MEEVER INDIA

ENGINEERED SOLUTIONS FOR SHORING, FOUNDATION AND MARINE CONSTRUCTION WORKS

STEEL SHEET PILES • TUBULAR PILES • STEEL SECTIONS • COMBI WALLS • TIE RODS • FABRICATION & PROTECTIVE COATING • TRENCH BOXES • TRENCH SHEETS

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INTRODUCTION

Meever India

Meever India is subsidiaries of Meever&Meever head quartered in the Netherlands

Meever&Meever operates through global offices and stock locations as distributor of steel piling products and also providing engineering solutions and services for deep excavation. shoring structures (temporary & permanent) and marine quay walls.

Meever&Meever has been expanding throughout decades to extend the support with most experienced professionals and reliable steel producing partners which are globally recognized and approved .

Meever India work on a principle of satisfying the client's requirement both technically and commercially on project basis. Meever has no boundaries of supplying hot rolled / cold formed sheet piles and other structural components for projects and also advice their clients with options to fully tailored piling solutions.

This makes Meever to stand alone and independent beyond the client's expectation for extending the support at the hard phase of the project to its clients.

All our products are designed. produced and supplied as per international standards which are globally accepted.

Meever India is located in central part of India in Hyderabad. and extents services towards Indian Sub-continent.

Key services:

a. Sheet piles (Z & U profiles)
   - Sale
   - Rental (or) Sale and buy back
b. Cold formed sheet piles (Z & U profiles)
c. Trench sheets (overlap and lock model) - Sale
d. Trench box
e. Heavy steel sections - Beam sizes above 600mm to 1000mm height
f. Tubular piles - for combi wall and foundation piles ... etc.
g. Corner piles and interlocks for combi piles and end connections
h. Fabrication works and Protective coating work – Marine grade
i. Pre - FEED and FEED services

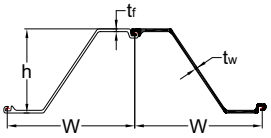
OUR **GLOBAL OFFICES** AND **STOCK LOCATIONS**

HOT ROLLED SHEET PILES

MATERIALS FOR **SALE & BUY BACK OR RENT!**

ESZ

Section	Single Pile						Per m of wall		
	Width (w)	Height (h)	Thickness		Mass (G)	Mass (G)	Sectional Area (A)	moment of inertia(I_x)	Sectional modulus
	mm	mm	Flange(t_f) mm	Web(t_w) mm*	kg/m	kg/m²	cm²/m	cm⁴/m	cm³/m
ESZ 19	700	421	9.50	9.50	80.80	115.40	147.10	39,420	1,875
ESZ 19-10/10	700	421	10.00	10.00	84.20	120.30	153.30	40,940	1,945
ESZ 20	700	422	10.50	10.50	87.60	125.20	159.50	42,470	2,015
ESZ 24	700	459	12.00	9.00	89.50	127.90	162.90	55,870	2,435
ESZ 25	700	460	12.50	9.50	93.10	133.00	169.40	57,840	2,520
ESZ 26	700	460	13.00	10.00	96.70	138.10	176.00	59,810	2,600
ESZ 27	700	461	13.50	10.50	100.30	143.30	182.50	61,780	2,685
ESZ 28	700	461	14.00	11.00	103.90	148.40	189.10	63,750	2,765
ESZ 29	700	462	15.00	12.00	111.10	158.80	202.30	67,740	2,930
ESZ 36	700	509	14.00	11.50	116.20	166.10	211.50	91,130	3,580
ESZ 37	700	510	14.50	12.00	120.20	171.80	218.80	94,000	3,690
ESZ 38	700	510	15.00	12.50	124.20	177.40	226.00	96,860	3,800
ESZ 39	700	511	15.50	13.00	128.20	183.10	233.30	99,720	3,905
ESZ 40	700	511	16.00	13.50	132.20	188.80	240.50	102,590	4,015
ESZ 42*	700	512	17.00	14.50	140.20	200.30	255.10	108,360	4,235



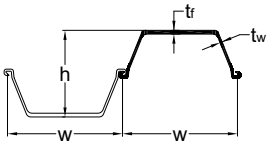
*Profile available in S390GP starting from Q4 of 2024

