This makes the sheet piling interlocks watertight. Bitumen is used as interlock sealing for regular sealing.



Section	Widening torque (elastic)	Moment of inertia	Width	Height	Thickness		Weight		Widening torque (plastic)	Static moment	Cross-sectional area	Coating area
	cm ³ /m	cm ⁴ /m	mm	mm	t (mm)	s (mm)	kg/m ¹	kg/m ²	cm ³ /m	cm ³ /m	cm ² /m	m ² /m
VL 601	744	11.530	600	310,0	7,5	6,4	46,3	77,2	895	448	98,3	2,47
VL 601FP	745	11.547	600	310,0	7,2	7,0	47,4	79,0	906	453	100,7	2,47
VL 601K	775	12.019	600	310,0	7,8	6,8	48,5	80,8	936	468	102,9	2,47
VL 602A	806	12.499	600	310,0	8,0	7,3	51,3	85,5	979	490	109,0	2,47
VL 602	842	13.046	600	310,0	8,4	7,6	53,4	89,0	1.022	511	113,3	2,47
VL 602K	877	13.590	600	310,0	8,8	7,9	55,4	92,3	1.065	533	117,7	2,47
VL 603A	1.138	18.205	600	320,0	9,0	8,0	61,5	102,5	1.316	658	130,6	2,47
VL 603	1.200	19.199	600	320,0	9,6	8,2	64,2	107,0	1.386	693	136,3	2,65
VL 603KN	1.230	19.682	600	320,0	9,8	8,6	66,9	111,5	1.427	713	142,0	2,65
VL 603K	1.241	19.853	600	320,0	9,8	9,0	67,8	113,0	1.444	722	143,9	2,65
VL 603N	1.273	24.269	600	381,2	9,8	7,9	63,4	105,7	1.519	760	143,6	2,65
VL 603Z	1.300	20.930	600	322,0	10,0	10,0	72,1	120,2	1.525	763	153,1	2,65
VL 604A	1.564	30.495	600	390,0	9,6	8,8	71,0	118,3	1.823	912	150,8	2,88
VL 604	1.618	31.548	600	390,0	10,0	9,0	73,1	121,8	1.885	943	155,2	2,85
VL 604K	1.672	32.600	600	390,0	10,4	9,2	75,2	125,3	1.947	974	159,7	2,85
VL 605A	1.821	38.243	600	420,0	10,7	9,0	76,5	127,5	2.125	1.063	162,5	2,91
VL 605N	2.019	42.664	600	422,6	12,0	9,5	82,1	136,9	2.348	1.174	174,4	2,90
VL 605KN	2.117	44.886	600	424,0	12,6	10,0	85,6	142,7	2.466	1.233	181,8	2,90
VL 606A	2.205	47.402	600	430,0	13,4	9,0	85,4	142,3	2.541	1.271	181,3	2,93
VL 606AN	2.355	50.878	600	432,0	14,4	9,4	89,8	149,6	2.714	1.357	190,6	2,92
VL 606N	2.506	54.389	600	434,0	15,4	9,8	94,1	156,8	2.887	1.443	199,8	2,92
VL 628 -1,5	2.607	58.938	600	452,1	14,8	9,5	95,2	158,6	3.006	1.503	202,0	2,94
VL 628AN	2.701	61.219	600	453,3	15,4	9,8	97,9	163,1	3.114	1.557	207,8	2,94
VL 628A	2.809	63.856	600	454,7	16,1	10,0	100,8	168,0	3.238	1.619	214,0	2,94
VL 628	2.841	64.640	600	455,1	16,3	10,1	101,8	169,6	3.275	1.638	216,1	2,94
VL 628K	2.903	66.165	600	455,9	16,7	10,3	103,5	172,5	3.347	1.674	219,8	2,94
VL 607A	3.006	68.232	600	453,9	17,7	10,0	106,2	177,1	3.460	1.730	225,6	2,98
VL 607	3.211	73.300	600	456,5	19,0	10,6	112,4	187,3	3.701	1.851	238,6	2,98
VL 607K	3.365	77.153	600	458,5	20,0	11,0	116,8	194,7	3.882	1.941	248,0	2,98

Hoesch

Section	Widening torque (elastic)	Moment of inertia	Width	Height	Thickness		Weight		Coating area
	cm ³ /m	cm ⁴ /m	mm	mm	t (mm)	s (mm)	kg/m ¹	kg/m ²	m ² /m
Larssen 703	1.210	24.200	700	400	9,5	8,0	67,5	96,4	2,51
Larssen 703 K	1.300	25.950	700	400	10,0	9,0	72,1	103,0	2,51
Larssen 703 10/10	1.340	26.800	700	400	10,0	10,0	75,6	108,0	2,51
Larssen 716	1.600	35.200	700	440	10,2	9,5	79,9	114,2	2,68
Larssen 720	2.000	45.000	750	450	12,0	10,0	96,4	128,5	2,66
Larssen 600	510	3.825	600	150	9,5	9,5	56,4	94,0	2,25
Larssen 600 K	540	4.050	600	150	10,0	10,0	59,4	99,0	2,25
Larssen 601	745	11.520	600	310	7,5	6,4	46,8	78,0	2,45
Larssen 602	830	12.870	600	310	8,2	8,0	53,4	89,0	2,45
Larssen 603	1.200	18.600	600	310	9,7	8,2	64,8	108,0	2,60
Larssen 603 K	1.240	19.220	600	310	10,0	9,0	68,1	113,5	2,60
Larssen 603 10/10	1.260	19.530	600	310	10,0	10,0	69,6	116,0	2,60
Larssen 604 n	1.600	30.400	600	380	10,0	9,0	73,8	123,0	2,82
Larssen 605	2.020	42.420	600	420	12,5	9,0	83,5	139,2	2,90
Larssen 605 K	2.030	42.630	600	420	12,2	10,0	86,7	144,5	2,90
Larssen 606 n	2.500	54.375	600	435	14,4	9,2	94,2	157,0	2,92
Larssen 606 n K	2.530	55.030	600	435	14,4	10,0	97,3	162,1	2,92
Larssen 628	2.775	63.270	600	456	16,3	9,8	99,3	165,5	3,03
Larssen 607 n	3.200	72.320	600	452	19,0	10,6	114,0	190,0	2,93
Larssen 22	1.260	21.420	500	340	10,0	9,0	61,8	123,6	2,84
Larssen 22 10/10	1.300	22.100	500	340	10,0	10,0	64,9	129,8	2,84
Larssen 23	2.000	42.000	500	420	11,5	10,0	77,5	155,0	3,15
Larssen 24	2.500	52.500	500	420	15,6	10,0	87,5	175,0	3,15
Larssen 24/12	2.550	53.610	500	420	15,6	12,0	92,7	185,4	3,15
Larssen 25	3.040	63.840	500	420	20,0	11,5	103,0	206,0	3,11
Larssen 43	1.660	34.900	500	420	12,0	12,0	83,0	166,0	2,80
Larssen 430	6.450	241.800	708	750	12,0	12,0	166,0	234,5	3,96
SP II-W	1.000	13.000	600	260	10,3	8,0 - 6,5	61,8	103,0	-
SP III-W	1.800	32.400	600	360	13,4	10,0 - 8,0	81,6	136,0	-
SP IV-W	2.700	56.700	600	420	18,0	14,0 - 9,5	106,0	177,0	-



Cover profiles in any desired shape from our own production.

