



MEEVER & MEEVER

 2024



PILING PRODUCTS

+31183-358383 • INFO@MEEVER.NL • WWW.MEEVER.NL



25

**RELY
ON US**



MEEVER & MEEVER

- **Sheet Piles**
- **Steel Tubes**
- **Steel Beams**
- **Anchoring**
- **Combined Walls**
- **Materials**
- **Rental of Piling**
- **Equipment**
- **Bracing Systems**
- **Project Engineering**
- **Projectdesign**
- **Interlock Sealing**
- **Driving Caps**

**Since 1978 your
partner in steel
piling products.**



About Meever & Meever



Meever & Meever specializes in producing, rental and supplying steel sheet piling, welded & seamless steel tubes, rental of piling equipment and production of anchoring systems. We consider teamwork with our customers as a key element of our success.

Meever & Meever is a large international company that supplies high-quality steel products to construction companies, governments, and contractors worldwide and provides them with the most modern (innovative) construction machinery and construction concepts for steel foundation methods and state-of-the-art engineering and product advice.

We are internationally recognized by our clients as a top player in this specialized market segment. The integration of sustainable developments, smart steel solutions and construction concepts is essential to meet and exceed the expectations of our clients and to improve the quality of our living environment. We see sustainability and recycling of steel products and the reduction of CO2 emissions as our main aspects to which we want to commit ourselves.

As a family business with more than 50 years of experience, we are passionate about our work and steel products, rentals of construction machinery and foundations concepts. We enjoy working with our colleagues and partners across the world in finding the most cost-efficient and added value to our clients.

Our Core Values and Business Integrity Principles

We are a family business with strong core values. With more than 50 years of history, continuity is our main motivation. As a family business, we focus on creating long-term value and lasting relationships with our clients, employees, and partners.

We act in accordance with our Five core values, which underpin the way we do business and aim to be:

1. Integrity in all actions
2. Trust
3. Accountability for results
4. Excellence
5. Pioneering

For a complete explanation of our Five Core Values, please take a look on our website.



Meever & Meever is ISO 9001 and MPA NRW certified.





Subject		Page Number
About Meever & Meever		3
Table of Contents		4
Hot Rolled Sheet Piles	U-Profiles	5
	Z-Profiles	7
Cold Formed Sheet Piles	Custom Made IBO® Sheet Piles	9
	Z-Profiles	11
	Z-, Omega- and MKU-Profiles	12
	Rolled Profiles From Our Own Production	13
	Z-Profiles	13
	Trench Sheets	14
Combined Walls		15
Corner Sections		16
Steel Tubes		17
Bollards		19
Steel Beams		21
Anchoring		22
Meever Expanding Seal		27
Meever Bracing Series		29
Services		30
Vibratory Hammers & Power Packs		31
Services Silent Pilers		32
ABI Piling Rigs		33
Hydro-Press-Systems		34
Terms of Delivery & Available Types	Hot Rolled Sheet Piles	35
	Cold Formed Sheet Piles	36

May 2024

This brochure contains product specifications. Check our website for all dimensions. Typesetting and printing errors subject to change.





Hot Rolled U-Profiles



**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 9.**



Sheet Pile Caps in any
desired shape from our
own production.

Meever only sells ArcelorMittal sheet piles that she has bought as remnants from other projects.

ArcelorMittal	Profile	Wy	ly	Width	Height	Thickness		Weight		Coating Area	Wpl
		cm ³ /m	cm ⁴ /m	mm	mm	t (mm)	s (mm)	kg/m ¹	kg/m ²	m ² /m ²	cm ³ /m
AU 14	1.410	28.710	750	408	10,0	8,3	77,9	103,8	2,54	1.663	
AU 16	1.600	32.850	750	411	11,5	9,3	86,3	115,0	2,54	1.891	
AU 17	1.665	34.270	750	412	12,0	9,7	89,0	118,7	2,54	1.968	
AU 18	1.780	39.300	750	441	10,5	9,1	88,5	118,0	2,66	2.082	
AU 20	2.000	44.440	750	444	12,0	10,0	96,9	129,2	2,66	2.339	
AU 21	2.075	46.180	750	445	12,5	10,3	99,7	132,9	2,66	2.423	
AU 23	2.270	50.700	750	447	13,0	9,5	102,1	136,1	2,72	2.600	
AU 25	2.500	56.240	750	450	14,5	10,2	110,4	147,2	2,72	2.866	
AU 26	2.580	58.140	750	451	15,0	10,5	113,2	150,9	2,72	2.955	
PU 12	1.200	21.600	600	360	9,8	9,0	66,1	110,1	2,64	1.457	
PU 12 10/10	1.255	22.580	600	360	10,0	10,0	69,6	116,0	2,64	1.535	
PU 18-1	1.670	35.950	600	430	10,2	8,4	72,6	121,0	2,86	1.988	
PU 18	1.800	38.650	600	430	11,2	9,0	76,9	128,2	2,86	2.134	
PU 22	2.200	49.460	600	450	12,1	9,5	86,1	143,6	2,98	2.580	
PU 28-1	2.680	60.580	600	452	14,2	9,7	97,4	162,3	3,08	3.087	
PU 28	2.840	64.460	600	454	15,2	10,1	101,8	169,6	3,08	3.269	
PU 32	3.200	72.320	600	452	19,5	11,0	114,1	190,2	3,04	3.687	
GU 6N	625	9.670	600	309	6,0	6,0	41,9	69,9	2,52	765	
GU 7N	675	10.450	600	310	6,5	6,4	44,1	73,5	2,52	825	
GU 7S	740	11.540	600	311	7,2	6,9	46,3	77,1	2,52	900	
GU 8N	770	12.010	600	312	7,5	7,1	48,5	80,9	2,52	935	
GU 8S	820	12.800	600	313	8,0	7,5	50,8	84,6	2,52	995	
GU 10N	990	15.700	600	316	9,0	6,8	55,8	93,0	2,58	1.160	
GU 11N	1.095	17.450	600	318	10,0	7,4	60,2	100,4	2,58	1.280	
GU 12N	1.200	19.220	600	320	11,0	8,0	64,6	107,7	2,58	1.400	
GU 13N	1.270	26.590	600	418	9,0	7,4	59,9	99,8	2,82	1.535	
GU 14N	1.400	29.410	600	420	10,0	8,0	64,3	107,1	2,82	1.685	
GU 15N	1.530	32.260	600	422	11,0	8,6	68,7	114,5	2,82	1.840	
GU 16N	1.670	35.950	600	430	10,2	8,4	72,6	121,0	2,86	1.988	
GU 18N	1.800	38.650	600	430	11,2	9,0	76,9	128,2	2,86	2.134	
GU 20N	1.920	41.320	600	430	12,2	9,5	81,1	135,2	2,86	2.280	
GU 21N	2.060	46.380	600	450	11,1	9,0	81,9	136,5	2,98	2.422	
GU 22N	2.200	49.460	600	450	12,1	9,5	86,1	143,6	2,98	2.580	
GU 23N	2.335	52.510	600	450	13,1	10,0	90,4	150,7	2,98	2.735	
GU 27N	2.680	60.580	600	452	14,2	9,7	97,4	162,3	3,08	3.087	
GU 28N	2.840	64.460	600	454	15,2	10,1	101,8	169,6	3,08	3.269	
GU 30N	3.000	68.380	600	456	16,2	10,5	106,2	177,1	3,08	3.450	
GU 31N	3.065	69.210	600	452	18,5	10,6	109,9	183,2	3,04	3.525	
GU 32N	3.200	72.320	600	452	19,5	11,0	114,1	190,2	3,04	3.687	
GU 33N	3.340	75.410	600	452	20,5	11,4	118,4	197,3	3,04	3.845	
GU 16-400	1.560	22.580	400	290	12,7	9,4	62,0	154,9	3,20	1.815	
GU 18-400	1.785	26.090	400	292	15,0	9,7	69,3	173,3	3,20	2.080	

Manufactured according to:

Technical delivery conditions according to EN 10248-1

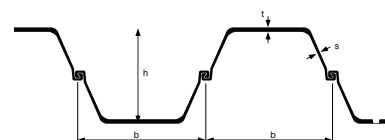
Tolerances according to EN 10248-2

Steel grade:

S270GP, S355GP, S 390GP, S 430GP, S460GP and S500GP with 3.1 certificate according to EN 10204.

Available as standard:

Length up to 24,000 mm, longer dimensions on request.



Vitkovice

Profile	Wy	ly	Width	Height	Thickness		Weight		Coating Area			Wpl
	cm ³ /m	cm ⁴ /m			t (mm)	s (mm)	kg/m ¹	kg/m ²	E	D	m ² /m ²	
VL601	744	11.530	600	310	7,5	6,4	46,3	77,2	1,6	3,8	2,47	895
VL601FP	745	11.547	600	310	7,2	7	47,4	79	1,6	3,8	2,47	906
VL601K	775	12.019	600	310	7,8	6,8	48,5	80,8	1,6	3,8	2,47	936
VL602A	806	12.499	600	310	8	7,3	51,3	85,5	1,6	3,8	2,47	979
VL602	842	13.046	600	310	8,4	7,6	53,4	89	1,6	3,8	2,47	1.022
VL602K	877	13.590	600	310	8,8	7,9	55,4	92,3	1,6	3,8	2,47	1.065
VL603A	1.138	18.205	600	320	9	8	61,5	102,5	1,72	3,31	2,65	1.316
VL603	1.200	19.199	600	320	9,6	8,2	64,2	107	1,73	3,31	2,65	1.386
VL603N	1.273	24.269	600	381,2	9,8	7,9	63,4	105,7	1,73	3,32	2,65	1.519
VL603KN	1.230	19.682	600	320	9,8	8,6	66,9	111,5	1,73	3,32	2,65	1.427
VL603K	1.241	19.853	600	320	9,8	9	67,8	113	1,73	3,32	2,65	1.443
VL603Z	1.300	20.930	600	322	10	10	72,1	120,2	1,73	3,32	2,65	1.525
VL604A	1.564	30.495	600	390	9,6	8,8	71	118,3	1,85	3,58	2,88	1.823
VL604AN	1.409	27.478	600	390	8,7	7,7	64,3	107,1	1,85	3,58	2,88	1.637
VL604	1.618	31.548	600	390	10	9	73,1	121,8	1,85	3,56	2,85	1.885
VL604K	1.672	32.600	600	390	10,4	9,2	75,2	125,3	1,85	3,56	2,85	1.947
VL605A	1.821	38.243	600	420	10,7	9	76,5	127,5	1,89	3,64	2,91	2.125
VL605N	2.019	42.664	600	422,6	12	9,5	82,1	136,9	1,88	3,62	2,9	2.348
VL605KN	2.117	44.886	600	424	12,6	10	85,6	142,7	1,88	3,62	2,9	2.466
VL606A	2.205	47.402	600	430	13,4	9	85,4	142,3	1,9	3,65	2,93	2.541
VL606AN	2.355	50.878	600	432	14,4	9,4	89,8	149,6	1,89	3,65	2,92	2.714
VL606N	2.506	54.389	600	434	15,4	9,8	94,1	156,8	1,89	3,65	2,92	2.887
VL628-1,5	2.607	58.938	600	452,1	14,8	9,5	95,2	158,6	1,88	3,66	2,94	3.006
VL628AN	2.701	61.219	600	453,3	15,4	9,8	97,9	163,1	1,88	3,66	2,94	3.114
VL628A	2.809	63.856	600	454,7	16,1	10	100,8	168	1,88	3,66	2,94	3.238
VL628	2.841	64.640	600	455,1	16,3	10,1	101,8	169,6	1,88	3,66	2,94	3.276
VL628K	2.903	66.165	600	455,9	16,7	10,3	103,5	172,5	1,88	3,66	2,94	3.347
VL607A	3.006	68.232	600	453,9	17,7	10	106,2	177,1	1,95	3,75	2,98	3.460
VL607	3.211	73.300	600	456,5	19	10,6	112,4	187,3	1,95	3,75	2,98	3.701
VL607K	3.365	77.153	600	458,5	20	11	116,8	194,7	1,95	3,75	2,98	3.882



Hoesch

Profile	Wy	ly	Width	Height	Thickness		Weight		Coating Area			Wpl
	cm ³ /m	cm ⁴ /m			t (mm)	s (mm)	kg/m ¹	kg/m ²	E	D	m ² /m ²	
Larssen 703	1.210	24.200	700	400	9,5	8,0	67,5	96,4	2,51			730
Larssen 703 K	1.300	25.950	700	400	10,0	9,0	72,1	103,0	2,51			787,5
Larssen 703 10/10	1.340	26.800	700	400	10,0	10,0	75,6	108,0	2,51			786
Larssen 716	1.600	35.200	700	440	10,2	9,5	79,9	114,2	2,68			919
Larssen 720	2.000	45.000	750	450	12,0	10,0	96,4	128,5	2,66			1.292
Larssen 600	510	3.825	600	150	9,5	9,5	56,4	94,0	2,25			290
Larssen 600 K	540	4.050	600	150	10,0	10,0	59,4	99,0	2,25			309
Larssen 601	745	11.520	600	310	7,5	6,4	46,8	78,0	2,45			418
Larssen 602	830	12.870	600	310	8,2	8,0	53,4	89,0	2,45			482
Larssen 603	1.200	18.600	600	310	9,7	8,2	64,8	108,0	2,60			650
Larssen 603 K	1.240	19.220	600	310	10,0	9,0	68,1	113,5	2,60			680
Larssen 603 10/10	1.260	19.530	600	310	10,0	10,0	69,6	116,0	2,60			700
Larssen 604 n	1.600	30.400	600	380	10,0	9,0	73,8	123,0	2,82			931
Larssen 605	2.020	42.420	600	420	12,5	9,0	83,5	139,2	2,90			1.170
Larssen 605 K	2.030	42.630	600	420	12,2	10,0	86,7	144,5	2,90			1.193
Larssen 606 n	2.500	54.375	600	435	14,4	9,2	94,2	157,0	2,92			1.410
Larssen 606 n K	2.530	55.030	600	435	14,4	10,0	97,3	162,1	2,92			1.444
Larssen 628	2.775	63.270	600	456	16,3	9,8	99,3	165,5	3,03			1.596
Larssen 607 n	3.200	72.320	600	452	19,0	10,6	114,0	190,0	2,93			1.810
Larssen 22	1.260	21.420	500	340	10,0	9,0	61,8	123,6	2,84			1.516
Larssen 22 10/10	1.300	22.100	500	340	10,0	10,0	64,9	129,8	2,84			1.574
Larssen 23	2.000	42.000	500	420	11,5	10,0	77,5	155,0	3,15			2.300
Larssen 24	2.500	52.500	500	420	15,6	10,0	87,5	175,0	3,15			2.800
Larssen 24/12	2.550	53.610	500	420	15,6	12,0	92,7	185,4	3,15			2.948
Larssen 25	3.040	63.840	500	420	20,0	11,5	103,0	206,0	3,11			3.480
Larssen 43	1.660	34.900	500	420	12,0	12,0	83,0	166,0	2,80			2.200
Larssen 430	6.450	241.800	708	750	12,0	12,0	166,0	234,5	3,96			7.500



Hot Rolled Z-Profiles

**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 9.**



Sheet Pile Caps in any
desired shape from our
own production.