MZ

Section	Single Pile						Per m of wall		
	Width (w)	Height (h)	Thickness		Mass (G)	Mass (G)	Sectional Area (A)	moment of inertia(I_x)	Sectional modulus
	mm	mm	Flange(t_f) mm	Web(t_w) mm	kg/m	kg/m²	cm²/m	cm⁴/m	cm³/m
MZ12-770	770	343.50	8.60	8.50	72.80	94.50	120.42	21,496	1,252
MZ13-770	770	344.00	9.10	9.00	76.20	99.00	126.10	22,433	1,304
MZ14-770	770	344.50	9.60	9.50	79.60	103.40	131.75	23,370	1,357
MZ12-700	700	313.00	8.60	8.50	67.60	96.60	123.10	18,833	1,205
MZ13-700	700	314.00	9.60	9.50	73.90	105.60	134.60	20,494	1,307
MZ14-700	700	315.00	10.60	10.50	80.30	114.70	146.10	22,156	1,409
MZ17-700	700	420.00	8.50	8.40	73.30	104.70	133.39	36,425	1,735
MZ18-700	700	420.50	9.10	9.00	76.70	109.60	139.67	38,001	1,807
MZ19-700	700	421.00	9.60	9.50	80.20	114.60	145.96	39,578	1,880
MZ20-700	700	421.50	10.10	10.00	83.70	119.60	152.24	41,155	1,953
MZ24-700	700	459.20	11.30	11.20	95.80	136.90	174.37	55,949	2,437
MZ26-700	700	460.20	12.30	12.20	103.00	147.10	187.40	59,843	2,601
MZ28-700	700	461.20	13.30	13.20	110.10	157.30	200.43	63,740	2,764
MZ36-700	700	499.20	15.10	11.20	118.70	169.60	216.10	89,753	3,596
MZ38-700	700	500.20	16.10	12.20	126.50	180.70	230.23	94,984	3,798
MZ40-700	700	501.20	17.10	13.20	134.30	191.90	244.37	100,219	3,999
MZ42-700	700	499.20	18.10	14.00	143.00	204.30	260.17	105,543	4,228
MZ44-700	700	500.20	19.10	15.00	150.70	215.30	274.31	110,942	4,436
MZ46-700	700	501.20	20.10	16.00	158.50	226.40	288.47	116,159	4,635
MZ48-700	700	503.20	22.10	15.00	159.30	227.60	289.99	120,467	4,788
MZ50-700	700	504.20	23.10	16.00	166.70	238.10	303.44	125,358	4,973
MZ52-700	700	505.20	24.10	17.00	174.30	249.00	317.24	130,403	5,162

ESU

Section	Single Pile						Per m of wall		
	Width (w)	Height (h)	Thickness		Mass (G)	Mass (G)	Sectional Area (A)	moment of inertia(I_x)	Sectional modulus
	mm	mm	Flange(t_f) mm	Web(t_w) mm*	kg/m	kg/m²	cm²/m	cm⁴/m	cm³/m
*ESU-18	750	437	11.5	9.10	88.90	118.5	151.0	39,010	1,785
*ESU-20	750	440	13.0	10.0	97.50	130.1	165.7	44,020	2,000
ESU-23	750	447	14.0	9.50	102.10	136.1	173.4	50,720	2,270
ESU-25	750	450	15.5	10.30	110.70	147.7	188.1	56,230	2,500



*Subjected to mill configration and availabel from Q4 of 2024

MU

Section	Single Pile						Per m of wall		
	Width (w)	Height (h)	Thickness		Mass (G)	Mass (G)	Sectional Area (A)	moment of inertia(I_x)	Sectional modulus
	mm	mm	Flange(t_f) mm	Web(t_w) mm	kg/m	kg/m²	cm²/m	cm⁴/m	cm³/m
MU 618C/ Type III w	600	360	13.40	9.00	81.60	136.00	173.20	32,400	1,800
MU 623	600	430	14.00	9.40	89.50	149.20	190.00	50,376	2,343
Type IV w	600	420	18.00	—	106.00	177.00	225.50	56,700	2,700
MU 632	600	452	19.00	10.70	114.00	190.00	241.70	72,320	3,200
MU 633	600	453	19.80	11.00	117.70	196.20	250.00	75,618	3,340
MU 639	600	450	22.30	13.20	134.90	224.80	286.37	87,238	3,877
MU 723	750	447	13.00	9.20	101.20	134.93	171.90	50,359	2,254
MU 725	750	450	14.60	10.00	110.40	147.20	187.50	56,301	2,502