Do you want to save up to 40% on the profiles below?

Then look at the tailor-made suit in the sheet pile world on page 12.

ArcelorMittal

U-Profile

We are not able to offer products from ArcelorMittal from new production.

Section	Widening torque (elastic)	Moment of inertia	Width	Height	Thickness		Weight		Coating area
	cm ³ /m	cm ⁴ /m	mm	mm	t (mm)	s (mm)	kg/m ¹	kg/m ²	m ² /m
AU 14	1.405	28.680	750	408	10,0	8,3	77,9	104,0	2,54
AU 16	1.600	32.850	750	411	11,5	9,3	86,3	115,0	2,54
AU 18	1.780	39.300	750	441	10,5	9,1	88,5	118,0	2,66
AU 20	2.000	44.440	750	444	12,0	10,0	96,9	129,0	2,66
AU 23	2.270	50.700	750	447	13,0	9,5	102,1	136,0	2,72
AU 25	2.500	56.240	750	450	14,5	10,2	110,4	147,0	2,72
PU 12	1.200	21.600	600	360	9,8	9,0	66,1	110,0	2,64
PU 12S	1.260	22.660	600	360	10,0	10,0	71,0	118,0	2,64
PU 18-1	1.670	35.950	600	430	10,2	8,4	72,6	121,0	2,86
PU 18	1.800	38.650	600	430	11,2	9,0	76,9	128,0	2,86
PU 18+1	1.920	41.320	600	430	12,2	9,5	81,1	135,0	2,86
PU 22-1	2.060	46.380	600	450	11,1	9,0	81,9	137,0	2,98
PU 22	2.200	49.460	600	450	12,1	9,5	86,1	144,0	2,98
PU 22+1	2.335	52.510	600	450	13,1	10,0	90,4	151,0	2,98
PU 28-1	2.680	60.580	600	452	14,2	9,7	97,4	162,0	3,08
PU 28	2.840	64.460	600	454	15,2	10,1	101,8	170,0	3,08
PU 28 +1	3.000	68.380	600	456	16,2	10,5	106,2	177,0	3,08
PU 32-1	3.065	69.210	600	452	18,5	10,6	109,9	183,0	3,04
PU 32	3.200	72.320	600	452	19,5	11,0	114,1	190,0	3,04
PU 32+1	3.340	75.410	600	452	20,5	11,04	118,4	197,0	3,04
GU 6N	625	9.670	600	309	6,0	6,0	41,9	70,0	2,52
GU 7N	675	10.450	600	310	6,5	6,4	44,1	74,0	2,52
GU 7S	740	11.540	600	311	7,2	6,9	46,3	77,0	2,52
GU 7HWS	745	11.620	600	312	7,3	6,9	47,4	79,0	2,52
GU 8N	770	12.010	600	312	7,5	7,1	48,5	81,0	2,52
GU 8S	820	12.800	600	313	8,0	7,5	50,8	85,0	2,52
GU 10N	995	15.700	600	316	9,0	6,8	55,8	93,0	2,58
GU 11N	1.095	17.450	600	318	10,0	7,4	60,2	100,0	2,58
GU 12N	1.200	19.220	600	320	11,0	8,0	64,6	108,0	2,58
GU 13N	1.270	26.590	600	418	9,0	7,4	59,9	100,0	2,82
GU 14N	1.400	29.410	600	420	10,0	8,0	64,3	107,0	2,82
GU 15N	1.530	32.260	600	422	11,0	8,6	68,7	115,0	2,82
GU 16N	1.670	35.950	600	430	10,2	8,4	72,6	121,0	2,86
GU 18N	1.800	38.650	600	430	11,2	9,0	76,9	128,0	2,86
GU 20N	1.920	41.320	600	430	12,2	9,5	81,1	135,0	2,86
GU 21N	2.060	46.380	600	450	11,1	9,0	81,9	137,0	2,98
GU 22N	2.200	49.460	600	450	12,1	9,5	86,1	144,0	2,98
GU 23N	2.335	52.510	600	450	13,1	10,0	90,4	151,0	2,98
GU 27N	2.680	60.580	600	452	14,2	9,7	97,4	162,0	3,08
GU 28N	2.840	64.460	600	454	15,2	10,1	101,8	170,0	3,08
GU 30N	3.000	68.380	600	456	16,2	10,5	106,2	177,0	3,08
GU 31N	3.065	69.210	600	452	18,5	10,6	109,9	183,0	3,04
GU 32N	3.200	72.320	600	452	19,5	11,0	114,1	190,0	3,04
GU 33N	3.340	75.410	600	452	20,5	11,4	118,4	197,0	3,04
GU 16-400	1.560	22.580	400	290	12,7	9,4	62,0	155,0	3,20

U-Profile

Tolerances according: EN 10 248-1 and/und EN 10 248-2

Steel grades: S240GP, S270GP, S355GP, S390/S430**

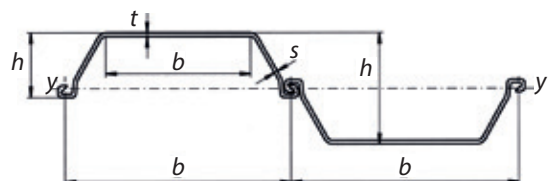
Versions: Single piles, Double piles, crimped or welded, Triple piles*

The resistance moments of the U-profiles may only be applied in the static calculation if at least every second pile lock in the wall is locked to absorb the shear forces.

Holes: Standard punching, diameter 40mm and standard distance between the holes axis and the sheet piles end is 300 mm or, alternatively 75 or 150 mm. Two-sided punching can be ordered, too.

* delivered upon agreement.