Meever only sells ArcelorMittal sheet piles that she has bought as remnants from other projects.



ArcelorMittal

Profile	Wy	ly	Width mm	Height mm	Thickness		Weight		Coating Area m ² /m ²	Wpl cm ³ /m
	cm ³ /m	cm ⁴ /m			t (mm)	s (mm)	kg/m ¹	kg/m ²		
AZ 12-700	1.205	18.880	700	314	8,5	8,5	67,7	96,7	2,44	1.415
AZ 12-770	1.245	21.430	770	344	8,5	8,5	72,6	94,3	2,40	1.480
AZ 13-700	1.305	20.540	700	315	9,5	9,5	74,0	105,7	2,44	1.540
AZ 13-700 10/10	1.355	21.370	700	316	10,0	10,0	77,2	110,2	2,44	1.600
AZ 13-770	1.300	22.360	770	344	9,0	9,0	76,1	98,8	2,40	1.546
AZ 14-770	1.355	23.300	770	345	9,5	9,5	79,5	103,2	2,40	1.611
AZ 14-700	1.405	22.190	700	316	10,5	10,5	80,3	114,7	2,44	1.665
AZ 14-770 10/10	1.405	24.240	770	345	10,0	10,0	82,9	107,7	2,40	1.677
AZ 17-700	1.730	36.230	700	420	8,5	8,5	73,1	104,4	2,66	2.027
AZ 18	1.800	34.200	630	380	9,5	9,5	74,4	118,1	2,70	2.104
AZ 18-700	1.800	37.800	700	420	9,0	9,0	76,5	109,3	2,66	2.116
AZ 18-800	1.840	41.320	800	449	8,5	8,5	80,7	100,9	2,60	2.135
AZ 18 10/10	1.870	35.540	630	381	10,0	10,0	77,8	123,4	2,70	2.189
AZ 19-700	1.870	39.380	700	421	9,5	9,5	80,0	114,3	2,66	2.206
AZ 20-700	1.945	40.960	700	421	10,0	10,0	83,5	119,3	2,66	2.296
AZ 20-800	2.000	45.050	800	450	9,5	9,5	88,6	110,7	2,60	2.330
AZ 22-800	2.165	48.790	800	451	10,5	10,5	96,4	120,5	2,60	2.525
AZ 23-800	2.330	55.260	800	474	11,5	9,0	94,6	118,2	2,64	2.680
AZ 24-700	2.430	55.820	700	459	11,2	11,2	95,7	136,7	2,76	2.867
AZ 25-800	2.500	59.410	800	475	12,5	10,0	102,6	128,2	2,64	2.890
AZ 26-700	2.600	59.720	700	460	12,2	12,2	102,9	146,9	2,76	3.070
AZ 27-800	2.670	63.570	800	476	13,5	11,0	110,5	138,1	2,64	3.100
AZ 28-700	2.760	63.620	700	461	13,2	13,2	110,0	157,2	2,76	3.273
AZ 28-750	2.810	71.540	750	509	12,0	10,0	100,8	134,4	2,82	3.245
AZ 30-750	3.005	76.670	750	510	13,0	11,0	108,8	145,0	2,82	3.485
AZ 32-750	3.200	81.800	750	511	14,0	12,0	116,7	155,6	2,82	3.720
AZ 36-700N	3.590	89.610	700	499	15,0	11,2	118,6	169,5	2,94	4.110
AZ 38-700N	3.795	94.840	700	500	16,0	12,2	126,4	180,6	2,94	4.360
AZ 40-700N	3.995	100.080	700	501	17,0	13,2	134,2	191,7	2,94	4.605
AZ 42-700N	4.205	104.930	700	499	18,0	14,0	142,1	203,1	2,94	4.855
AZ 44-700N	4.405	110.150	700	500	19,0	15,0	149,9	214,2	2,94	5.105
AZ 46-700N	4.605	115.370	700	501	20,0	16,0	157,7	225,3	2,94	5.350
AZ 48-700	4.755	119.650	700	503	22,0	15,0	158,5	226,4	2,92	5.490
AZ 50-700	4.955	124.890	700	504	23,0	16,0	166,3	237,5	2,92	5.735
AZ 52-700	5.155	130.140	700	505	24,0	17,0	174,1	248,7	2,92	5.985



ESI	Profile	Wy	ly	Width	Height	Thickness		Weight		Coating Area	Wpl
		cm ³ /m	cm ⁴ /m			mm	mm	t (mm)	s (mm)		
	ESZ 17	1.675	31.300	630	374	8,5	8,5	69,8	110,8	2,67	1955
	ESZ 17-700	1.735	36.360	700	420	8,5	8,5	74,0	105,7	2,63	2041
	ESZ 18	1.805	33.860	630	375	9,5	9,5	76,0	120,7	2,67	2118
	ESZ 18-700	1.805	37.890	700	420	9,0	9,0	77,4	110,6	2,63	2129
	ESZ 19	1.935	36.410	630	376	10,5	10,5	82,2	130,5	2,67	2280
	ESZ 19-700	1.875	39.420	700	421	9,5	9,5	80,8	115,4	2,63	2217
	ESZ 20	2.005	37.730	630	377	11,0	11,0	85,4	135,6	2,67	2364
	ESZ 20-700	1.945	40.940	700	421	10,0	10,0	84,2	120,3	2,63	2305
	ESZ 20-700 10,5/10,5	2.015	42.470	700	422	10,5	10,5	87,6	125,2	2,63	2393
	ESZ 24-700	2.435	55.870	700	459	12,0	9,0	89,5	127,9	2,76	2809
	ESZ 25-700	2.520	57.840	700	460	12,5	9,5	93,1	133,0	2,76	2912
	ESZ 26-700	2.600	59.810	700	460	13,0	10,0	96,7	138,1	2,76	3014
	ESZ 27-700	2.685	61.780	700	461	13,5	10,5	100,3	143,3	2,76	3117
	ESZ 28-700	2.765	63.750	700	461	14,0	11,0	103,9	148,4	2,76	3220
	ESZ 36-700	3.580	91.130	700	509	14,0	11,5	116,2	166,1	3,02	4105
	ESZ 37-700	3.690	94.000	700	510	14,5	12,0	120,2	171,8	3,02	4226
	ESZ 38-700	3.800	96.860	700	510	15,0	12,5	124,2	177,4	3,02	4357
	ESZ 39-700	3.905	99.720	700	511	15,5	13,0	128,2	183,1	3,02	4489
	ESZ 40-700	4.015	102.590	700	511	16,0	13,5	132,2	188,8	3,02	4621



These sheet piles are produced with a constant focus on sustainability, made from recycled and reusable materials. In addition to our stock profiles, our design and production process enables us to realise the most environmentally friendly solution for your specific project.

Meever	Profile	Wy	ly	Width	Height	Thickness		Weight		Coating Area	Wpl
		cm ³ /m	cm ⁴ /m			mm	mm	t (mm)	s (mm)		
	ZZ 12-770	1.252	21.496	770	343,5	8,6	8,5	72,8	94,5	2,55	1.488
	ZZ 13-770	1.304	22.433	770	344,0	9,1	9,0	76,2	99,0	2,55	1.551
	ZZ 14-770	1.357	23.370	770	344,5	9,6	9,5	79,6	103,4	2,55	1.613
	ZZ 17-700	1.735	36.425	700	420,0	8,5	8,4	73,3	104,7	2,81	2.032
	ZZ 18-700	1.807	38.001	700	420,5	9,1	9,0	76,7	109,6	2,81	2.132
	ZZ 19-700	1.880	39.578	700	421,0	9,6	9,5	80,2	114,6	2,81	2.210
	ZZ 20-700	1.953	41.155	700	421,5	10,1	10,0	83,7	119,6	2,81	2.304
	ZZ 24-700	2.437	55.949	700	459,2	11,3	11,2	95,8	136,9	2,93	2.875
	ZZ 26-700	2.601	59.843	700	460,2	12,3	12,2	103,0	147,1	2,93	3.071
	ZZ 28-700	2.764	63.740	700	461,2	13,3	13,2	110,1	157,3	2,93	3.278
	ZZ 36-700	3.596	89.753	700	499,2	15,1	11,2	118,7	169,6	3,11	4.151
	ZZ 38-700	3.798	94.984	700	500,2	16,1	12,2	126,5	180,7	3,11	4.363
	ZZ 40-700	3.999	100.219	700	501,2	17,1	13,2	134,3	191,9	3,11	4.610
	ZZ 42-700	4.228	105.543	700	499,2	18,1	14,0	143,0	204,3	3,10	4.882
	ZZ 44-700	4.436	110.942	700	500,2	19,1	15,0	150,7	215,3	3,10	5.096
	ZZ 46-700	4.635	116.159	700	501,2	20,1	16,0	158,5	226,4	3,10	5.343
	ZZ 48-700	4.788	120.467	700	503,2	22,1	15,0	159,3	227,6	3,10	5.528
	ZZ 50-700	4.973	125.358	700	504,2	23,1	16,0	166,7	238,1	3,10	5.713
	ZZ 52-700	5.162	130.403	700	505,2	24,1	17,0	174,3	249,0	3,10	5.951

Manufactured according to:

Technical delivery conditions according to EN 10248-1

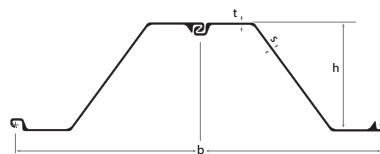
Tolerances according to EN 10248-2

Steel grade:

S270GP, S355GP, S 390GP, S 430GP, S460GP and S500GP with 3.1 certificate according to EN 10204.

Available as standard:

Length up to 24,000 mm, longer dimensions on request.





IBO® The Tailor-Made Suit In The Sheet Pile World

Sheet piling that in terms of dimensions, weight and technical specifications exactly match the strength and stiffness required in the specifications.

The Benefits:

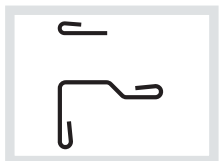
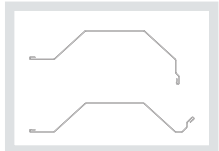
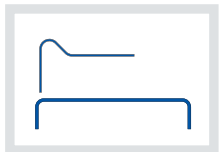
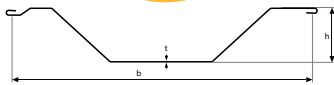
- IBO® sheet piles are lighter than regular sheet piles.
- Virtually no slot friction during insertion.
- Great freedom of choice in plank shapes and dimensions.
- Create an angle without loose needles.
- The locks are ideally suited for water inhibiting products.
- Larger working Width = fewer locks in the wall.
- Less steel = lower Weight per m2 and less CO2 emissions.
- Also suitable for small batches.
- Fast delivery times.

Meever & Meever Optimizes the Standard

Our IBO® profiles are developed by certified engineers whereby your requirements are the basis. We will develop the most advantageously profile with the required Moment of Inertia and Section Modulus. Your requirements regarding steelgrade, thickness, width and height will be considered in this development. **On demand you will receive a made-to-measure profile which is especially developed for your project.**

In the table on the right you will find a number of examples of possible savings.

The production of all our Cold-Formed Sheet Piling is in accordance with 10249 1 & 2, for which we are MPA NRW certified.



On request we can make the required Sheet Pile Cap.

	thickness	profil	details	hot rolled sheet piles	weight advantage over hot rolled sheet piles
GU 6N Wy 625 cm³/m ly 9.670 cm⁴/m 69,9 kg/m²	5 mm	IBO® - 708-5	Wy 708 cm³/m ly 11.413 cm⁴/m 51,3 kg/m²	GU 6N	- 27%
	6 mm	IBO® - 744-6	Wy 744 cm³/m ly 11.138 cm⁴/m 58,9 kg/m²	GU 6N	- 16%
	7 mm	IBO® - 741-7	Wy 741 cm³/m ly 9.692 cm⁴/m 67,9 kg/m²	GU 6N	- 3%
Larssen 601 Wy 745 cm³/m ly 11.520 cm⁴/m 78,0 kg/m²	5 mm	IBO® - 781-5	Wy 781 cm³/m ly 14.118 cm⁴/m 54,1 kg/m²	Larssen 601 GU 75	- 30% - 30%
	6 mm	IBO® - 788-6	Wy 788 cm³/m ly 13.009 cm⁴/m 62,6 kg/m²	Larssen 601 GU 75	- 19% - 19%
	7 mm	IBO® - 797-7	Wy 797 cm³/m ly 11.192 cm⁴/m 70,7 kg/m²	Larssen 601 GU 75	- 8% - 8%
Larssen 602 Wy 830 cm³/m ly 12.870 cm⁴/m 89,0 kg/m²	5 mm	IBO® - 867-5	Wy 867 cm³/m ly 17.804 cm⁴/m 53,6 kg/m²	Larssen 602 GU 85	- 40% - 37%
	6 mm	IBO® - 835-6	Wy 835 cm³/m ly 13.721 cm⁴/m 63,4 kg/m²	Larssen 602 GU 85	- 29% - 25%
	7 mm	IBO® - 846-7	Wy 846 cm³/m ly 12.240 cm⁴/m 71,8 kg/m²	Larssen 602 GU 85	- 19% - 15%
Larssen 603 Wy 1.200 cm³/m ly 18.600 cm⁴/m 108,0 kg/m²	6 mm	IBO® - 1245-6	Wy 1.245 cm³/m ly 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 ly 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 ly 23.620 cm⁴/m 87,1 kg/m²	Larssen 603 AZ 12-770	- 19% - 8%
Larssen 604 Wy 1.616 cm³/m ly 30.400 cm⁴/m 123,0 kg/m²	8 mm	IBO® - 1616-8	Wy 1.616 cm³/m ly 34.434 cm⁴/m 94,8 kg/m²	Larssen 604	- 23%
	9 mm	IBO® - 1757-9	Wy 1.757 cm³/m ly 37.667 cm⁴/m 106,5 kg/m²	Larssen 604	- 13%
AZ 18-700 Wy 1.800 cm³/m ly 37.800 cm⁴/m 109,3 kg/m²	8 mm	IBO® - 1805-8	Wy 1.805 cm³/m ly 40.772 cm⁴/m 100,2 kg/m²	AZ 18-700	- 8,3%
	8 mm	VKZ' - 1850-8	Wy 1.850 cm³/m ly 44.850 cm⁴/m 95,6 kg/m²	AZ 18-700	- 21,5%