- Larssen interlocks
- Improved water tightness
- Low water permeability
- Available in different steel grades
- Lengths up to various length up on request
- Lifting holes for easy handling
- Containerized lengths for fast delivery

GENERAL USES OF THE SHEET PILES

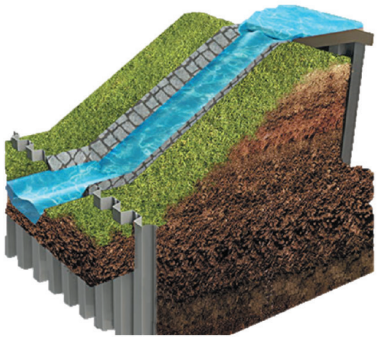
India is the biggest sub-continent with a shore line of 7,516,6 kms and also several rivers which usually reaches the highest flood levels almost every year and even higher which inundates the nearby locations. The country is having a large variety of virgin and longstanding problematic soils which are almost soft and permeable.

Various uses of sheet piles are as below:

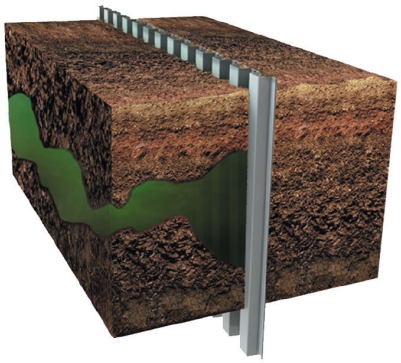
- Flood Walls
- Levee Freeboard Increases
- Dam Stabilization
- Piping Protection
- Seepage Barrier
- Levee Repair
- Chemical Containment
- Underground chemical tanks
- Seepage Barriers
- Groundwater Cut Off / diversion
- Foundation Protection
- Tide Walls
- Breakwaters / Wave Breaks
- Jetties
- Groins
- Erosion Control / Scour Protection
- Retaining Walls for abutments & slopes
- Basements

Advantages:

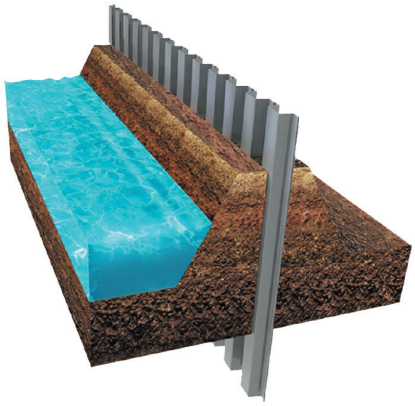
- Dry fix – No requirement of shuttering / cement concrete
- Readily available
- Quick installation
- Sustainable
- Engineered strength
- Flexible - Versatile
- Optimal land use
- Modern method of construction
- Environment friendly



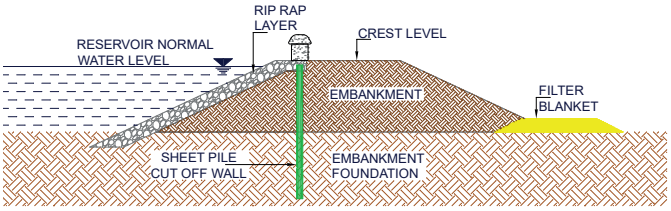
Water control structures



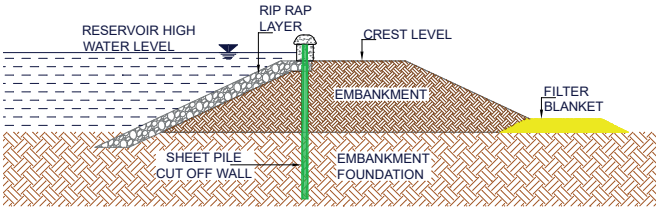
Ground / ground water contaminant cutt off wall