**Higher quality upon request.



Stock locations: • Maurik (NL) • Großwallstadt (DE) • Kissing (DE) • Pfreimd (DE) • Freiwalde (DE) • Ciesle (PL) • Riga (LV) • Galati (RO)

Section	Wy	ly	Width	Height	Thickness		Weight		Coating area
	cm ³ /m	cm ⁴ /m			mm	mm	t (mm)	s (mm)	
ESZ 17-700	1.735	36.360	700	420	8,5	8,5	74,0	105,7	2,63
ESZ 18-700	1.805	37.890	700	420	9,0	9,0	77,4	110,6	2,63
ESZ 19-700	1.875	39.420	700	421	9,5	9,5	80,8	115,5	2,63
ESZ 19-700 10/10	1.945	40.940	700	421	10,0	10,0	84,2	120,3	2,63
ESZ 20-700	2.015	42.470	700	422	10,5	10,5	87,6	125,2	2,63
ESZ 24-700	2.435	55.870	700	459	12,0	9,0	89,5	127,9	2,76
ESZ 25-700	2.520	57.840	700	460	12,5	9,5	93,1	133,0	2,76
ESZ 26-700	2.600	59.810	700	460	13,0	10,0	96,7	138,1	2,76
ESZ 27-700	2.685	61.780	700	461	13,5	10,5	100,3	143,3	2,76
ESZ 28-700	2.765	63.750	700	461	14,0	11,0	103,9	148,4	2,76
ESZ 29-700	2.930	67.740	700	462	15,0	12,0	111,1	158,8	2,76
ESZ 36-700	3.580	91.130	700	509	14,0	11,5	116,2	166,1	3,02
ESZ 37-700	3.690	94.000	700	510	14,5	12,0	120,2	171,8	3,02
ESZ 38-700	3.800	96.860	700	510	15,0	12,5	124,2	177,4	3,02
ESZ 39-700	3.905	99.720	700	511	15,5	13,0	128,2	183,1	3,02
ESZ 40-700	4.015	102.590	700	511	16,0	13,5	132,2	188,8	3,02

IRZ

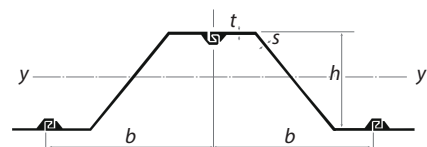
Section	Wy	ly	Width	Height	Thickness		Weight		Coating area
	cm ³ /m	cm ⁴ /m			mm	mm	t (mm)	s (mm)	
IRZ 12-700	1.208	18.971	700	314,2	8,6	8,5	67,9	97,0	2,60
IRZ 12-770	1.252	21.496	770	343,5	8,6	8,5	72,8	94,5	2,55
IRZ 13-700	1.308	20.611	700	315,2	9,6	9,5	74,2	105,9	2,60
IRZ 13-770	1.304	22.433	770	344,0	9,1	9,0	76,2	99,0	2,55
IRZ 14-700	1.408	22.262	700	316,2	10,6	10,5	80,5	114,9	2,60
IRZ 14-770	1.357	23.370	770	344,5	9,6	9,5	79,6	103,4	2,55
IRZ 17-700	1.735	36.425	700	420,0	8,5	8,4	73,3	104,7	2,81
IRZ 18-700	1.807	38.001	700	420,5	9,1	9,0	76,7	109,6	2,81
IRZ 19-700	1.880	39.578	700	421,0	9,6	9,5	80,2	114,6	2,81
IRZ 20-700	1.953	41.155	700	421,5	10,1	10,0	83,7	119,5	2,81
IRZ 24-700	2.437	55.949	700	459,2	11,3	11,2	95,8	136,9	2,93
IRZ 26-700	2.601	59.843	700	460,2	12,3	12,2	103,0	147,1	2,93
IRZ 27-700	2.676	61.641	700	460,7	12,8	12,7	106,4	152,0	2,93
IRZ 28-700	2.764	63.740	700	461,2	13,3	13,2	110,1	157,3	2,93
IRZ 36-700	3.596	89.753	700	499,2	15,1	11,2	118,7	169,6	3,11
IRZ 38-700	3.798	94.984	700	500,2	16,1	12,2	126,5	180,7	3,11
IRZ 40-700	3.999	100.219	700	501,2	17,1	13,2	134,3	191,8	3,11
IRZ 42-700	4.228	105.543	700	499,2	18,1	14,0	143,0	204,2	3,10
IRZ 44-700	4.436	110.942	700	500,2	19,1	15,0	150,7	215,3	3,10
IRZ 46-700	4.635	116.159	700	501,2	20,1	16,0	158,5	226,5	3,10
IRZ 48-700	4.788	120.467	700	503,2	22,1	15,0	159,3	227,6	3,10
IRZ 48-580	4.801	115.712	580	482,0	19,2	15,1	139,9	241,1	3,47
IRZ 50-700	4.973	125.358	700	504,2	23,1	16,0	166,7	238,2	3,10
IRZ 52-700	5.162	130.403	700	505,2	24,1	17,0	174,3	249,0	3,10

Z-Profile

Manufactured in accordance with: EN10248-1 tolerances in accordance with EN10248-2.

Steel qualities: S 270GP, S 355GP, S 4330GP in accordance with EN 10 248-1.

Standard availability: Lengths up to 24.000 mm, longer lengths on request.