Meever	Profile	Wy	ly	Width	Height	Thick-ness	Weight		Coating Area
		cm³/m	cm⁴/m	(mm)	(mm)		kg/m³	kg/m²	
	IBO 243-4	243	1.852	1.293	150	4	47,1	36,4	2,01
	IBO 415-4	415	5.215	1.178	250	4	47,1	40,0	2,21
	IBO 420-4	420	5.465	1.499	260	4	56,5	37,7	2,13
	IBO 619-4	619	10.926	1.540	350	4	62,8	40,8	2,34
	IBO 179-5	179	838	803	90	5	39,3	48,9	1,99
	IBO 238-5	238	1.378	1.297	115	5	58,9	45,4	2,00
	IBO 392-5	392	3.933	985	200	5	49,1	49,8	2,13
	IBO 400-5	400	4.095	1.236	200	5	58,9	47,6	2,10
	IBO 450-5	450	5.182	1.504	230	5	70,7	47,0	2,13
	IBO 497-5	497	5.581	1.479	222	5	70,7	47,8	2,16
	IBO 530-5	530	7.060	1.660	255	5	78,5	47,3	2,17
	IBO 577-5	577	8.708	1.462	300	5	70,7	48,3	2,19
	IBO 619-5	619	9.747	1.643	300	5	78,5	47,8	2,19
	IBO 708-5	708	11.413	1.558	315	5	78,5	50,4	2,31



Meever	Profile	Wy	ly	Width (mm)	Height (mm)	Thick- ness (mm)	Weight		Coating Area m ² /m ²
		cm ³ /m	cm ³ /m				kg/m ¹	kg/m ²	
	IBO 772-5	772	12.829	1.513	330	5	78,5	51,9	2,38
	IBO 781-5	781	14.118	1.330	360	5	70,7	53,1	2,41
	IBO 782-5	782	12.702	1.301	325	5	70,7	54,3	2,46
	IBO 867-5	867	17.804	1.492	410	5	78,5	52,6	2,41
	IBO 949-5	949	21.511	1.430	450	5	78,5	54,9	2,52
	IBO 361-6	361	2.724	1.267	150	6	70,7	55,8	2,05
	IBO 415-6	415	3.438	1.240	165	6	70,7	57,0	2,10
	IBO 480-6	480	4.657	1.535	196	6	84,8	55,2	2,08
	IBO 537-6	537	6.142	1.719	226	6	94,2	54,8	2,09
	IBO 616-6	616	7.897	1.477	255	6	84,8	57,4	2,17
	IBO 621-6	621	7.796	1.157	250	6	70,7	61,1	2,25
	IBO 728-6	728	10.068	1.406	272	6	84,8	60,3	2,28
	IBO 744-6	744	11.138	1.629	300	6	94,2	57,8	2,21
	IBO 788-6	788	13.009	1.380	320	6	84,8	61,4	2,32
	IBO 815-6	815	13.548	1.591	330	6	94,2	59,2	2,26
	IBO 895-6	895	14.586	1.529	325	6	94,2	61,6	2,35
	IBO 973-6	973	17.715	1.494	360	6	94,2	63,1	2,41
	IBO 1149-6	1.149	25.564	1.380	425	6	94,2	68,3	2,61
	IBO 1245-6	1.245	26.474	1.354	425	6	94,2	69,6	2,66
	IBO 1552-6	1552	38.867	1.205	500	6	94,2	78,2	2,99
	IBO 741-7	741	9.692	1.633	260	7	109,9	67,3	2,20
	IBO 797-7	797	11.192	1.425	280	7	98,9	69,4	2,25
	IBO 1245-7	1.245	24.688	1.436	395	7	109,9	76,5	2,51
	IBO 1267-7	1.267	26.224	1.426	408	7	109,9	77,1	2,52
	IBO 1292-7	1.292	25.404	1.200	390	7	98,9	82,4	2,67
	IBO 1319-7	1.319	26.413	1.400	400	7	109,9	78,5	2,57
	IBO 1349-7	1.349	32.009	1.308	436	7	109,9	84,0	2,75
	IBO 1350-7	1.350	27.360	1.385	405	7	109,9	79,4	2,60
	IBO 1438-7	1.438	30.932	1.351	430	7	109,9	81,3	2,66
	IBO 1535-7	1.535	34.645	1.305	450	7	109,9	84,2	2,76
	IBO 1770-7	1.775	46.721	1.214	525	7	109,9	90,5	2,97
	IBO 1207-8	1.207	19.666	1.471	320	8	125,6	85,4	2,45
	IBO 1208-8	1.208	19.696	1.271	320	8	113,0	88,9	2,52
	IBO 1214-8	1.214	21.248	1.515	350	8	125,6	82,9	2,38
	IBO 1217-8	1.217	19.814	1.489	325	8	125,6	84,4	2,42
	IBO 1245-8	1.245	19.167	712	305	8	78,5	110,3	2,95
	IBO 1310-8	1.310	23.620	1.470	360	8	125,6	85,4	2,45
	IBO 1451-8	1.451	28.495	1.410	391	8	125,6	89,1	2,55
	IBO 1455-8	1.455	27.662	1.202	380	8	113,0	94,0	2,66
	IBO 1743-8	1.743	40.134	1.309	460	8	125,6	96,0	2,75
	IBO 1805-8	1.805	40.772	1.278	450	8	125,6	98,3	2,82
	IBO 2023-8	2.023	50.619	1.206	500	8	125,6	104,1	2,99
	IBO 1060-8,5	1.060	16.066	1.584	300	8,5	133,5	84,2	2,27
	IBO 1255-8,5	1.255	21.525	1.514	342	8,5	133,5	88,1	2,38
	IBO 1759-8,5	1.759	39.015	1.334	440	8,5	133,5	100,0	2,70
	IBO 1866-8,5	1.866	42.034	1.294	450	8,5	133,5	103,1	2,78
	IBO 1225-9	1.225	19.303	1.338	315	9	127,2	95,0	2,39
	IBO 1265-9	1.265	21.870	1.540	345	9	141,3	91,8	2,34
	IBO 1307-9	1.307	23.582	1.528	360	9	141,3	92,5	2,36
	IBO 1757-9	1.757	37.667	1.352	420	9	141,3	104,5	2,66
	IBO 1814-9	1.814	38.577	1.346	425	9	141,3	105,0	2,67
	IBO 1295-10	1.295	19.777	1.537	300	10	157,0	102,1	2,34
	IBO 2032-10	2.032	44.717	1.340	440	10	157,0	117,2	2,69
	IBO 2158-10	2.158	50.269	1.298	465	10	157,0	121,0	2,77
	IBO 2825-10	2.825	79.494	1.113	560	10	157,0	141,1	3,23





Cold Formed Profiles



Meever	Profile	Wy	ly	Width	Height	Thick-ness	Weight		Coating Area
		cm ³ /m	cm ⁴ /m				kg/m ¹	kg/m ²	
	VKZ 471-5	471	5.421	810	230	5	39,3	48,5	1,98
	VKZ 617-5	617	9.098	670	295	5	35,3	52,7	2,09
	VKZ 644-5	644	9.785	767	304	5	39,3	51,2	2,09
	VKZ 784-5	784	13.136	722	335	5	39,3	54,4	2,22
	VKZ 965-5	965	20.516	676	425	5	39,3	58,1	2,37
	VKZ 699-6	699	9.611	765	275	6	47,1	61,6	2,09
	VKZ 783-6	783	11.939	749	305	6	47,1	62,9	2,19
	VKZ 878-6	878	14.265	725	325	6	47,1	65,0	2,21
	VKZ 1153-6	1.153	21.741	656	377	6	47,1	71,8	2,44
	VKZ 1167-6	1.167	23.626	659	405	6	47,1	71,5	2,43
	VKZ 1246-6	1.246	29.281	903	470	6	58,9	65,2	2,33
	VKZ 491-7	491	4.293	794	175	7	55,0	69,2	2,02
	VKZ 532-7	532	4.923	788	185	7	55,0	69,7	2,03
	VKZ 846-7	846	11.628	738	275	7	55,0	74,5	2,17
	VKZ 921-7	921	14.095	728	306	7	55,0	75,5	2,20
	VKZ 1078-7	1.078	17.790	695	330	7	55,0	79,1	2,30
	VKZ 1257-7	1.257	24.517	665	390	7	55,0	82,6	2,41
	VKZ 1330-7	1.330	25.130	645	378	7	55,0	85,2	2,48
	VKZ 1201-8	1.201	19.820	685	330	8	62,8	91,7	2,34
	VKZ 1227-8	1.227	20.865	684	335	8	62,8	91,8	2,34
	VKZ 1257-8	1.257	22.000	679	350	8	62,8	92,5	2,36
	VKZ 1481-8	1.481	28.008	640	378	8	62,8	98,1	2,50
	VKZ 1850-8	1.850	44.850	836	485	8	78,5	93,9	2,51
	VKZ 1244-9	1.244	19.527	700	314	9	70,7	100,9	2,29
	VKZ 1307-9	1.307	20.908	686	320	9	70,7	103,0	2,33
	VKZ 1684-9	1.684	31.568	630	375	9	70,7	112,1	2,59
	VKZ 1735-9	1.735	34.270	628	395	9	70,7	112,5	2,55
	VKZ 1771-9	1.771	39.857	882	450	9	88,3	100,1	2,38
	VKZ 1832-9	1.832	41.228	871	450	9	88,3	101,4	2,41
	VKZ 1349-10	1.349	20.569	683	305	10	78,5	114,9	2,39
	VKZ 1404-10	1.404	22.468	678	320	10	78,5	115,8	2,36
	VKZ 1720-10	1.720	30.964	637	360	10	78,5	123,2	2,51
	VKZ 1929-10	1.929	36.648	608	380	10	78,5	129,1	2,63
	VKZ 2048-10	2.048	44.537	851	435	10	100,0	117,5	2,42
	VKZ 2354-10	2.354	55.898	808	475	10	98,1	121,4	2,60
	VKZ 2468-10	2.468	61.702	795	500	10	98,1	123,4	2,64
	VKZ 2628-10	2.628	70.289	776	535	10	98,1	126,4	2,71
	VKZ 3082-10	3.082	88.594	716	575	10	98,1	137,0	2,93

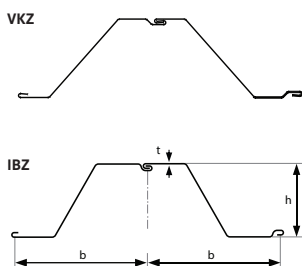
Alternatives for AZ-Profiles:

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	7-850	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	64,3	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	114,1	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

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

Steel qualities:
S235, S275, S355 or Equivalent with 3.1 Certificate in accordance with EN 10204.

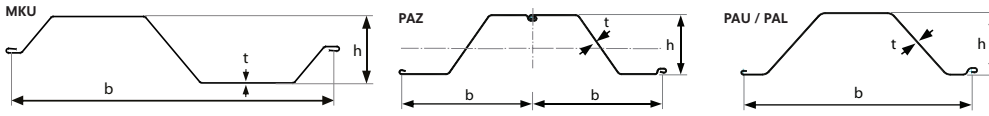
Standard availability:
Lengths up to 24.000 mm, longer lengths on request.





Meever

Profile	Wy	Iy	Width	Height	Thick-ness	Weight		Coating Area
	cm ³ /m	cm ⁴ /m	mm	mm	mm	kg/m ¹	kg/m ²	m ² /m ²
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



Meever only sells ArcelorMittal sheet piles that she has bought as remnants from other projects.

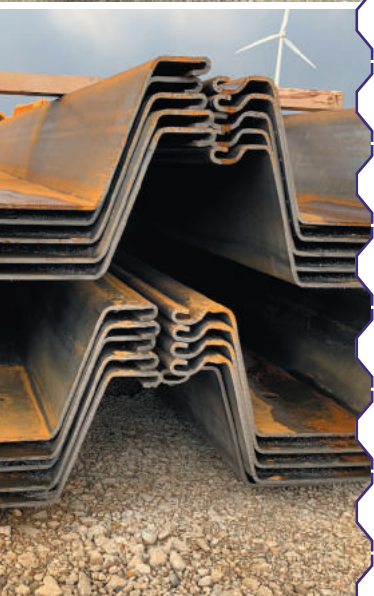
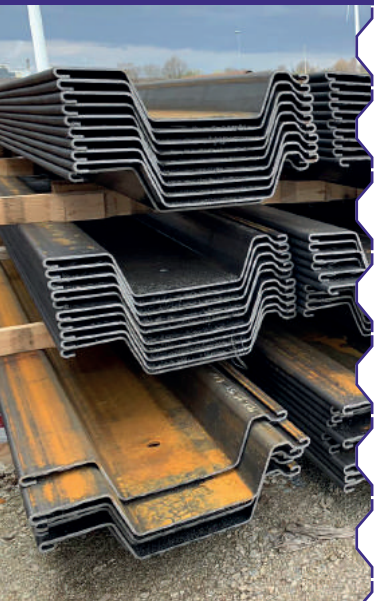
ArcelorMittal

Profile	Wy	Iy	Width	Height	Thick-ness	Weight		Coating Area
	cm ³ /m	cm ⁴ /m	mm	mm	mm	kg/m ¹	kg/m ²	m ² /m ²
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





Cold Formed Profiles

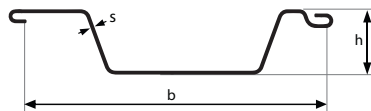


Rolled Profiles

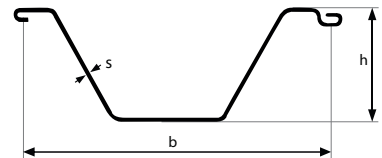
Meever	Profile	Wy cm ³ /m	Ly cm ⁴ /m	Width mm	Height mm	Thickness mm	Weight kg/m	Weight kg/m ²
	MKL 3-4	302	2.209	700	150	4,0	32,4	46,3
	MKL 3-5	374	2.753	700	152	5,0	40,4	57,7
	MKL 3-6	455	3.369	700	154	6,0	48,5	69,3
	MKL 3-7	540	4.004	700	156	7,0	56,3	80,4
	MKL 3-8	600	4.460	700	158	8,0	64,2	91,7
	MKL 3-9	680	5.120	700	160	9,0	72,0	102,9

Meever	Profile	Wy cm ³ /m	Ly cm ⁴ /m	Width mm	Height mm	Thickness mm	Weight kg/m	Weight kg/m ²
	MKL 4-5	774	10.920	710	294	5,0	49,5	69,7
	MKL 4-6	933	13.530	710	296	6,0	57,9	81,6
	MKL 4-7	1.080	15.701	710	298	7,0	67,3	94,8
	MKL 4-8	1.230	17.896	710	300	8,0	76,7	108,1
	MKL 4-9	1.380	20.896	710	302	9,0	85,6	120,6

MKL 3



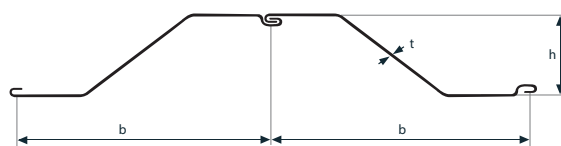
MKL 4



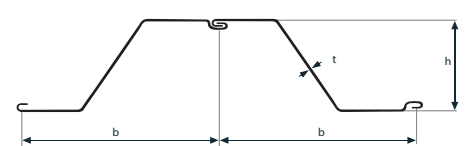
Meever	Profile	Wy cm ³ /m	Ly cm ⁴ /m	Width mm	Height mm	Thickness mm	Weight kg/m	Weight kg/m ²	Coating Area m ² /m ²
	MKZ 785-5	605	8.395	785	276	5,0	41,9	53,4	2,52
	MKZ 785-6	724	10.053	785	277	6,0	50,4	64,2	2,52
	MKZ 785-7	836	11.657	785	278	7,0	58,4	74,4	2,52
	MKZ 785-8	951	13.302	785	279	8,0	66,6	84,8	2,52
	MKZ 785-9	1.067	14.944	785	280	9,0	74,8	95,3	2,52