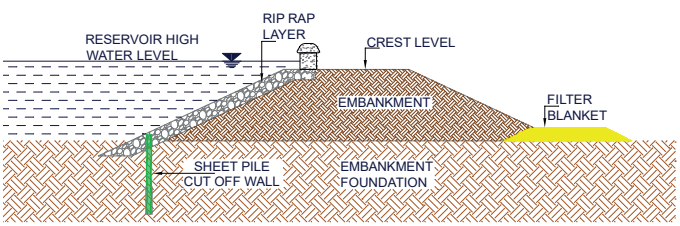
Flood protection barrier



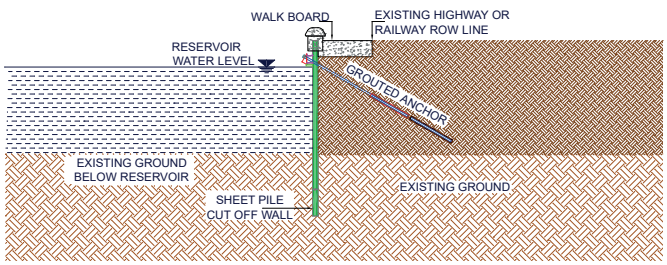
Sheet pile as cut off wall for normal water bodies



Sheet pile as cut off wall for high water levels in reservoir

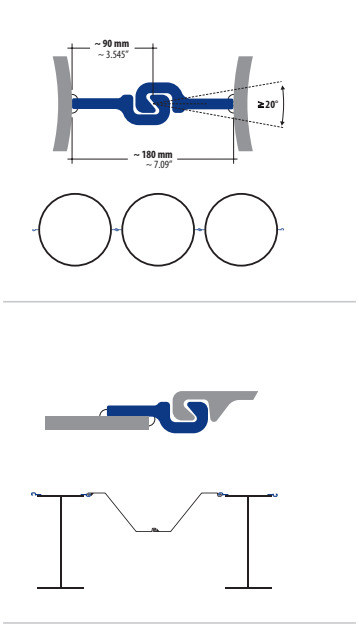


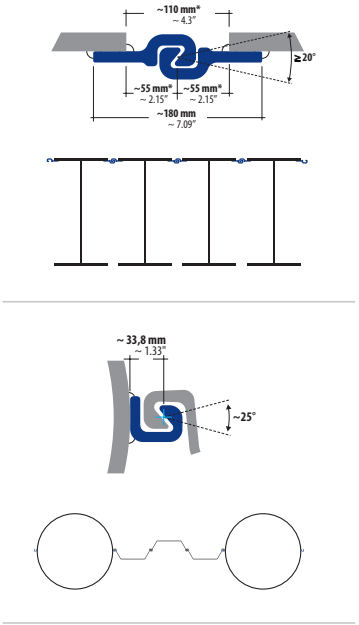
Sheet pile as scour protection for reservoirs in upstream

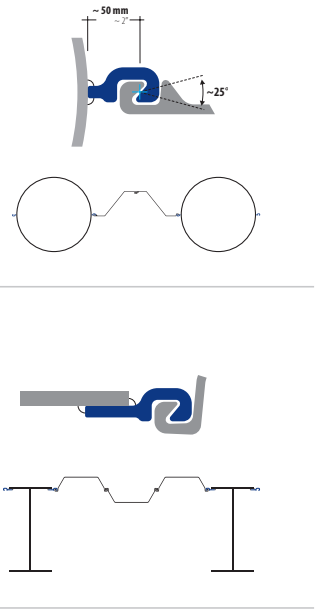


Sheet pile as water barrier wall including ground anchor at place constraints locations