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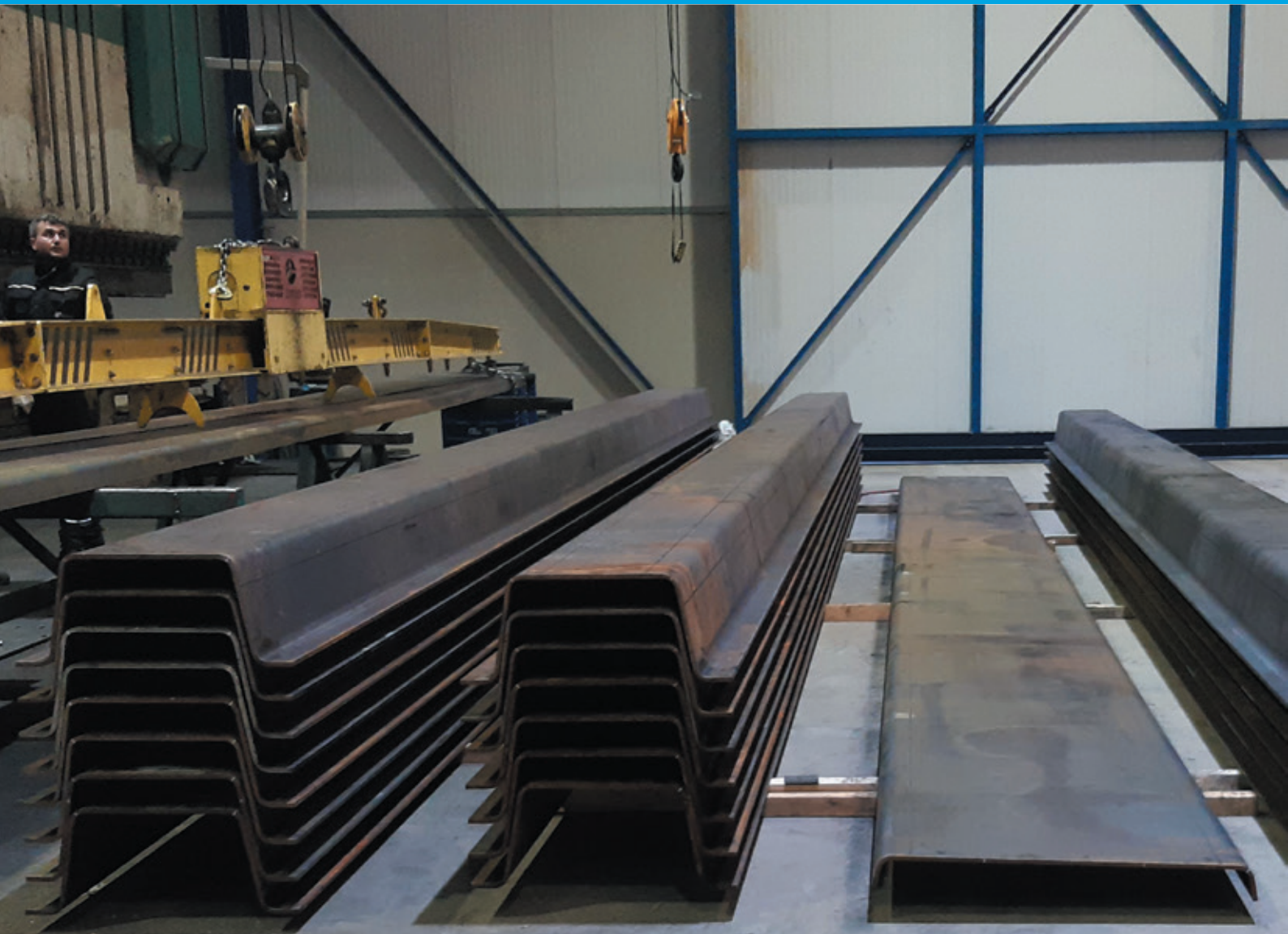
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ArcelorMittal

Z-Profile

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Section	Wy	ly	Width	Height	Thickness		Weight		Coating area
	cm ³ /m	cm ⁴ /m			mm	mm	t (mm)	s (mm)	
AZ 12-700	1.205	18.880	700	314	8,5	8,5	67,7	97,0	2,44
AZ 12-770	1.245	21.430	770	344	8,5	8,5	72,6	94,0	2,40
AZ 13-700	1.305	20.540	700	315	9,5	9,5	74,0	106,0	2,44
AZ 13-700 10/10	1.355	21.370	700	316	10,0	10,0	77,2	110,0	2,44
AZ 13-770	1.300	22.360	770	344	9,0	9,0	76,1	99,0	2,40
AZ 14-770	1.355	23.300	770	345	9,5	9,5	79,5	103,0	2,40
AZ 14-700	1.405	22.190	700	316	10,5	10,5	80,3	115,0	2,44
AZ 14-770 10/10	1.405	24.240	770	345	10,0	10,0	82,9	108,0	2,40
AZ 17-700	1.730	36.230	700	420	8,5	8,5	73,1	104,0	2,66
AZ 18	1.800	34.200	630	380	9,5	9,5	74,4	118,0	2,70
AZ 18-700	1.800	37.800	700	420	9,0	9,0	76,5	109,0	2,66
AZ 18-800	1.840	41.320	800	449	8,5	8,5	80,7	101,0	2,60
AZ 18 10/10	1.870	35.540	630	381	10,0	10,0	77,8	123,0	2,70
AZ 19-700	1.870	39.380	700	421	9,5	9,5	80,0	114,0	2,66
AZ 20-700	1.945	40.960	700	421	10,0	10,0	83,5	119,0	2,66
AZ 20-800	2.000	45.050	800	450	9,5	9,5	88,6	111,0	2,60
AZ 22-800	2.165	48.790	800	451	10,5	10,5	96,4	120,0	2,60
AZ 23-800	2.330	55.260	800	474	11,5	9,0	94,6	118,0	2,64
AZ 24-700	2.430	55.820	700	459	11,2	11,2	95,7	137,0	2,76
AZ 25-800	2.500	59.410	800	475	12,5	10,0	102,6	128,0	2,64
AZ 26	2.600	55.510	630	427	13,0	12,2	97,8	155,0	2,82
AZ 26-700	2.600	59.720	700	460	12,2	12,2	102,9	147,0	2,76
AZ 27-800	2.670	63.570	800	476	13,5	11,0	110,5	138,0	2,64
AZ 28-700	2.760	63.620	700	461	13,2	13,2	110,0	157,0	2,76
AZ 28-750	2.810	71.540	750	509	12,0	10,0	100,8	134,0	2,82
AZ 30-750	3.005	76.670	750	510	13,0	11,0	108,8	145,0	2,82
AZ 32-750	3.200	81.800	750	511	14,0	12,0	116,7	156,0	2,82
AZ 36-700N	3.590	89.610	700	499	15,0	11,2	118,6	169,0	2,94
AZ 38-700N	3.795	94.840	700	500	16,0	12,2	126,4	181,0	2,94
AZ 40-700N	3.995	100.080	700	501	17,0	13,2	134,2	192,0	2,94
AZ 42-700N	4.205	104.930	700	499	18,0	14,0	142,1	203,0	2,94
AZ 44-700N	4.405	110.150	700	500	19,0	15,0	149,9	214,0	2,94
AZ 46-700N	4.605	115.370	700	501	20,0	16,0	157,7	225,0	2,94
AZ 48-700	4.755	119.650	700	503	22,0	15,0	158,5	226,0	2,92
AZ 50-700	4.955	124.890	700	504	23,0	16,0	166,3	238,5	2,92
AZ 52-700	5.155	130.140	700	505	24,0	17,0	174,1	249,0	2,92