Meever	Profile	Wy cm ³ /m	Ly cm ⁴ /m	Width mm	Height mm	Thickness mm	Weight kg/m	Weight kg/m ²	Coating Area m ² /m ²
	MKZ 675-5	972	18.500	675	376	5,0	41,9	62,1	2,89
	MKZ 675-6	1.164	22.131	675	377	6,0	50,4	74,7	2,89
	MKZ 675-7	1.350	25.698	675	378	7,0	58,4	86,5	2,89
	MKZ 675-8	1.540	29.332	675	379	8,0	66,6	98,7	2,89
	MKZ 675-9	1.728	32.914	675	380	9,0	74,8	110,8	2,89

MKZ 785

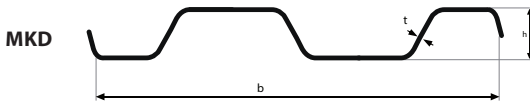


MKZ 675



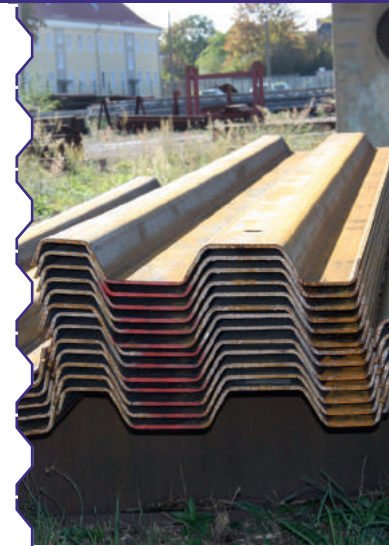
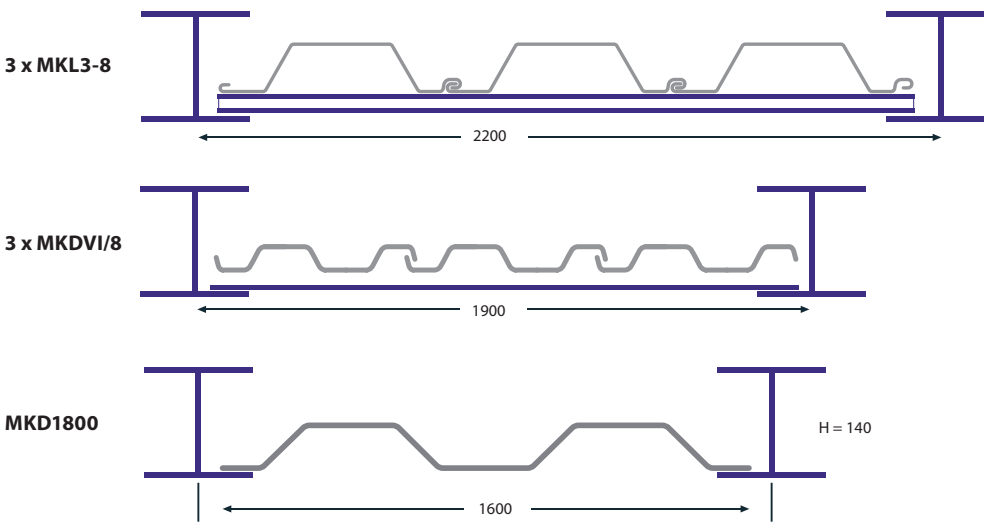
Trench Sheets

Meever	Profile	Wy cm ³ /m	Ly cm ³ /m	Width mm	Height mm	Thickness mm	Weight kg/m	Weight kg/m ²
	MKD VI/6	182	726	600	78	6,0	37,5	62,5
	MKD VI/8	242	968	600	80	8,0	50,0	83,3



Our Own XXL Trench Sheets

Meever	Profiel	Wy cm ³ /m	Ly cm ³ /m	Width mm	Height mm	Thickness mm	Weight kg/m	Weight kg/m ²
	MKD 1500	381,7	2107,5	1350	110	10	120	88,9
	MKD 1800	489,7	3492,3	1600	140	10	144	90,0
	MKD 2000	540,0	4081,1	1784	150	10	160	89,7

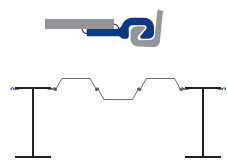
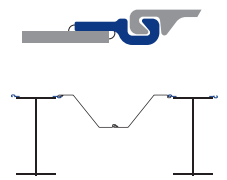
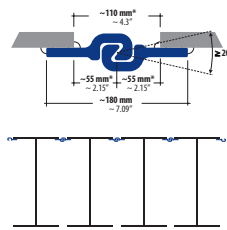
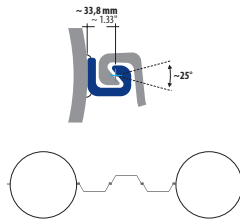
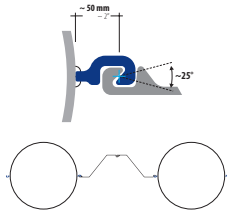
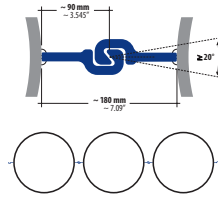
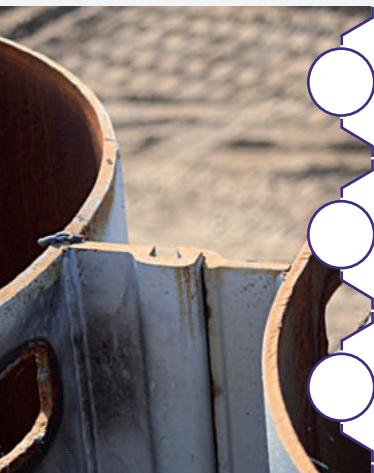




Combined Walls

A Combined Wall is a composite wall, it can consist of Pipes & Sheet piling and Beams & Sheet piling. The Sheet piling can be a Z-profile or U-profile. In the case of a Tube Wall, Meever & Meever can supply various welding needles to realise the required centre-to-centre distance. By means of welding locks, the tubes/beams can be connected to the sheet piling. Various combinations are possible with tubes/beams and sheet piling. The tables show a number of possible Combination Wall configurations.

Every project has different requirements. Our structural engineers calculate the most cost-efficient Combi Wall solution for you, taking into account all aspects of you and your project.



Pipe Pile Wall

Pipe Pile Diameter x WT	Connector 2 pcs	Section Modulus	Moment of Inertia	System Width	Weight Pipe	Weight Wall	Coating 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	3,20
914 x 19,1	LPB 180	10.733	490.701	1.094	420,6	411,9	3,20
1.067 x 19,1	LPB 180	12.939	690.167	1.247	492,2	419,0	3,70
1.219 x 19,1	LPB 180	15.161	924.237	1.399	563,8	424,5	4,20

Pipe Pile Diameter x WT	Sheet Pile Double	System Width	Section Modulus	Moment of Inertia	Sheet Pile in % to Pipe Length			Coating Both Sides*
					100%	80%	60%	
mm	Z- Profile	mm	cm ³ /m	cm ⁴ /m	kg/m ²	kg/m ²	kg/m ²	m ² / m
914,4 x 11,1	ESZ 19-700	2.414,4	3.410	155.944	204,2	183,9	163,5	6,75
1.067 x 12,7	ESZ 19-700	2.567,0	4.671	249.214	224,4	205,2	186,1	7,23
1.219 x 12,7	ESZ 19-700	2.719,0	5.616	342.306	229,0	211,0	193,0	7,71
914,4 x 12,7	ESZ 26-700	2.414,4	4.071	186.151	237,0	213,0	189,0	7,10
1.067 x 15,9	ESZ 26-700	2.567,0	5.907	315.148	273,6	251,0	228,4	7,59
1.219 x 15,9	ESZ 26-700	2.719,0	7.067	430.767	280,3	258,9	237,6	8,07

Pipe Pile Diameter x WT	Sheet Pile Triple	System Width	Section Modulus	Moment of Inertia	Sheet Pile in % to Pipe Length			Coating Both Sides*
					100%	80%	60%	
mm	U- Profile	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	2.782,0	2.781	127.144	165,7	150,4	135,0	7,68
1.067 x 12,7	VL 603	2.934,8	3.942	210.331	185,3	170,8	156,3	8,16
1.219 x 12,7	VL 603	3.086,6	4.829	294.359	191,7	177,8	164,0	8,64
914,4 x 12,7	VL 605	2.782,0	3.431	156.805	197,6	178,4	159,2	8,23
1.067 x 15,9	VL 605	2.934,8	5.088	271.455	231,6	213,4	195,2	8,71
1.219 x 15,9	VL 605	3.086,6	6.162	375.573	239,5	222,3	204,9	9,19

King Pile Wall

King Pile	Connector 2 pcs	Section Modulus	Moment of Inertia	System Width	System Height	System Weight	Coating Water Side*
IHZ 880M A	LPB 180	17.946	802.598	511,8	831,3	511,5	1,14
IHZ 1080M A	LPB 180	27.530	1.574.399	507,8	1.075,3	637,3	1,14
IHZ 1080M C	LPB 180	32.424	1.850.980	509,8	1.075,3	734,8	1,14
IHZ 1180M C	LPB 180	36.632	2.103.276	512,8	1.075,4	824,3	1,14

King Pile	Sheet Pile Double	System Width	Section Modulus	Moment of Inertia	Sheet Pile in % to Beam Length			Coating Water Side*
					100%	80%	60%	
	Z- Profile	mm	cm ³ /m	cm ⁴ /m	kg/m ²	kg/m ²	kg/m ²	m ² / m
IHZ 880M A	ESZ 19-700	1.911,8	5.668	243.727	221,5	204,6	187,7	3,10
IHZ 1080M A	ESZ 19-700	1.907,8	8.000	447.986	254,4	237,4	220,5	3,10
IHZ 1180M C	ESZ 19-700	1.912,8	10.600	593.647	306,0	289,1	272,1	3,10
IHZ 880M A	ESZ 26-700	1.911,8	6.015	258.661	238,1	217,9	197,6	3,30
IHZ 1080M A	ESZ 26-700	1.907,8	8.267	462.952	271,0	250,7	230,5	3,30
IHZ 1180M C	ESZ 26-700	1.912,8	10.867	608.597	322,6	302,4	282,1	3,30

King Pile	Sheet Pile Triple	System Width	Section Modulus	Moment of Inertia	Sheet Pile in % to Beam Length			Coating Water Side*
					100%	80%	60%	
	U- Profile	mm	cm ³ /m	cm ⁴ /m	kg/m ²	kg/m ²	kg/m ²	m ² / m
IHZ 880M A	VL 603	2.311,8	4.303	191.497	196,6	179,9	163,2	3,12
IHZ 1080M A	VL 603	2.307,8	6.433	360.262	223,7	207,0	190,3	3,12
IHZ 1180M C	VL 603	2.312,8	8.585	480.774	266,4	249,7	233,1	3,12
IHZ 880M A	VL 605	2.311,8	4.677	208.128	219,7	198,4	177,1	3,12
IHZ 1080M A	VL 605	2.307,8	6.730	376.922	246,9	225,6	204,2	3,12
IHZ 1180M C	VL 605	2.312,8	8.882	497.420	289,6	268,2	246,9	3,12

*Excluding the interlock interior, per system width.

Meever & Meever has a solution in stock to fit every possible corner connection you might need. Meever is always happy to advise on tailor-made solutions and/or connections between different types of sheet piling sections. If you don't have the time or possibility to weld the corner sections to your sheet piling yourself, why not leave that to us? We would love to help you out in our services center.

<p>LV20n Larssen / Z</p>	<p>E-20 Larssen / Z</p>	<p>LVO n Larssen / Z</p>
---------------------------------	--------------------------------	---------------------------------

<p>Omega</p>	<p>LTn (VTS) Larssen / Z</p>	<p>LOTn (VT) Larssen / Z</p>
---------------------	-------------------------------------	-------------------------------------

<p>LV22 Larssen / Z</p>	<p>L8n / E22 Larssen / Z</p>	<p>E-21 Larssen / Z</p>
--------------------------------	-------------------------------------	--------------------------------

<p>LPB180 Larssen / Z</p>	<p>IBL-1</p>	<p>IBL-2</p>
----------------------------------	---------------------	---------------------

Meever can even supply the sheet pile sections with the required angle for you, so they can be immediately placed and connected upon arrival. Variable lengths possible.

<p>IBO®</p>	<p>MKL</p>	<p>Welding and Corner Sections</p>
--------------------	-------------------	---





Steel Tubes



Our steel tubular pipes are being used for countless ground, road and hydraulic engineering projects throughout Europe and beyond. We have a wide range of diameters and wall thicknesses in stock (seamless, longitudinally welded and spirally welded), which enables us to meet the wishes and requirements of the customer and to deliver quickly from stock. For example, for outrigger constructions, pipelines, noise barriers or deeply founded flood defences.

Meever delivers steel pipes according to DIN, NEN or API. On request we can deliver every quality from stock or production including CE-marking. Steel grades up to X80, S555 or L555. We deliver quickly and on your terms; with or without certificates. The pipes are usually provided with an EN10204/3.1 and/or 3.2 certificate or a material analysis 2.1 certificate. We have a wide range of pipes; new, second choice or used.

Type	Diameter (mm)	Thickness (mm)
Seamless Tube	21,3 - 725	2,5 - 150
Longitudinally Welded Tube	42,4 - 5.600*	2,0 - 60*
Spirally Welded Tube	219 - 3.048	3,5 - 30

* Larger diameters and/or thicknesses on request.

Optional

- Non-Destructive Testing (NDT)
 - Ultrasonic Testing
 - Magnetic Testing
 - Radiographic Examination (X-Ray or Gamma Ray)
- Destructive Testing (DT)
 - Tensile Test
 - Chemical Analysis
 - Impact Test
- Drilling head; design Meever, also possible with a large injection lance.
- Bell Ends
- Footplates
- Various Welding Options (e.g. mooring post attributes)
- Coating/Galvanizing
- CE-marking



Seamless

Seamless pipes are, as the word says, pipes that are produced without a weld/seam. This makes seamless pipes ideal for high pressure projects, and are therefore perfect for projects where high demands are made. Meever has these pipes worldwide in stock, making quick delivery possible for any project.

A steel billet will be heated to high temperatures in an oven after which it is possible to create a cylindrical hollow. This hollow is produced using a rotary piercer and rollers.

Seamless tubes are mainly used for machine/equipment construction, petrochemical industry, shipbuilding, structural engineering, high pressure cylinders and automotive industry. Meever has these tubes in stock worldwide and this allows quick delivery for any project.

Longitudinally Welded

Longitudinally welded pipes are welded along the length of the pipe and can be produced in two ways. Both forms of production provide their own advantages.

The first type of production is from a coil. The coil is rolled out and folded over the width into a round shape. Then the seam is welded and a "longitudinal seam" is created over the entire length. This is a continuous process until the coil is unwound and is common for standard diameters and thicknesses.

The second form of production is from a steel plate. This plate is rolled into a pipe shape whose specification exactly fits the customer's project. These pipes are also welded along the length of the pipe and for this reason also bear the name 'longitudinally welded'.

The separately produced pipes have got a limited length and therefore the elements are usually welded together by means of a round seam. This method is not limited in diameters and/or thicknesses and is therefore very suitable for projects which contain specific sizes, for example with thick-walled pipes.

Longitudinally welded pipes are used for such things as: piles, bored piles, mooring posts/fenders, bracing, piping.

Spirally Welded

Spirally welded pipes are pipes where the weld runs across the pipe as a spiral. A coil is rolled out and formed into a pipe-shaped spiral. It is then completely spirally welded. This is a continuous welding process until the coil is unwound. This is the ideal production form for larger tons of steel/ projects with long pipes and relatively thin wall thicknesses.

Spirally welded pipes are very suitable for combined wall constructions, outrigger pipes, pipes, mooring posts/fenders and guideways.

Combined Pipes

With a combined pipe, various pipes with different diameters and/or wall thicknesses are assembled into one pipe. Here, the demand for different strengths (Wx) and stiffnesses (Ix) can be met along the length of one pipe. This saves tons of steel where the Wx and Ix may be lower.

Combined pipes can be fabricated via all techniques (longitudinal seam, spiral, seamless).

These pipes are very suitable for heavy duty applications and are often seen in mooring posts or guideways, wind turbines, support structures/ foundations in the offshore industry.





Bollards

Meever & Meever supplies different types of bollards. Below you find our available bollard types.

Tricorn Bollards / Square Head Bollards

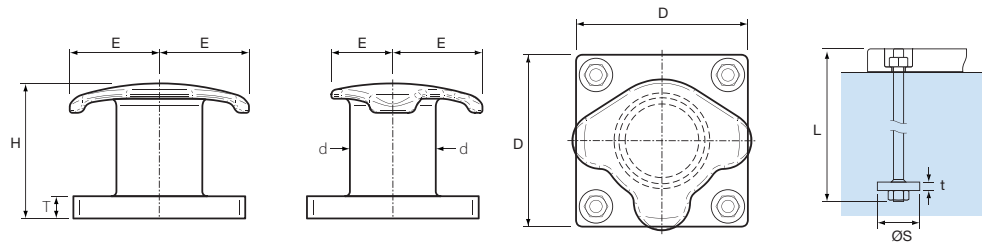
Surface & Flush Mounted

Capacity	D	E	F	H	d	T	Bolts	A	B	L	ØS	t
300 kN	480	200	140	380	200	50	4xM30	67,5	345	500	130	30
500 kN	480	325	214	390	270	60	4xM36	67,5	345	600	150	35
600 kN	480	325	214	390	270	60	4xM39	67,5	345	650	160	35
800 kN	750	365	250	530	350	70	4xM48	85	580	720	170	50
1000 kN	750	365	250	530	350	70	4xM52	85	580	800	190	50
1250 kN	750	365	250	540	350	80	4xM60	85	580	920	220	50
1500 kN	750	365	250	550	350	90	4xM64	85	580	1020	240	60

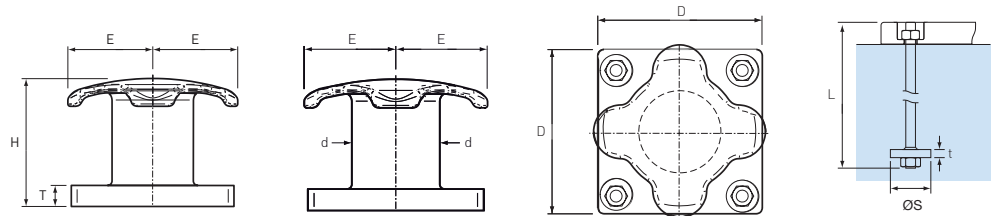
Flush Mounted

Capacity	D	E	F	H	d	T	Bolts	A	B	L	ØS	t
1750 kN	900	450	325	575	500	90	4xM60	105	690	1050	250	60
2000 kN	900	450	325	585	500	100	4xM60	105	690	1150	320	60
2500 kN	900	450	325	595	500	120	4xM68	110	690	1300	320	70
2500 kN	1100	450	325	595	500	135	4xM68	100	900	1300	320	70

Tricorn Bollards



Square Head Bollards



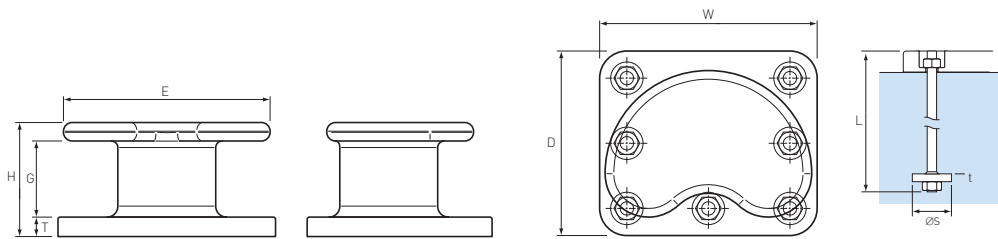
Tailoring is possible.

K-Head Bollards

Capacity	W	D	E	H	G	T	Bolts	A	B	C	L	ØS	t
150 kN	320	320	320	300	230	40	4xM24	50	220	-	500	100	25
300 kN	360	360	360	320	250	40	4xM30	50	260	-	500	110	30
500 kN	640	540	500	370	280	50	4xM36	70	400	-	500	110	30
800 kN	560	460	530	400	280	70	5xM42	70	210	320	800	150	30
1000 kN	590	490	570	420	300	70	7xM42	70	225	175	800	150	30
1500 kN	760	660	750	485	330	80	7xM48	80	300	250	1000	150	40
2000 kN	1000	850	950	525	350	90	7xM56	125	375	300	1000	180	50



K-Head Bollards

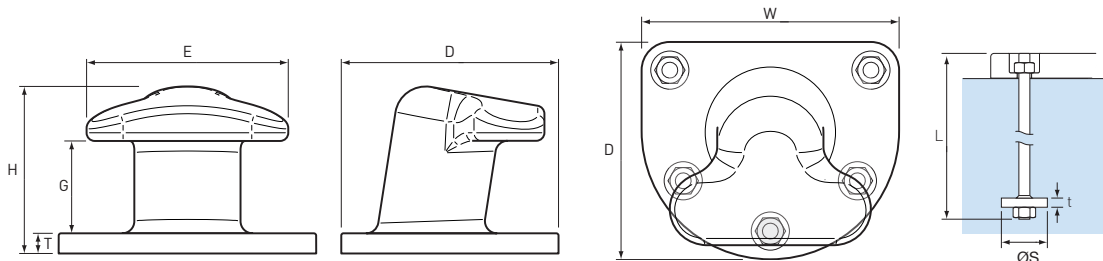


T-Head Bollards

Capacity	W	D	E	H	G	T	Bolts	A	B	C	a ₁	a ₂	a ₃	L	ØS	t
150 kN	410	335	340	275	160	40	5xM24	50	310	80	30	60	-	500	100	25
300 kN	450	375	350	295	180	40	5xM30	50	350	100	30	60	-	500	110	30
500 kN	640	540	500	415	230	50	5xM36	70	500	150	30	60	-	500	150	35
800 kN	640	550	550	455	250	70	6xM42	70	500	160	15	45	30	800	150	35
1000 kN	790	640	600	510	270	80	7xM42	70	650	175	10	40	40	800	150	35
1500 kN	900	750	700	550	270	90	7xM48	100	700	200	10	40	40	1000	180	45
2000 kN	1000	850	800	620	320	90	8xM56	125	750	225	36	36	18	1000	180	50
2500 kN	1100	900	890	720	375	105	9xM56	125	850	225	30	30	30	1000	200	50

* All dimensions are in mm. Corners are in degrees. Anchor lengths are based on concrete grade C30/37.

T-Head Bollards





Steel Beams

Meever offers steel beams and sections from stock or directly from production, delivered quickly and flexibly and with ample choice as to types and specifications. They can also be made to measure for your specific application if you so desire. We supply H-beams, U-sections and I-sections of several different lengths, grades and types.

If you are interested in using lesser quality or used steel beams, we can email you some photos of examples in advance. And we are always happy to advise you on the best choice for your specific project.

- HEA
- HEB
- HEM
- UNP
- IPE
- Double-U

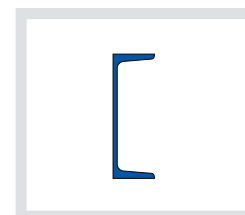
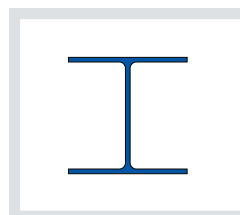


HEB	Profile HEB (din1025)	Width (mm)	Height (mm)	Wx cm ³	Weight kg/m ¹
	HEB 100	100	100	89,9	20,9
	HEB 120	120	120	144,0	27,4
	HEB 140	140	140	216,0	34,5
	HEB 160	160	160	311,0	43,7
	HEB 180	180	180	426,0	52,5
	HEB 200	200	200	570,0	63,0
	HEB 220	220	220	736,0	73,0
	HEB 240	240	240	938,0	85,0
	HEB 260	260	260	1150,0	95,0
	HEB 280	280	280	1380,0	106,0
	HEB 300	300	300	1680,0	120,0
	HEB 320	320	300	1930,0	130,0
	HEB 340	340	300	2160,0	137,0
	HEB 360	360	300	2400,0	146,0
	HEB 400	400	300	2880,0	159,0
	HEB 450	450	300	3550,0	175,0
	HEB 500	500	300	4290,0	192,0
	HEB 550	550	300	4970,0	204,0
	HEB 600	600	300	5700,0	217,0
	HEB 650	650	300	6480,0	231,0
	HEB 700	700	300	7340,0	247,0
	HEB 800	800	300	8980,0	269,0
	HEB 900	900	300	10980,0	298,0
	HEB 1000	1000	300	12890,0	322,0

HEA	Profile HEA (din1025)	Width (mm)	Height (mm)	Wx cm ³	Weight kg/m ¹
	HEA 100	96	100	72,8	17,1
	HEA 120	114	120	106,0	20,4
	HEA 140	133	140	155,0	25,3
	HEA 160	152	160	220,0	31,2
	HEA 180	171	180	294,0	36,4
	HEA 200	190	200	389,0	43,0
	HEA 220	210	220	515,0	52,0
	HEA 240	230	240	675,0	62,0
	HEA 260	250	260	836,0	70,0
	HEA 280	270	280	1010,0	78,0
	HEA 300	290	300	1260,0	90,0
	HEA 320	310	300	1480,0	100,0
	HEA 340	330	300	1680,0	108,0
	HEA 360	350	300	1890,0	115,0
	HEA 400	390	300	2310,0	128,0
	HEA 450	440	300	2900,0	143,0
	HEA 500	490	300	3550,0	159,0
	HEA 550	540	300	4150,0	170,0
	HEA 600	590	300	4790,0	182,0
	HEA 650	640	300	5470,0	195,0
	HEA 700	690	300	6240,0	209,0
	HEA 800	790	300	7680,0	230,0
	HEA 900	890	300	9480,0	258,0
	HEA 1000	990	300	1190,0	279,0

HEM	Profile HEM (din1025)	Width (mm)	Height (mm)	Wx cm ³	Weight kg/m ¹
	HEM 100	120	106	190	42,8
	HEM 120	140	126	288	53,4
	HEM 140	160	146	411	64,8
	HEM 160	180	166	566	78,1
	HEM 180	200	186	748	91,1
	HEM 200	220	206	967	106,0
	HEM 220	240	226	1220	120,0
	HEM 240	270	248	1800	161,0
	HEM 260	290	268	2160	176,0
	HEM 280	310	288	2550	194,0
	HEM 300	340	310	3480	244,0
	HEM 320	359	309	3800	251,0
	HEM 340	377	309	4050	254,0
	HEM 360	395	308	4300	256,0
	HEM 400	432	307	4820	262,0
	HEM 450	478	307	5500	270,0
	HEM 500	524	306	6180	277,0
	HEM 550	572	306	6920	285,0
	HEM 600	620	305	7660	292,0
	HEM 650	668	305	8430	300,0
	HEM 700	716	304	9200	309,0
	HEM 800	814	303	10870	325,0
	HEM 900	910	302	2540	341,0
	HEM 1000	1008	302	14330	358,0

UNP	Profile UNP (din1026)	Width (mm)	Height (mm)	Wx cm ³	Weight kg/m ¹	Weight kg/m ¹ DU-Profile
	UNP 80	80	45	26,5	8,9	18,0
	UNP 100	100	50	41,2	10,9	22,9
	UNP 120	120	55	60,7	13,7	28,8
	UNP 140	140	60	86,4	16,4	34,5
	UNP 160	160	65	116,0	19,3	40,6
	UNP 180	180	70	150,0	22,5	47,3
	UNP 200	200	75	191,0	26,0	54,6
	UNP 220	220	80	245,0	30,0	63,0
	UNP 240	240	85	300,0	34,0	71,4
	UNP 260	260	90	371,0	39,0	83,0
	UNP 280	280	95	448,0	43,0	90,3
	UNP 300	300	100	535,0	48,0	100,8
	UNP 320	320	100	679,0	61,0	128,1
	UNP 350	350	100	734,0	62,0	130,2
	UNP 380	380	102	829,0	65,0	136,5
	UNP 400	400	110	1020,0	74,0	155,4



Anchoring

For anchoring sheet piling, Meever & Meever offers various solutions. The choice depends on the situation of your project. Factors that come into play are the length and depth of the sheet piling, the subsoil and the nature of the construction (permanent or temporary).

Leg Anchor

Leg anchors are high-quality steel solid bars supplied in various designs. These rods are often installed horizontally and connected to the Sheet piling and Anchor wall using anchor plates, an eye, hammer head and calotte/flat nuts. Meever & Meever can offer all supplies from stock and production.

Hollow Threaded Anchor Bar

The principle of this anchor system is characterised by a hollow tube threaded along its entire length. The thread is rolled cold onto the seamless tube during the production process. With the application of a suitable drill head, this tube can be drilled into any possible base. The full-length thread makes it possible to use coupling sleeves to repeatedly connect pipe segments until the desired depth is reached.

The system is implemented as standard with basic pipes in steel grade E500/700 and a minimum impact value of 27J at -20 °C. We have a wide range of available diameters/wall thickness. Required segment lengths can be determined project-specifically. Suitable and adequate coupling bushings and nuts are available for each anchor type.

Solid Threaded Anchor Bar

This system consists of a solid round steel bar, which is threaded along its entire length. The threads are rolled cold onto the round bar during the production process. The full-length thread makes it possible to connect rod segments to the desired length using coupling sleeves.

The system is available in two steel grades (S355 and S500) and in a wide range of diameters. Due to the possibility of optimising the bar diameter down to the mm, there is the possibility of avoiding the unnecessary use of excess steel.