*New from our own production:
MXXL anchoring plank*

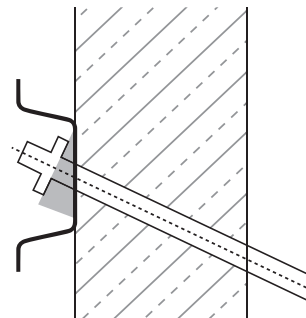
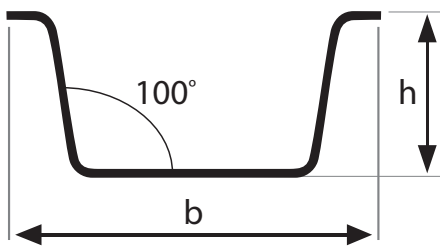
MXXL anchoring plank

MXXL anchoring plank new from our own production

Can be used for:

- Sheet piles
- Steel beams
- Drilled pile wall

Section	Wy cm ³	Iy cm ⁴	Width mm	Height mm	Thickness mm	Weight kg/m
MXXL-12	728	11.468	631	260	12	96
MXXL-18	1.161	17.579	641	263	18	144
MXXL-20	1.339	20.690	636	272	20	160



Cold formed Profiles

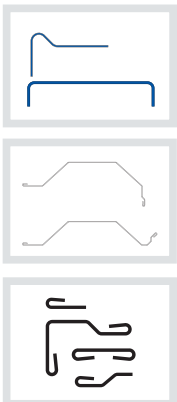
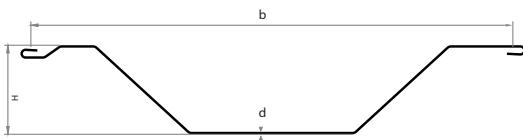
Cold rolled or cold formed sheet piling is produced to order for our customers. The dimensions, weight and technical specifications of this sheet piling exactly match the values laid down in the building specifications.

Advantages:

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

Available in thicknesses up to 10 mm and lengths up to 18.000 mm. Below shows you the comparison between hot rolled sheet piles and our IBO® cold formed sheet piles in different thicknesses.

Our Omega Profiles are developed by certified engineers whereby your requirements are the basis. We will develop the most advantageously Profile with the required Modulus of Section. Your requirements regarding steelgrade, thickness, width, height will be considered. On the next page you will find some possible Omega Profiles. On demand you will receive a special profile which is specially developed for your Project.



On request we can make the required cover profile.

Example sheet pile	Thickness	Profile	Technical details	Hot rolled sheet piles	Weight advantage relative to hot rolled profile
GU 6N Wy 625 cm ³ /m ly 9.670 cm ⁴ /m 69,9 m ²	5 mm	IBO® - 708-5	Wy 708 cm ³ /m ly 11.413 cm ⁴ /m 51,3 kg/m ²	GU 6N	- 27%
	6 mm	IBO® - 736-6	Wy 736 cm ³ /m ly 11.238 cm ⁴ /m 59,0 kg/m ²	GU 6N	- 16%
	7 mm	IBO® - 741-7	Wy 741 cm ³ /m ly 9.692 cm ⁴ /m 67,9 kg/m ²	GU 6N	- 3%
Larssen 601 Wy 745 cm ³ /m ly 11.520 cm ⁴ /m 78,0 kg/m ²	5 mm	IBO® - 781-5	Wy 781 cm ³ /m ly 14.118 cm ⁴ /m 54,1 kg/m ²	Larssen 601 GU 75	- 30% - 30%
	6 mm	IBO® - 788-6	Wy 788 cm ³ /m ly 13.009 cm ⁴ /m 62,6 kg/m ²	Larssen 601 GU 75	- 19% - 19%
	7 mm	IBO® - 797-7	Wy 797 cm ³ /m ly 11.192 cm ⁴ /m 70,7 kg/m ²	Larssen 601 GU 75	- 8% - 8%
GU 75 Wy 740 cm ³ /m ly 11.540 cm ⁴ /m 77,1 kg/m ²	5 mm	IBO® - 867-5	Wy 867 cm ³ /m ly 17.804 cm ⁴ /m 53,6 kg/m ²	Larssen 602 GU 85	- 40% - 37%
	6 mm	IBO® - 835-6	Wy 835 cm ³ /m ly 13.721 cm ⁴ /m 63,4 kg/m ²	Larssen 602 GU 85	- 29% - 25%
	7 mm	IBO® - 846-7	Wy 846 cm ³ /m ly 12.240 cm ⁴ /m 71,8 kg/m ²	Larssen 602 GU 85	- 19% - 15%
Larssen 602 Wy 830 cm ³ /m ly 12.870 cm ⁴ /m 89,0 kg/m ²	6 mm	IBO® - 1245-6	Wy 1.245 cm ³ /m ly 26.474 cm ⁴ /m 70,9 kg/m ²	Larssen 603 AZ 12-770	- 34% - 25%
	7 mm	IBO® - 1245-7	Wy 1.245 cm ³ /m ly 24.688 cm ⁴ /m 78,0 kg/m ²	Larssen 603 AZ 12-770	- 27,8% - 17,3%
	8 mm	IBO® - 1310-8	Wy 1.310 cm ³ /m ly 23.620 cm ⁴ /m 87,1 kg/m ²	Larssen 603 AZ 12-770	- 19% - 8%
Larssen 603 Wy 1.200 cm ³ /m ly 18.600 cm ⁴ /m 108,0 kg/m ²	8 mm	IBO® - 1616-8	Wy 1.616 cm ³ /m ly 34.434 cm ⁴ /m 94,8 kg/m ²	Larssen 604	- 23%
	9 mm	IBO® - 1757-9	Wy 1.757 cm ³ /m ly 37.667 cm ⁴ /m 106,5 kg/m ²	Larssen 604	- 13%
AZ 12-770 Wy 1.245 cm ³ /m ly 21.430 cm ⁴ /m 94,3 kg/m ²	8 mm	IBO® - 1805-8	Wy 1.805 cm ³ /m ly 40.772 cm ⁴ /m 100,2 kg/m ²	AZ 18-700	- 8,3%
	8 mm	VKZ® - 1850-8	Wy 1.850 cm ³ /m ly 44.850 cm ⁴ /m 95,6 kg/m ²	AZ 18-700	- 21,5%