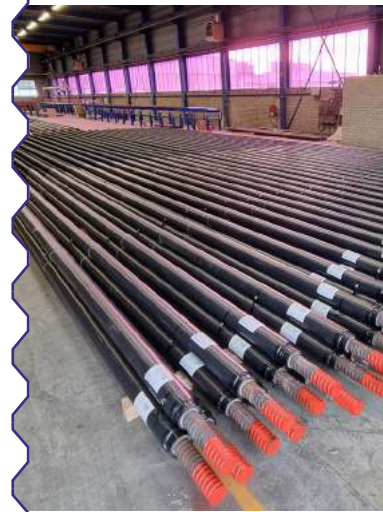
Hot Rolled Anchor Bar

This solid anchor rod is supplied as a fully hot-rolled product including thread. The full-length thread makes it possible to connect rod segments to the desired length using coupling sleeves. Various (customised) options are available for connecting the anchor rod to the construction in the form of nuts, plates, anchor seats, etc.

The system is available in two steel grades (550/620 and 670/800) and in a standard range of diameters.

Double Corrosion Protection

Optional systems can be equipped with double corrosion protection, in which a plastic casing is applied around the steel bar, which is injected with grout. This process takes place under conditioned and controlled conditions, creating a basically infinite service life.



LCA-CERTIFIED

Our Anchors have an MKI saving of 72% compared to the National Environmental Database!

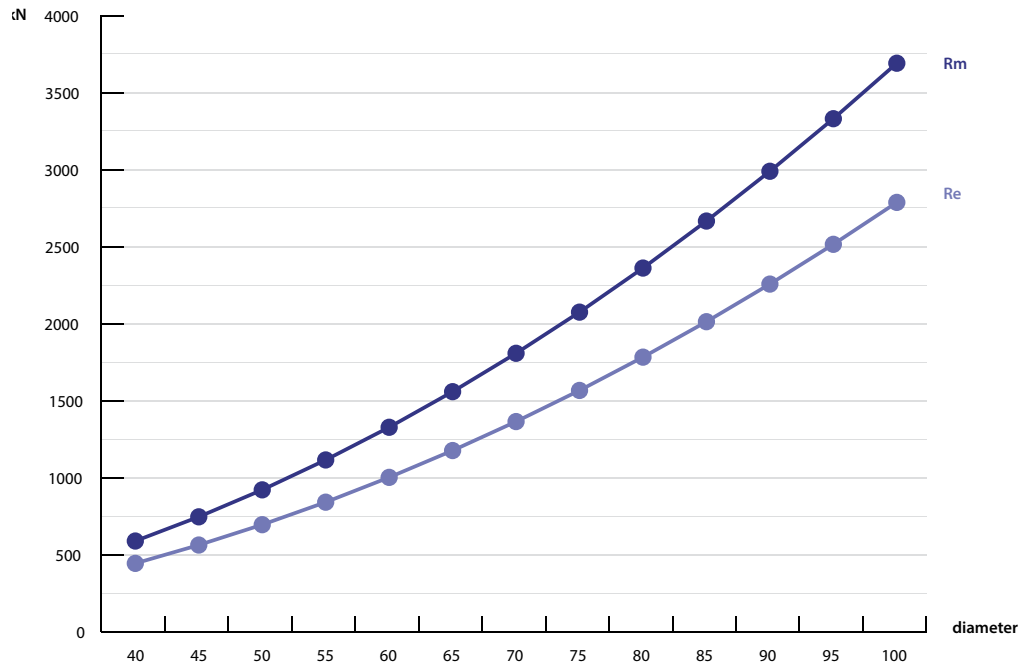


Solid Threaded Anchor Bars (S355/470)

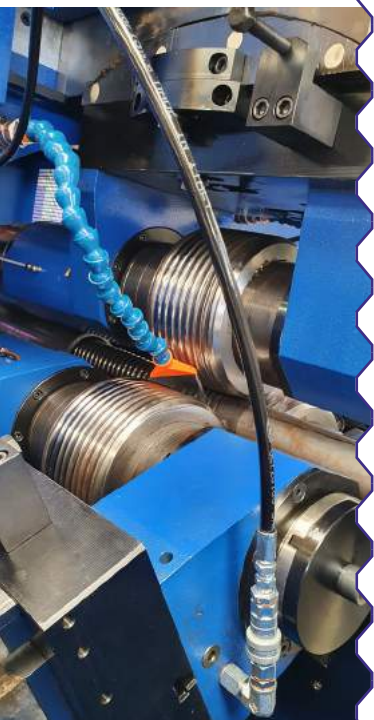
Diameter [mm]	cross-sectional area A [mm ²]	weight [kg/m]	min. yield strength Re [N/mm ²]	min. tensile strength Rm [N/mm ²]	load at yield Re [kN]	ultimate load Rm [kN]
40	1.257	9,86	355	470	446	591
45	1.590	12,48	355	470	565	748
50	1.963	15,41	355	470	697	923
55	2.376	18,65	355	470	843	1.117
60	2.827	22,20	355	470	1.004	1.329
65	3.318	26,05	355	470	1.178	1.560
70	3.848	30,21	355	470	1.366	1.809
75	4.418	34,68	355	470	1.568	2.076
80	5.027	39,46	355	470	1.784	2.362
85	5.675	44,54	355	470	2.014	2.667
90	6.362	49,94	355	470	2.258	2.990
95	7.088	55,64	355	470	2.516	3.331
100	7.854	61,65	355	470	2.788	3.691

- › Steel Grade 'S355/470' › Includes Charpytest min. 27J on -20°C on base material
- › Additional diameters available on request ›› STABs are also available with double corrosion protection (DCP)

STAB (S355/470)



The data given are indicative only and no further rights can be derived from them.

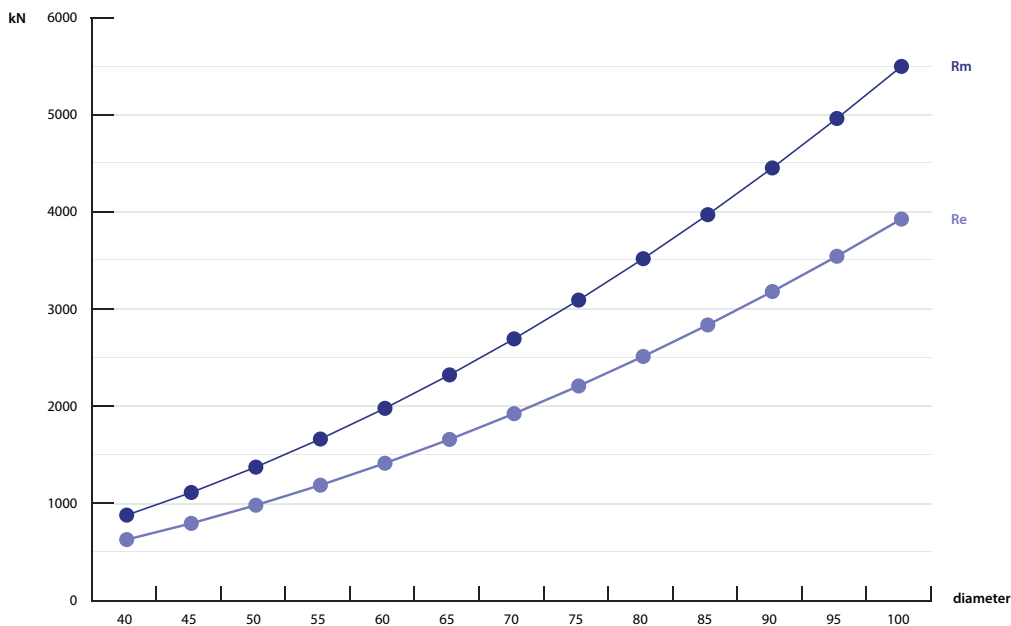


Solid Threaded Anchor Bars (S500/700)

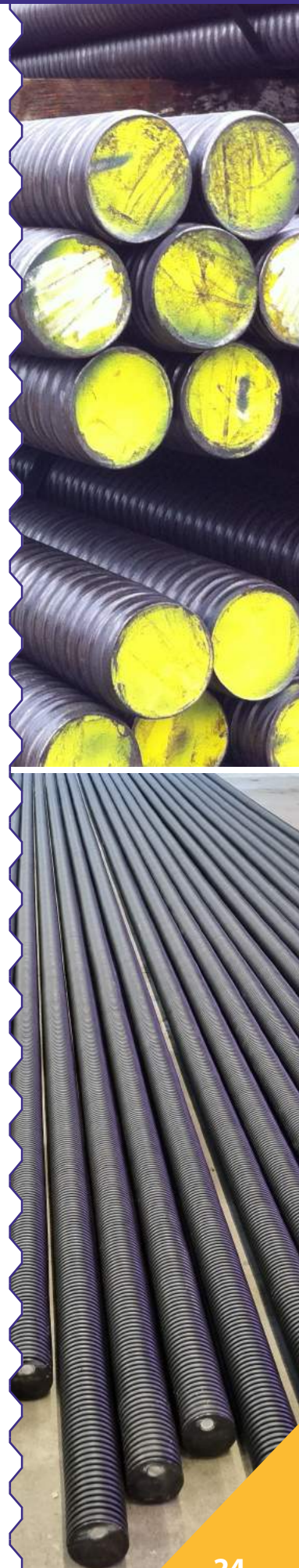
Diameter [mm]	cross-sectional area A [mm ²]	weight [kg/m]	min. yield strength Re [N/mm ²]	min. tensile strength Rm [N/mm ²]	load at yield Re [kN]	ultimate load Rm [kN]
40	1.257	9,86	500	700	628	880
45	1.590	12,48	500	700	795	1.113
50	1.963	15,41	500	700	982	1.374
55	2.376	18,65	500	700	1.188	1.663
60	2.827	22,20	500	700	1.414	1.979
65	3.318	26,05	500	700	1.659	2.323
70	3.848	30,21	500	700	1.924	2.694
75	4.418	34,68	500	700	2.209	3.093
80	5.027	39,46	500	700	2.513	3.519
85	5.675	44,54	500	700	2.837	3.972
90	6.362	49,94	500	700	3.181	4.453
95	7.088	55,64	500	700	3.544	4.962
100	7.854	61,65	500	700	3.927	5.498

- › Steel Grade 'S500/700' › Includes Charpytest min. 27J on -20°C on base material
- › Additional diameters available on request › STABs are also available with double corrosion protection (DCP)

STAB (S500/700)



The data given are indicative only and no further rights can be derived from them.



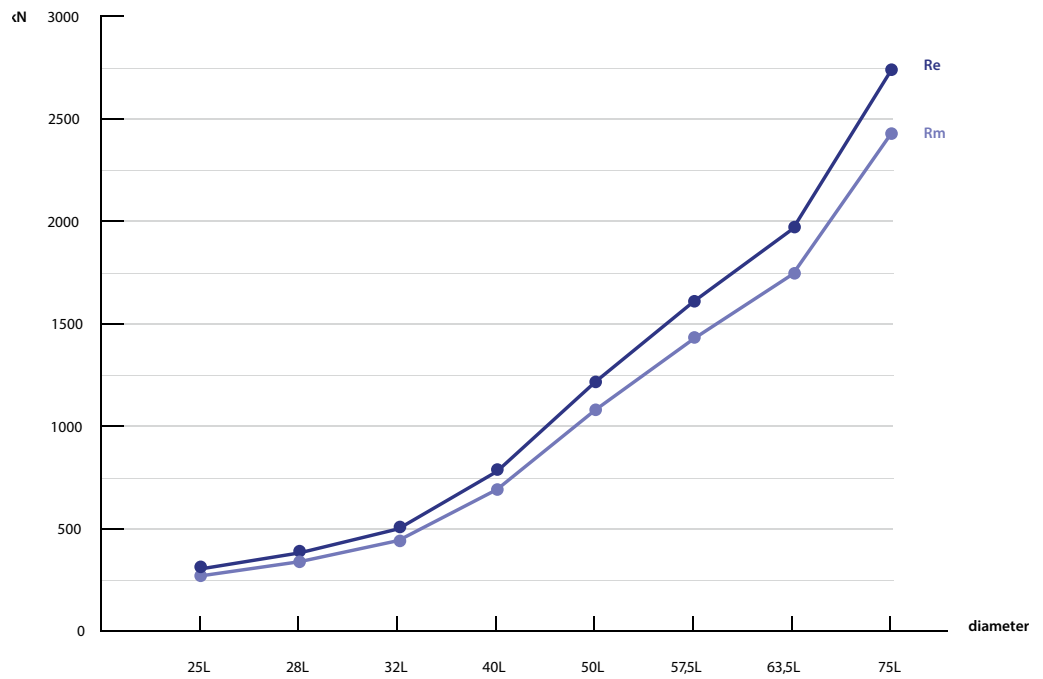


Hot Rolled Anchor Bars (S550/620)

Diameter [mm]	cross-sectional area A [mm ²]	weight [kg/m]	min. yield strength Re [N/mm ²]	min. tensile strength Rm [N/mm ²]	load at yield Re [kN]	ultimate load Rm [kN]
25L	491	3,85	550	620	270	304
28L	616	4,83	550	620	339	382
32L	804	6,31	550	620	442	499
40L	1.257	9,86	550	620	691	779
50L	1.963	15,41	550	620	1.080	1.217
57,5L	2.597	20,38	550	620	1.428	1.610
63,5L	3.167	24,86	550	620	1.742	1.963
75L	4.418	34,68	550	620	2.430	2.739

› Steel grade 'S550/620' › HRABs are also available with double corrosion protection (DCP)

HRAB (S550/620)



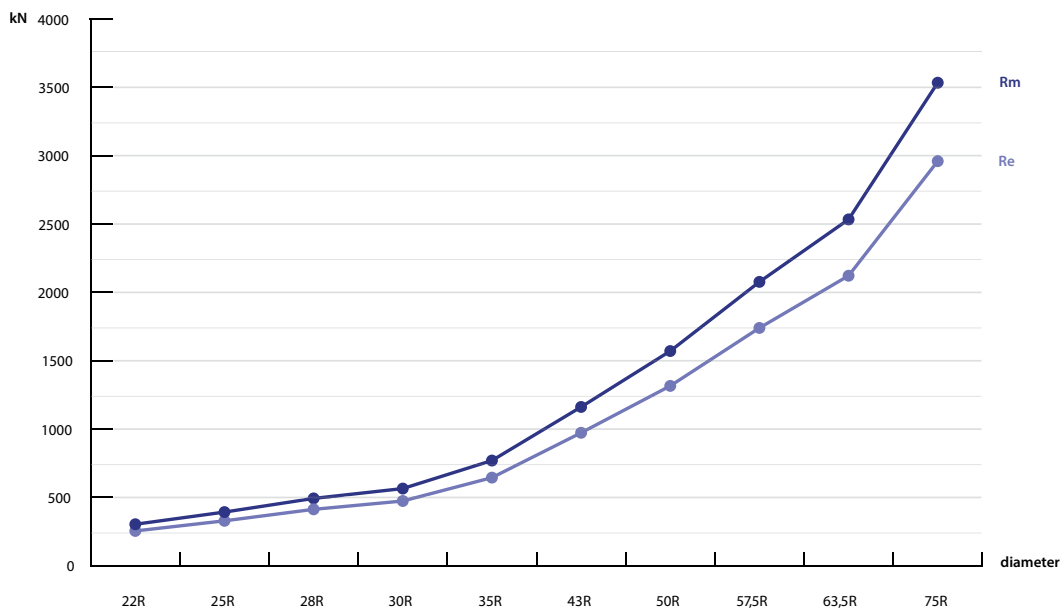
The data given are indicative only and no further rights can be derived from them.

Hot Rolled Anchor Bars (S670/800)

Diameter [mm]	cross-sectional area A [mm ²]	weight [kg/m]	min. yield strength Re [N/mm ²]	min. tensile strength Rm [N/mm ²]	load at yield Re [kN]	ultimate load Rm [kN]
22R	380	2,98	670	800	255	304
25R	491	3,85	670	800	329	393
28R	616	4,83	670	800	413	493
30R	707	5,55	670	800	474	565
35R	962	7,55	670	800	645	770
43R	1.452	11,40	670	800	973	1.162
50R	1.963	15,41	670	800	1.316	1.571
57,5R	2.597	20,38	670	800	1.740	2.077
63,5R	3.167	24,86	670	800	2.122	2.534
75R	4.418	34,68	670	800	2.960	3.534

› Steel Grade 'S670/800' › HRABs are also available with double corrosion protection (DCP)

HRAB (S670/800)



The data given are indicative only and no further rights can be derived from them.





Meever Expanding Seal



Usage

- Sealing ditches between sheet piling.
- Sealing landfill seams in concrete in wet conditions or under water.
- Sealing of seams and joints between prefabricated concrete elements in wet conditions or under water (e.g. manholes, waiting holes, cable penetrations).

Benefits

- Thanks to its special formula, Meever Expanding Seal can be applied in wet conditions.
- Solvent-free.
- Meever Expanding Seal can be applied to steel, concrete, PVC, HDPE, ... can be applied.
- Its excellent adhesion and filling properties ensure an initial seal, even on slightly damp, smooth or uneven surfaces.
- In contact with water, Meever Expanding Seal swells to about 350% of its original volume.
- Flexible system that edits to the unevenness of the surface.
- Easy application with standard gun.
- Durable: exceeds the service life of the sheet piling.
- Good chemical resistance.
- Resistant to petroleum products, mineral and vegetable oils and greases.

Description

- Meever Expanding Seal is a grey solvent-free swelling rubber based on polyurethane resins, supplied in tubes and aluminium (sausages), for sealing sheet piling locks.
- Meever Expanding Seal cures and swells as soon as it comes into contact with moisture. Curing time depends on on temperature and humidity. Meever Expanding Seal will cure faster at higher temperature and relative humidity. Meever Expanding Seal will cure within 24-36 hours.
- Performance is not affected by curing.

Application

Meever Expanding Seal should preferably be applied to a clean or dust-free substrate. The surface may be rough or smooth, moist or dry.



● Application

Swelling 36 hours after application



Watertightness Test

Element Materials Technology conducted a test to assess the watertightness of sheet pile walls filled with the Meever Expanding Seal. Meever developed a versatile test rig that allowed multiple interlocks to be tested simultaneously. The test pieces were prepared according to Meever Expanding Seal instructions and simulated real civil engineering conditions with added tension using wedges.

To prevent water leakage from the sides during testing, plates on top of the test pieces were sealed. Different types of locks were tested, including hot-rolled and cold-formed I-Locks. The special test rig consisted of a pressure chamber, a rubber insert for sealing and a steel grid for support. The pressure chamber was connected to a manometer and a water pressure source, and the seeping water was collected to determine the volume leaked through under different pressures.

During the test procedure, the water pressure was gradually increased at intervals. The results in Table 1 showed that the Meever Expanding Seal achieved full water tightness up to 4.277 bar. It is emphasised that the tests were carried out under controlled conditions and that the success of the application in practice depends on proper adhesion, determined by the applicator.

Tested maximum water pressure* at which the test pieces remained watertight

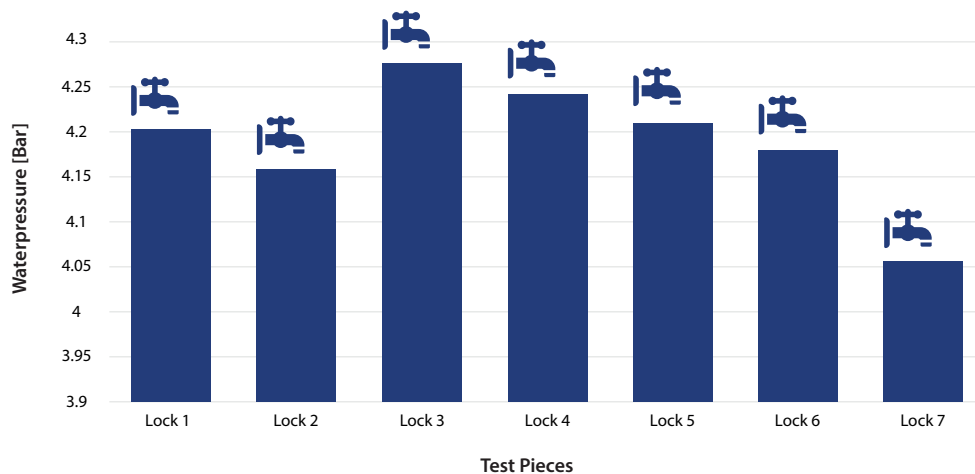


Table 1: Maximum water pressure tested



* The locks remained watertight at all times during the tests carried out. The different maximum values in the table are due to the different water pressures supplied for the test setup.





Meever Bracing System

Meever Bracing is a modular system designed and built to stamp/strengthen building pits while maintaining high flexibility and saving both time and money in the process. Compared to hydraulic systems, Meever Bracing creates a safer working environment because the system is not hydraulically pressurised. Meever Bracing is a patented system.

Meever Bracing is:

- The first of its kind, with detachable/adjustable/ hydraulic cylinders, so no extra load is caused by the hydraulics.
- Easy to install.
- Versatile.
- Saves time and money.
- Easy and quick to (dis)assemble.

With 0.5mtr, 1mtr, 2mtr, 3mtr & 6mtr Modules, Meever Bracing fits together with a full shear capacity joint, secured with one pin. This simple, easy assembly requires minimal training, saving time on site layout.

Reduced Weight

The brace is lighter than conventional method of steel pipe strutting, therefore smaller machines can be used on site.

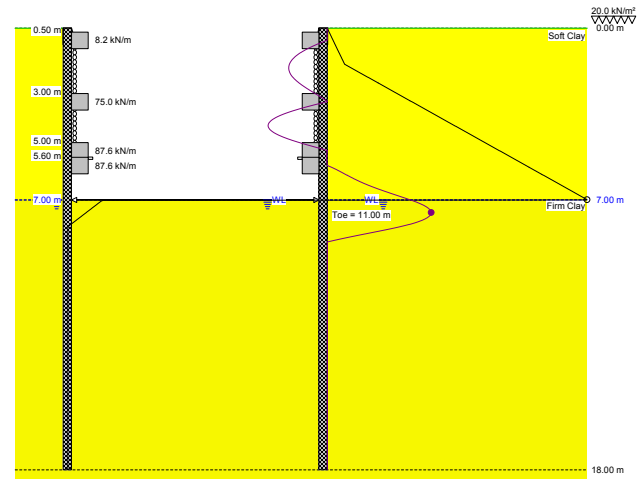
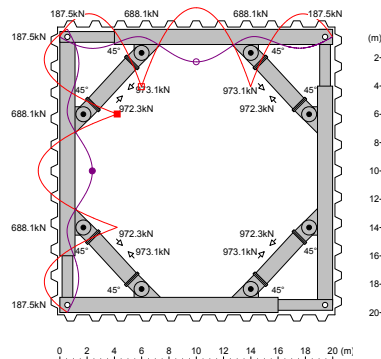
Over-dig Allowance

The Meever Bracing hydraulic unit extends up to 700mm, allowing an overall overlap of up to 200mm. This means that if overdigging occurs, the hydraulic unit can extend 200mm to cover the gap between the modules, creating dig flexibility and convenience on site.

Safe Cross Bracing

Cross brace connection points have been designed into the modules. This allows a positive connection between the module and the cross brace.

- Meever Bracing can be used in conjunction with all Steel Sheet Piles U & Z Type, Trench Sheet.
- Meever Bracing is not restricted to size or shape it is versatile in every aspect.
- Meever Bracing offer a preliminary design outlining the sheets and the amount of bracing needed to secure your excavations.



Maximum	d (m)
○ 110.0 kN/m ²	6.99
● 0.3 mm	7.51

	x (m)	R (kN)	M (kNm)
L = 20.00 m	0.00	187.5	0.0
E = 2.1E+08 kN/m ²	6.00	688.1	442.3
I = 60180.0 cm ⁴	14.00	688.1	442.3
M ₀ = 1504.7 kNm	20.00	187.5	0.0
Maximum			
Bending Moment (kNm)		442.3	5.98
Shear Force (kN)		351.7	5.97
Deflection (mm)		9.0	10.00

	x (m)	R (kN)	M (kNm)
B = 20.00 m	0.00	187.5	0.0
E = 2.1E+08 kN/m ²	6.00	688.1	442.3
I = 25170.0 cm ⁴	14.00	688.1	442.3
M ₀ = 595.0 kNm	20.00	187.5	0.0
Maximum			
Bending Moment (kNm)		442.3	5.98
Shear Force (kN)		351.7	5.97
Deflection (mm)		21.4	10.00

Interlock Sealing Meever Expanding Seal

Read more on page 27.

PileLock

PileLock is the right choice when the lock seal needs to be 100% watertight. In contact with water, this product expands up to 20 times its original volume, minimising the risk of leakage.

Pertex Bituminous Filling

This form of slot sealing is economically very interesting and significantly reduces water permeability.

Surface Treatment

Coatings

Meever & Meever supplies all coating systems inclusive of the necessary certificates.

Galvanizing

We can also hot-dip galvanise our products.

Metallizing

Meever & Meever offers the service of metallizing our products for an ideal protective layer against corrosion.

Lockshutters

Lockshutters are used to check that Sheet piles remain locked together along their entire length during installation.

Construction work & Modifications

On request, we can edit our products to meet your specific requirements.

- Welding of needles
- Corner needles
- Lifting holes
- Doubling of sheet piling
- Making to the correct length
- Loose-fitting / welded / punched

Project Design & Engineering

Our certified engineers can draw construction plans or calculate your complete project. We can help you find the best and most price-efficient solution. Our experience makes us a reliable partner. We have seen that the best results are achieved when working together, from the tender phase to the end of the project.

- Drawings and calculations
- Designing construction plans
- Developing alternative structures
- Cost-efficient engineering

Cathodic Protection (Anti Corrosion)

To reduce the effect of corrosion and significantly increase the service life of steel, we offer cathodic protection. A sacrificial anode is then attached to the steel sheet piling, this anode will literally sacrifice itself, keeping the sheet piling free from corrosion. For the calculated period, only the anode will be corroded and the steel will remain in its original state. There are numerous variations in the dimensions and characteristics of anodes. Our engineering department calculates the most efficient and economical anode that meets the requirements to extend the life of the steel. We work closely with the anode manufacturers to ensure quality and fast delivery.



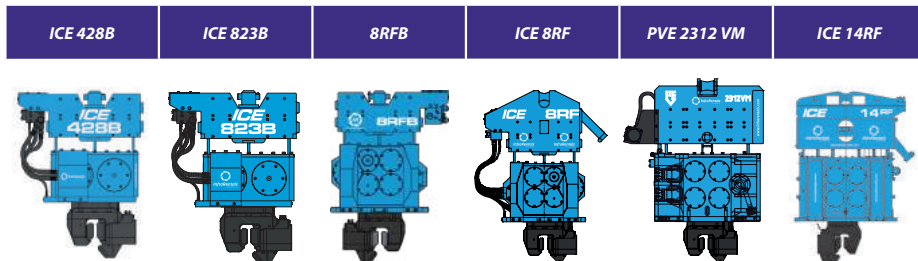
- * Zinc Anodes
- * Aluminium Anodes



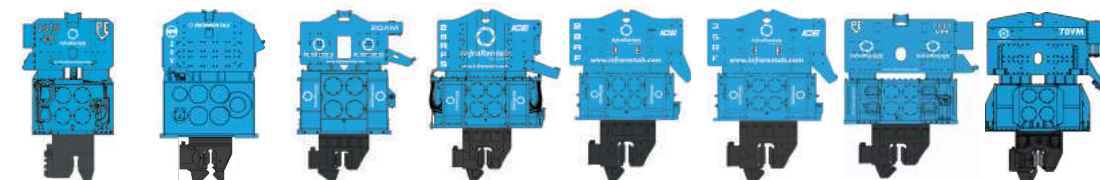


Vibratory Hammers and Power Packs

Meever & Meever supplies and rents a complete range of high-quality vibratory hammers for a wide variety of piling and soil compaction work. If you have any questions or would like more information, please feel free to contact us. If you have any questions or would like more information, please feel free to contact us.



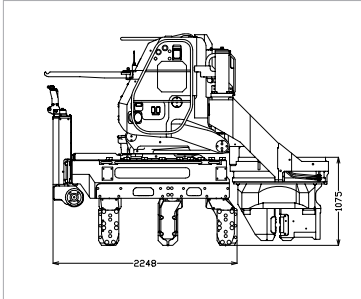
	ICE 428B	ICE 823B	8RFB	ICE 8RF	PVE 2312 VM	ICE 14RF
Universal Clamp	60 TU	60 TU	60 TU	60 TU	85TU	100 TU
Clamp Force (kN)	600	600	120	600	850	1000
Hose Package (mtr.)	-	-	-	30	30	30
Eccentric Moment (kgm)	0-4,6	8	0-7,5	0-7,5	0-12	0-14
Max. Centrifugal Force (kN)	0-395	0-464	0-435	0-435	0-700	0-810
Max. Frequency (tpm)	2800	2300	2300	2300	2300	2300
Max. Static Line Pull (kN)	120	120	120	120	250	240
Weight + Clamp (kg)	1.030	1.310	1.515	1.515	2.390	3.910



	PVE 2319 VM	HPM 20V	InfraRentals 20 AM	ICE 28RFS	ICE 28RF	ICE 35RF	2335VM	70VM
	150 TU	150 DK	165 UC	200 TU	200 TU	200 TU	350 TU	350 TU
	1500	1500	1650	2000	2000	2000	3500	800
	30	30	30	45	45	45	47	-
	0-19	0-20	0-20	0-28	0-28	0-35	0-35	0-70
	0-1100	0-1160	0-1062	0-1624	0-1600	0-1740	0-2030	0-3070
	2300	2300	2200	2300	2300	2100	2300	2000
	300	240	400	400	400	500	500	800
	4.900	4.600	5.500	6.500	8.500	9.500	9.500	1.300

Still Worker ZU-100

The Still Worker is used for vibrations free pressing and pulling from sheet piles.