InfraRentals									
Section	Wy	ly	Width	Height	Thickness	Weight	Coating area		
	cm ³ /m	cm ⁴ /m	mm	mm	t (mm)	kg/m ¹	kg/m ²	m ² /m	
IBO® 243-4	243	1.852	1.293	150	4,0	48,0	37,1	2,32	
IBO® 415-4	415	5.215	1.178	250	4,0	48,0	40,7	2,55	
IBO® 420-4	420	5.465	1.499	260	4,0	57,6	38,4	2,40	
IBO® 619-4	619	10.926	1.540	350	4,0	64,0	41,6	2,60	
IBO® 179-5	179	838	803	90	5,0	40,0	50,0	2,49	
IBO® 238-5	238	1.378	1.297	115	5,0	60,0	46,3	2,31	
IBO® 392-5	392	3.698	1.544	186	5,0	72,0	46,6	2,33	
IBO® 400-5	400	4.095	1.236	200	5,0	60,0	48,5	2,43	
IBO® 450-5	450	5.182	1.504	230	5,0	72,0	47,2	2,39	

InfraRentals

Section	Wy	ly	Width	Height	Thickness	Weight		Coating area
	cm ³ /m	cm ⁴ /m	mm	mm	t (mm)	kg/m ¹	kg/m ²	m ² /m
IBO® 497-5	497	5.581	1.479	222	5,0	72,0	48,7	2,43
IBO® 530-5	530	7.060	1.660	255	5,0	80,0	48,2	2,41
IBO® 577-5	577	8.708	1.462	300	5,0	72,0	49,2	2,46
IBO® 619-5	619	9.747	1.643	300	5,0	80,0	48,7	2,43
IBO® 708-5	708	11.413	1.558	315	5,0	80,0	51,3	2,57
IBO® 772-5	772	12.829	1.513	330	5,0	80,0	52,9	2,64
IBO® 782-5	782	12.702	1.301	325	5,0	72,0	55,3	2,77
IBO® 867-5	867	17.804	1.492	410	5,0	80,0	53,6	2,68
IBO® 949-5	949	21.511	1.430	450	5,0	80,0	55,9	2,80
IBO® 361-6	361	2.724	1.267	150	6,0	72,0	56,8	2,37
IBO® 415-6	415	3.438	1.240	165	6,0	72,0	58,1	2,42
IBO® 480-6	480	4.657	1.535	196	6,0	86,4	56,3	2,35
IBO® 537-6	537	6.142	1.719	226	6,0	96,0	55,8	2,33
IBO® 616-6	616	7.897	1.477	255	6,0	86,4	58,5	2,44
IBO® 621-6	621	7.796	1.157	250	6,0	72,0	62,2	2,59
IBO® 728-6	728	10.068	1.406	272	6,0	86,4	61,5	2,56
IBO® 744-6	744	11.138	1.629	300	6,0	96,0	58,9	2,46
IBO® 815-6	815	13.548	1.591	330	6,0	96,0	60,3	2,51
IBO® 895-6	895	14.586	1.529	325	6,0	96,0	62,8	2,62
IBO® 973-6	973	17.715	1.494	360	6,0	96,0	64,3	2,68
IBO® 1149-6	1149	25.564	1.380	425	6,0	96,0	69,6	2,90
IBO® 1245-6	1245	26.474	1.354	425	6,0	96,0	70,9	2,95
IBO® 1552-6	1552	38.867	1.205	500	6,0	96,0	79,7	3,32
IBO® 1245-7	1245	24.688	1.436	395	7,0	112,0	78,0	2,79
IBO® 1267-7	1267	26.224	1.426	408	7,0	112,0	78,6	2,81
IBO® 1292-7	1292	25.404	1.200	390	7,0	100,8	84,0	3,00
IBO® 1319-7	1319	26.413	1.400	400	7,0	112,0	80,0	2,86
IBO® 1349-7	1349	32.009	1.308	436	7,0	112,0	85,7	3,06
IBO® 1350-7	1350	27.360	1.385	405	7,0	112,0	80,9	2,89
IBO® 1438-7	1438	30.932	1.351	430	7,0	112,0	82,9	2,96
IBO® 1535-7	1535	34.645	1.305	450	7,0	112,0	85,8	3,07
IBO® 1770-7	1775	46.721	1.214	525	7,0	112,0	92,3	3,29
IBO® 1207-8	1207	19.666	1.471	320	8,0	128,0	87,0	2,72
IBO® 1208-8	1208	19.696	1.271	320	8,0	115,2	90,6	2,83
IBO® 1214-8	1214	21.248	1.515	350	8,0	128,0	84,5	2,64
IBO® 1217-8	1217	19.814	1.489	325	8,0	128,0	86,0	2,69
IBO® 1245-8	1245	19.167	712	305	8,0	80,0	112,4	3,51
IBO® 1310-8	1310	23.620	1.470	360	8,0	128,0	87,1	2,72
IBO® 1451-8	1451	28.495	1.410	391	8,0	128,0	90,8	2,84
IBO® 1455-8	1455	27.662	1.202	380	8,0	115,2	95,8	3,00
IBO® 1743-8	1743	40.134	1.309	460	8,0	128,0	97,8	3,06
IBO® 1805-8	1805	40.772	1.278	450	8,0	128,0	100,2	3,13
IBO® 2023-8	2023	50.619	1.206	500	8,0	128,0	106,1	3,32
IBO® 1060-8,5	1060	16.066	1.584	300	8,5	136,0	85,9	2,53
IBO® 1255-8,5	1255	21.525	1.514	342	8,5	136,0	89,8	2,64
IBO® 1759-8,5	1759	39.015	1.334	440	8,5	136,0	102,0	3,00
IBO® 1866-8,5	1866	42.034	1.294	450	8,5	136,0	105,4	3,09
IBO® 1225-9	1225	19.303	1.338	315	9,0	129,6	96,9	2,69
IBO® 1265-9	1265	21.870	1.540	345	9,0	144,0	93,5	2,60
IBO® 1307-9	1307	23.582	1.528	360	9,0	144,0	94,2	2,62
IBO® 1757-9	1757	37.667	1.352	420	9,0	144,0	106,5	2,96
IBO® 1814-9	1814	38.577	1.346	425	9,0	144,0	107,0	2,97
IBO® 1295-10	1295	19.777	1.537	300	10,0	160,0	104,1	2,60
IBO® 2032-10	2032	44.717	1.340	440	10,0	160,0	119,4	2,99
IBO® 2158-10	2158	50.269	1.298	465	10,0	160,0	123,3	3,08
IBO® 2825-10	2825	79.494	1.113	560	10,0	160,0	143,8	3,59
IBO® 2448-10	2448	70.625	1.008	577	10,0	160,0	158,7	3,97

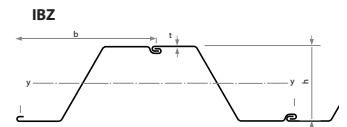
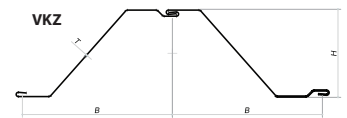


Section	Wy	ly	Width	Height	Thickness	Weight	Coating area	
		cm ³ /m	cm ⁴ /m	mm	mm	kg/m ¹	kg/m ²	m ² /m
VKZ 471-5	471	5.421	809	230	5,0	40,0	49,4	2,22
VKZ 617-5	617	8.338	766	270	5,0	40,0	52,2	2,35
VKZ 644-5	644	9.785	766	304	5,0	40,0	52,2	2,35
VKZ 784-5	784	13.136	722	355	5,0	40,0	55,4	2,49
VKZ 965-5	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 3082-10	3.082	88.594	715	575	10,0	100,0	139,8	3,22

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.

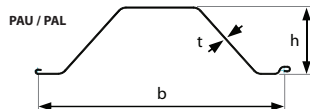
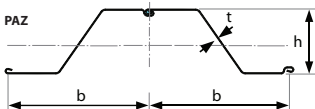
Standard availability:
 Lengths up to 24.000 mm, longer lengths on request.



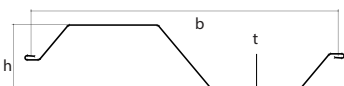
Alternatives for AZ-Profiles:

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 7-725	730	10.727	725	300	6,0	45,0	60,4
IBZ 7-850	714	12.034	850	340	6,0	51,3	60,6
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
IBZ 50-580	5.020	121.070	580	580	16,0	146,8	253,0

Section	Wy	ly	Width	Height	Thickness	Weight		Coating area
	cm ³ /m	cm ⁴ /m	mm	mm	mm	kg/m ¹	kg/m ²	m ² /m
PAZ 4350	448	4.770	770	213	5,0	38,2	49,6	2,30
PAZ 4360	534	5.720	770	214	6,0	45,8	59,4	2,30
PAZ 4370	619	6.660	770	215	7,0	53,3	69,2	2,30
PAZ 4450	612	8.240	725	269	5,0	37,7	52,0	2,36
PAZ 4460	730	9.890	725	270	6,0	45,1	62,2	2,36
PAZ 4470	846	11.535	725	271	7,0	52,4	72,3	2,36
PAZ 4550	772	12.065	676	312	5,0	37,7	55,8	2,62
PAZ 4560	922	14.444	676	313	6,0	45,1	66,7	2,62
PAZ 4570	1.069	16.815	676	314	7,0	52,4	77,5	2,62
PAZ 4650	940	16.318	621	347	5,0	37,7	60,7	2,86
PAZ 4660	1.122	19.544	621	348	6,0	45,1	72,6	2,86
PAZ 4670	1.302	22.756	621	349	7,0	52,4	84,4	2,86
PAZ 5360	766	11.502	857	300	6,0	54,3	63,3	2,54
PAZ 5370	888	13.376	857	301	7,0	63,2	73,7	2,54
PAZ 5380	1.009	15.249	857	302	8,0	72,1	84,0	2,54
PAZ 5390	1.131	17.123	857	303	9,0	81,0	94,4	2,54
PAZ 5460	968	16.989	807	351	6,0	53,9	66,8	2,54
PAZ 5470	1.123	19.774	807	352	7,0	62,6	77,6	2,54
PAZ 5480	1.277	22.546	807	353	8,0	71,4	88,4	2,54
PAZ 5490	1.431	25.318	807	354	9,0	80,2	99,3	2,54
PAZ 54100	1.570	27.850	808	355	10,0	89,2	110,3	2,54
PAZ 5560	1.233	25.074	743	407	6,0	53,9	72,5	2,76
PAZ 5570	1.432	29.179	743	408	7,0	62,6	84,3	2,76
PAZ 5580	1.628	33.263	744	409	8,0	71,4	96,0	2,76
PAZ 5590	1.825	37.387	744	410	9,0	80,2	107,8	2,76
PAZ 55100	2.000	41.060	745	411	10,0	89,2	119,8	2,76
PAZ 5660	1.525	34.340	671	451	6,0	53,9	80,3	2,76
PAZ 5670	1.770	39.954	671	452	7,0	62,6	93,3	3,06
PAZ 5680	2.013	45.537	672	453	8,0	71,4	106,3	3,06
PAZ 5690	2.259	51.180	672	454	9,0	80,2	119,3	3,06
PAZ 56100	2.470	56.200	673	455	10,0	89,2	132,2	3,06
PAL 3030	112	500	660	89	3,0	19,4	29,4	2,42
PAL 3040	147	666	660	90	4,0	25,8	39,2	2,42
PAL 3050	181	831	660	91	5,0	32,2	48,8	2,42
PAL 3130	199	1.244	711	125	3,0	23,5	33,1	2,72
PAL 3140	261	1.655	711	126	4,0	31,3	44,0	2,72
PAL 3150	322	2.063	711	127	5,0	39,0	54,9	2,72
PAL 3260	413	3.096	700	149	6,0	46,2	66,0	2,62
PAL 3270	479	3.604	700	150	7,0	53,2	76,0	2,62
PAL 3280	545	4.109	700	151	8,0	61,6	88,0	2,62
PAL 3290	605	4.611	700	152	9,0	70,0	100,0	2,62
PAU 2240	404	5.101	922	252	4,0	39,0	42,3	2,64
PAU 2250	504	6.363	921	253	5,0	48,7	52,8	2,64
PAU 2260	600	7.620	921	254	6,0	58,3	63,3	2,64
PAU 2440	537	7.897	813	293	4,0	39,0	48,0	3,00
PAU 2450	669	9.858	813	294	5,0	48,7	59,9	3,00
PAU 2460	801	11.813	813	295	6,0	58,3	71,8	3,00
PAU 2760	803	12.059	804	295	6,0	60,4	75,1	2,88
PAU 2770	934	14.030	804	296	7,0	70,4	87,5	2,88
PAU 2780	1.063	15.995	804	297	8,0	80,3	99,8	2,88



Section	Wy	ly	Width	Height	Thickness	Weight		Coating area
	cm ³ /m	cm ⁴ /m	mm	mm	mm	kg/m ¹	kg/m ²	m ² /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



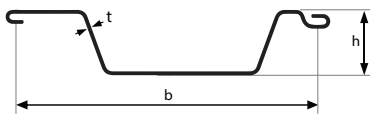
Cold formed Profiles

Omega-Hut-Profiles / Cold formed sheet piles from own production

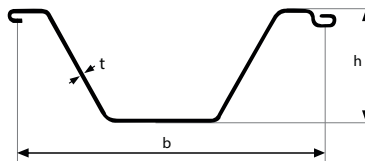
Type	Wy cm ² /m	Iy cm ⁴ /m	Width mm	Height mm	Thickness mm	Weight kg/m	Weight kg/m ²
MKL 3-4	307	2.209	700	150	4	32,4	46,3
MKL 3-5	381	2.753	700	152	5	40,4	57,7
MKL 3-6	451	3.369	700	154	6	48,5	69,3
MKL 3-7,2	541	4.004	700	156	7	56,3	80,4
MKL 3-8	594	4.460	700	158	8	64,2	91,7
MKL 3-9	664	5.120	700	160	9	72	102,9