Reaction stand	
Length (L1)	4,000 mm
Length (L2)	6,385 mm
Width (W1)	2,200 mm
Width (W2)	4,640 mm
Height	462 mm
Weight	2,400 kg

ZU-100

Specifications	
Max. Pressing in force	1,000 kN
Max. Pressing out force	1,100 kN
Stroke	750 mm
Pressing in speed	3.0-36.0 m/min
Drawing out speed	2.4-28.0 m/min
Tilting device	± 5 degrees
Mast rotation	180 degrees
Applicable sheet piles	<p>Z-profiles ESZ17 tot ESZ20, ESZ17-700 tot ESZ28-700, AZ12 tot AZ50, AZ17-700 till AZ41-700, AZ12-700R till AZ14-700R, AZ36-700N till AZ46-700N, H1105 tot H3806, PZC13 till PZC39, PZ22 & PZ35</p> <p>U-profiles L703 till L755, AU14 till AU26, PU12 till PU32, PU11R till PU15R, (V)L603 till (V)L607n</p>
Operation system	Wireless radio control & cable remote control
Moving system	Self-moving
Greases	Biodegradable greases

Features and Benefits of the Still Worker

- Virtually noise and vibration-free, this means that installing sheet piling is possible up to 1,500 mm from existing buildings or services.
- The Still Worker operates at ground level without pile drivers, making it a very safe way of working.
- Uses a wireless control system, this gives the operator a wide visibility range and a safe working environment.
- The Still Worker is light and compact, requiring only a small crane to supply sheet piling.
- Ideal for workplaces with Height restrictions.
- Stage 5 engine.

Exclusive Mast Tilting Device is standard with each machine.

Features and benefits of the Mast Tilt device

- Mast/Claw plate can tilt 5 degrees, both forwards and backwards.
- Even more precise and efficient installation of sheet piling.
- Makes self-standing relocation much easier and faster.
- Makes working on slopes much easier.



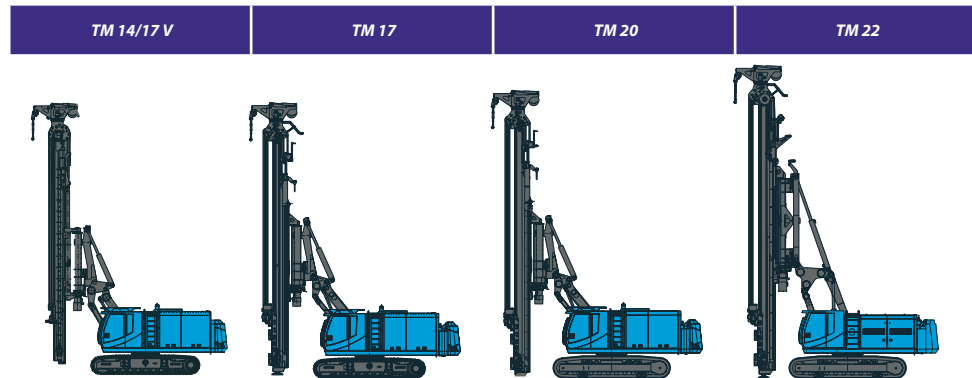


ABI Piling Rigs

Meever supplies and rents out ABI piling rigs, for pile driving, pressing and extracting from sheet piles, tubes and beams. Below you can find our available ABI piling rigs. If there are any questions or you need more information, please contact us.



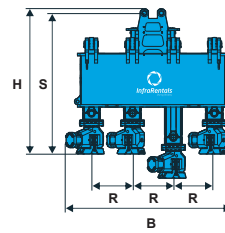
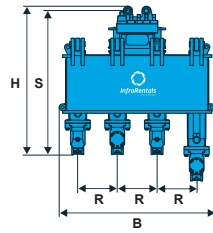
	TM 13	TM 13/16 SL	TM 14/17 VSL	TM 26
Engine power (kW)	209	340/470	470	563
Stroke guiding carriage (mm)	13500	16000	17000	26200
Torque absorption max (kNm)	60	45	45	160
Max. load capacity (kg) at 360 degrees operation. reach dependent on ballasting	7000	9000	9000	20000
Carrier unit	SR 20 F	SR 30 / SR 35	SR 35	SR 45
Transport weight (approx. to.) (incl. standard counter weight. reduction of transport weight possible by detaching counter weight)	40	47/51	53,3	88,5
Operation weight with standard vibrator (approx. t)	43,5	51,2/56,5	57,3	94
Standard vibrator	MRZV 16VV	MRZV 20VV	MRZV 20VV	MRZV 36VV
Eccentric static moment (kgm) (Max.) Centrifugal force (kN)	0-16 750	0-20 1200	0-20 1200	0-36 1500



	TM 14/17 V	TM 17	TM 20	TM 22
Engine power (kW)	470	470	470	470
Stroke guide carriage (mm)	17000	18000	20000	22000
Torque absorption max. (kNm)	100	150	150	200
Max. load capacity (kg) at 360 degrees operation, reach dependent on ballasting	10000	11000	12000	15000
Carrier unit	SR 35	SR 35	SR 35	SR 35 HD
Transport weight (approx. to.) (incl. standard counter weight, reduction of transport weight possible by detaching counter weight)	58	63	64,8	76
Operation weight with standard vibrator (approx. t)	63	67,4	70	81
Standard vibrator	MRZV 30VV	MRZV 30VV	MRZV 30VV	MRZV 30VV
Eccentric static moment (kgm) (Max.) centrifugal force (kN)	0-30 1500	0-30 1500	0-30 1500	0-30 1500

Technical data¹

	HPU	HPZ 630/670/700
--	-----	-----------------



Pressing force (kN)	4 x 800	4 x 800
Extraction force (kN)	4 x 600	4 x 600
Stroke (mm)	4 x 400	4 x 400
Hydraul. flow rate max. (l/min)	420	420
Nominal oil pressure (MPa)	32	32
Total weight / transport Weight (kg)	6140 / 6620	6470 / 7250

Suitable for steel sheet piles

U profiles

Z profiles

	PU6, PU8, PU12, PU16, PU20, PU25, PU32 VL601, VL602, VL603, VL604, VL605, VL606, VL628, VL607	ESZ13, ESZ18, ESZ26, ESZ36, ESZ36-700, ESZ38-700, ESZ40-700, ESZ 17-630/700 up to ESZ 40-630-700
H (mm)	2250	2400
S (mm)	2180	2330
B (mm)	2360	2950
T (mm)	1030	980
R (mm)	600	630/670/700 ¹

Transport dimensions

h (mm)	2535	2630
b (mm)	2360	2950
t (mm)	1240	1100

¹ Mechanically adjustable, other pitches on request.





Sheet Piling Steel Grades For Hot-Rolled Sheet Piles conforming to EN 10 248-1

Steel Grade	Minimum Yield Point	Tensile Strength	Minimum Elongation
	MPa	MPa	%
S 240 GP	240	340	26
S 270 GP	270	410	24
S 320 GP	320	440	23
S 355 GP	355	480	22
S 390 GP*	390	490	20
S 430 GP*	430	510	19

*) For the higher-strength sheet piling steels S 390 GP and S 430 GP, an approval certificate (Z-30. 1-17) from the building supervisory authorities is available.

Deviation Limits And Dimensional Tolerances For Hot-Rolled Sheet Piles

made of unalloyed steels conforming to DIN EN 10 248-2

Pile Width	Single piles $\pm 2\%$; double and triple piles $\pm 3\%$
Wall Thickness of U-sections	t: up to 8,5 mm = $\pm 0,5$ mm; over 8,5 mm = $\pm 6\%$ t s: up to 8,5 mm = $\pm 0,5$ mm; over 8,5 mm = $\pm 6\%$ s*
Wall Thickness Z-profiles and flat profiles	t, s: up to 8,5 mm = $\pm 0,5$ mm; over 8,5 mm = $\pm 6\%$ s, t
Height U-profiles	h: up to 200 mm = ± 4 mm; over 200 mm = ± 5 mm
Height Z-sections	h: up to 200 mm = ± 5 mm; von 200 up to 300 mm = ± 6 mm; over 300 mm = ± 7 mm
Deviation from straightness	The longitudinal deviation from straightness must not exceed 0,2% of pile length.
Pile length	Sheet pile lengths are permitted to deviate by ± 200 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 pile width.
Weight	The tolerance between the arithmetic weight (according to section tables) and weighed weight of the total consignment must be within $\pm 5\%$.
Section interlocks	The interlocks shall have adequate free play so that the piles can be fitted into each other and they must engage in such a manner that the inservice forces can be transmitted. The minimum interlock overlap on U and Z piles must not be less than 4 mm and on straight-web sections not less than 7 mm.

*) Normally the positive tolerance shall be at the discretion of the manufacturer. At the time of the enquiry and order, a limitation on the positive tolerance can be agreed. In this case, the following values should be chosen: + 0,5 mm for s < 8,5 mm and + 6 % for > 8,5 mm.

Available Types:



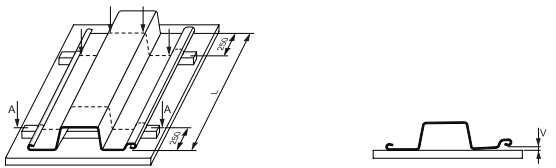
U-Profile	Single	Double S-shape standard	Double Z-shape (on request)	Triple piles standard
Z-Profile	Position A Single	Position B Enkel	Shape 1 standard	Shape 2 (on request)

Sheet Piling Steel Grades For Cold-Formed Sheet Piles conforming to EN 10 249-1







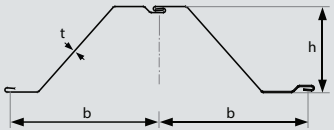
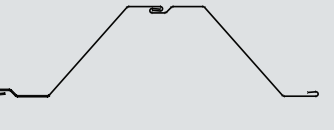
Steel Grade*	Minimum Yield Point	Tensile Strength	Minimum Elongation
	MPa	MPa	%
S 235 JRC	235	360 - 510	26
S 275 JRC	275	410 - 560	23
S 355 J0C	355	470 - 630	22

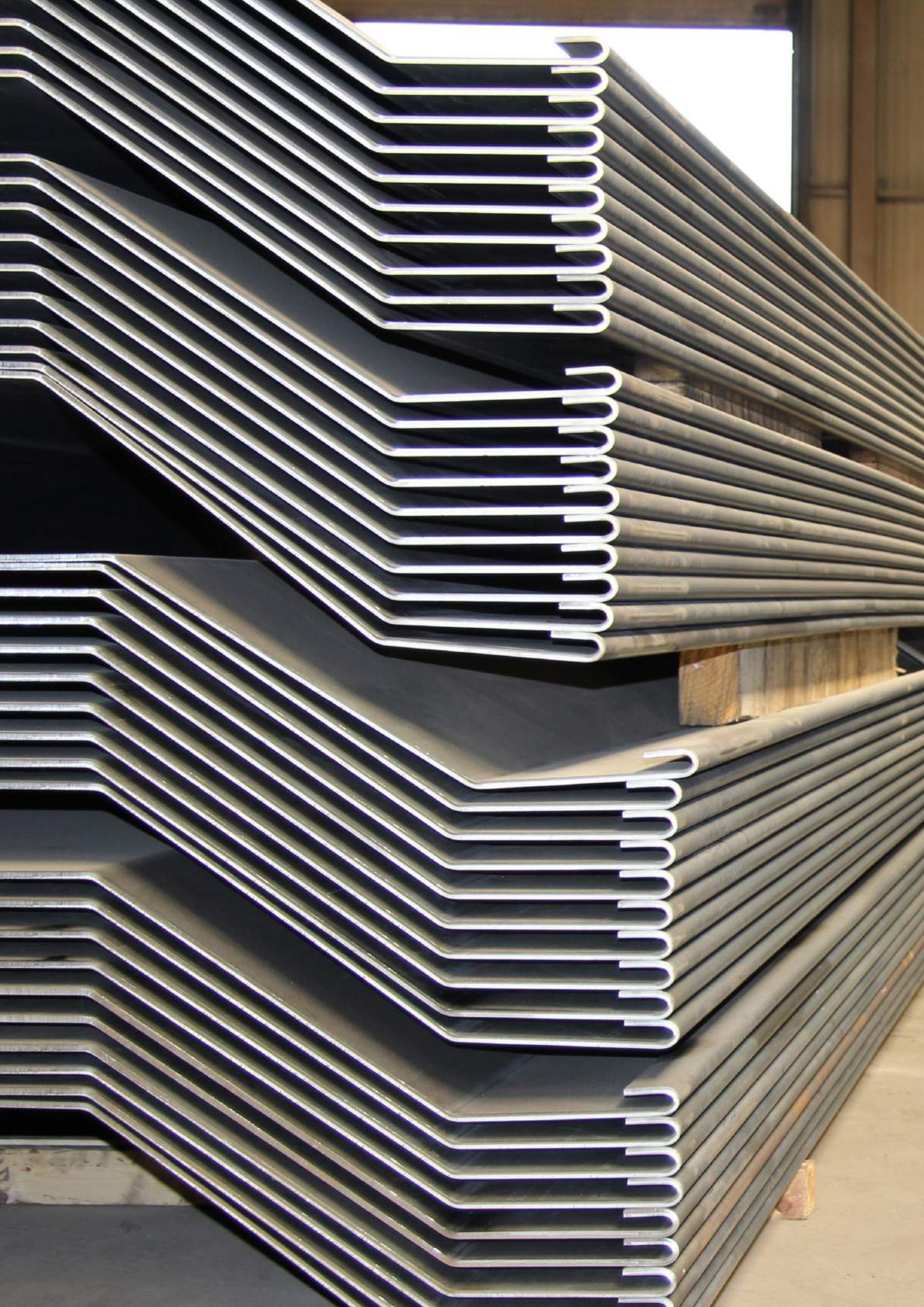
* Mechanical proportions according to EN 10025 - 2:2004. Other steel grades on request.

Deviation Limits And Dimensional Tolerances For Cold-Formed Sheet Piles made of unalloyed steels conforming to EN 10 249-2

Pile Width	Single piles $\pm 2\%$; double piles $\pm 3\%$
Wall Thickness	De Thickness tolerantie is aangeven in tabel 3 van de 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 $\pm 0,2\%$ 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 arithmetic weight (according to section tables) and weighed weight of the total consignment must be within $\pm 7\%$.

Available Types:

IBO®	Shape 1 Standard	Shape 2 (on request)	MKU	Shape 1 standard	Shape 2 (on request)
					
VKZ	Position A Single	Position B Single	Shape 1 standard	Shape 2 (on request)	
					





CONTACT US

Meever & Meever
Gorinchemsestraat 35
4231 BE Meerkerk
The Netherlands

T +31 183 358 383

E info@meever.nl

I www.Meever.nl



MEEVER & MEEVER



PILING PRODUCTS



MEEVER & MEEVER

MEEVER & MEEVER • GORINCHEMSESTRAAT 35 • 4231 BE MEERKERK • THE NETHERLANDS
+31183-358383 • INFO@MEEVER.NL • WWW.MEEVER.NL