Type	Wy cm ² /m	Iy cm ⁴ /m	Width mm	Height mm	Thickness mm	Weight kg/m	Weight kg/m ²
MKL 4-5	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 3



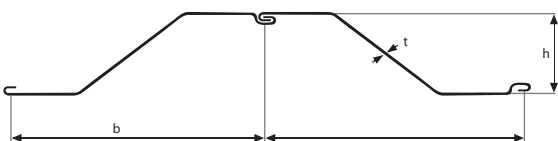
MKL 4



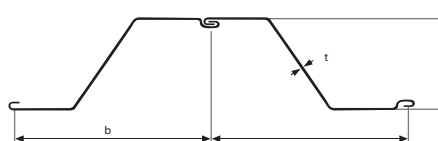
Type	Wy cm ² /m	Iy cm ⁴ /m	Width mm	Height mm	Thickness mm	Weight kg/m	Weight kg/m ²	Coating area m ² /m
MKZ 785-5	605	8.395	785	276	5	41,9	53,4	2,52
MKZ 785-6	724	10.053	785	277	6	50,4	64,2	2,52
MKZ 785-7	836	11.657	785	278	7	58,4	74,4	2,52
MKZ 785-8	951	13.302	785	279	8	66,6	84,8	2,52
MKZ 785-9	1.067	14.944	785	280	9	74,8	95,3	2,52

Type	Wy cm ² /m	Iy cm ⁴ /m	Width mm	Height mm	Thickness mm	Weight kg/m	Weight kg/m ²	Coating area m ² /m
MKZ 675-5	972	18.500	675	376	5	41,9	62,1	2,89
MKZ 675-6	1164	22.131	675	377	6	50,4	74,7	2,89
MKZ 675-7	1350	25.698	675	378	7	58,4	86,5	2,89
MKZ 675-8	1540	29.332	675	379	8	66,6	98,7	2,89
MKZ 675-9	1728	32.914	675	380	9	74,8	110,8	2,89

MKZ 785



MKZ 675

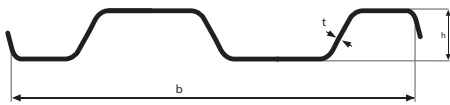


Cold formed Profiles

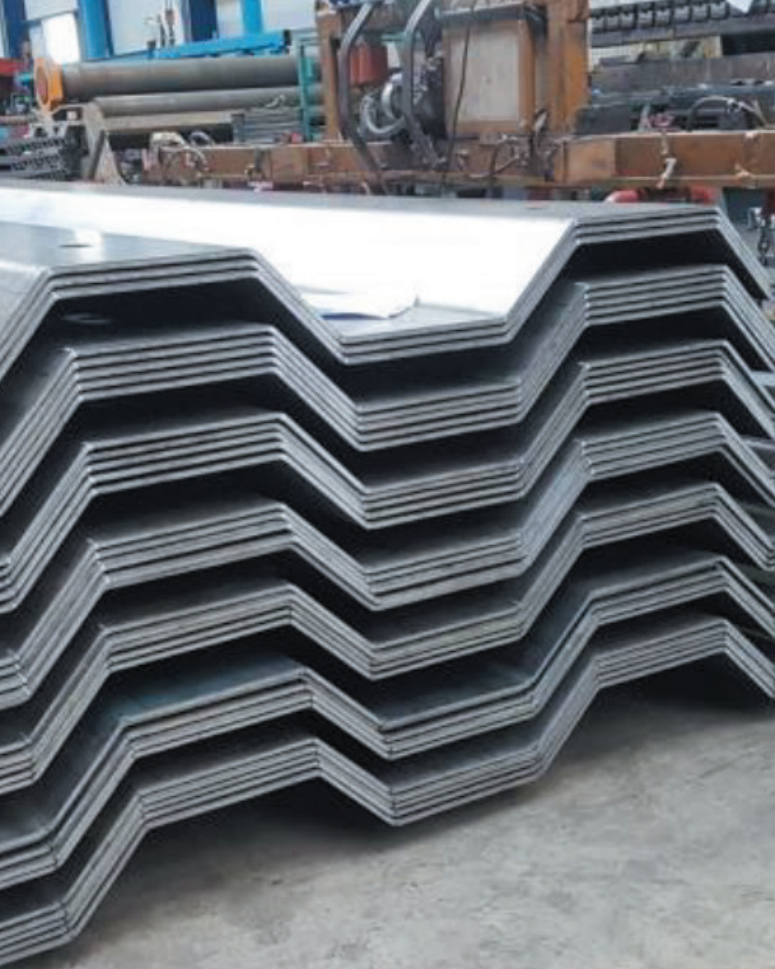
Trench Sheeting

Type	Wy cm ³ /m	Iy cm ⁴ /m	Breite mm	Höhe mm	Dicke mm	Gewicht kg/m	Gewicht kg/m ²
MKD VI/6	182	726	600	78	6	37,5	62,5
MKD VI/8	242	968	600	80	8	50	83,3

MKD



Cold formed Profiles



Soldier pile wall with only one intermediate panel

Sharing flexibility



Cold formed Profiles

New: cold formed MKD intermediate panel for the modern, economical soldier pile wall

Advantages:

- Approx. 60% weight saving compared to a smooth steel panel
- Great ramming progress due to only one large intermediate pile per girder panel
- High dimensional stability due to consolidation in 8 bending points
- Low deflection
- Same wall thickness of 10mm over the entire cross-section
- Easy insertion due to guidance on the beams
- High frequency of use as a holding screed due to low wear and tear

Environmentally friendly:

CO₂ balance is significantly better with cold formed profiles

Type	Resistive moment elastic	Inertia-moment	Profile width	Profile height	Profile thickness	Weight single plank	Weight wall
	cm ³ /m	cm ⁴ /m	mm	mm	mm	kg/m ¹	kg/m ²
MKD 1500	381,7	2.107,5	1.350	110	10	120	88,9
MKD 1800	489,7	3.492,3	1.600	140	10	144	90,0
MKD 2000	540,0	4.081,1	1.784	150	10	160	89,7