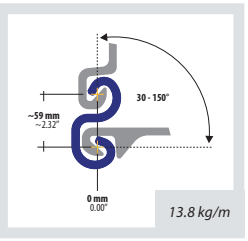
CONNECTORS/INTERLOCKS



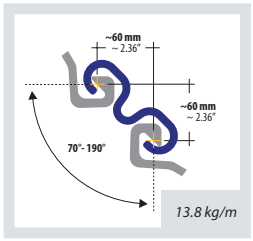




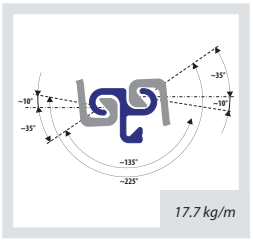
LV20 Larssen / Z



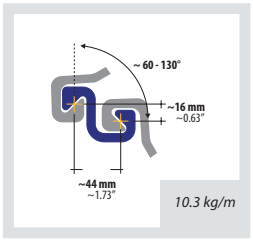
LV-Omega Larssen / Z



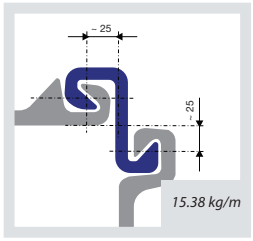
LT / VTS Larssen / Z



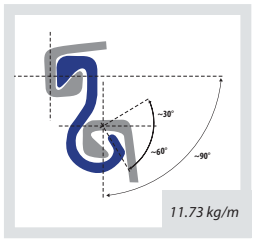
L90 Larssen / Z



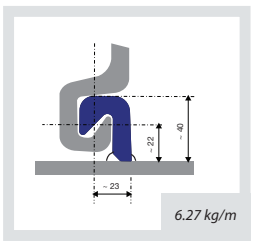
E-20 Larssen / Z



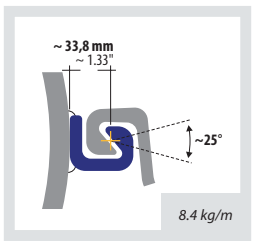
E-20 XL *Larssen / Z*



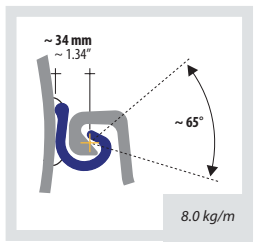
E-21 Larssen / Z



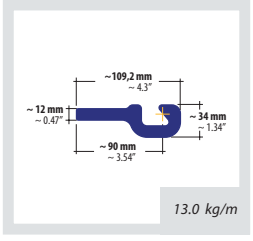
L8 / E22 Larssen / Z



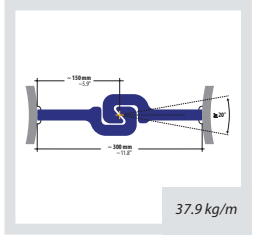
LV22 Larssen / Z



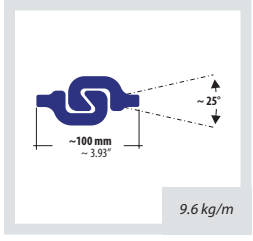
LPB 180 -10 Larssen / Z



LPB 300-20 Larssen / Z



LPB 100 -10 Larssen / Z



Advantages of connectors:

- Light weight and ease of use
- Precisely engineered and superior design.
- One-piece construction that does not rely on a single vertical weld seam.
- Elimination of costly fabrication and specifically, removing welded connections that are susceptible to increased rates of corrosion.
- Less corrosion risk than fabricated piles.
- Single unit integrity of the steel wall unit is always maintained.
- Stronger and more durable than other alternatives.
- Connectors are easily and efficiently transported with minimal risk of damage. No special packing required.
- Connectors are easier to drive and extract so that construction time is reduced. No special equipment is required.
- Compatible with regular interlocks.
- Available in typical steel grade - S355GP or equivalent, S430 Grade, ASTM and Chinese grades up on prior order.
- Accepted globally with the leading consultants and contractors.
- Connectors are available in 5.9m and 11.8m standard lengths.

TUBULAR PILES OTHER PRODUCTS

At our own production facilities, Meever manufactures pipes in LSAW, SSAW, ERW, SMLS and our special products is thick-walled pipes as well.

These are often processed and used as piling pipes, bridge and jetty pillars, spud poles, and mooring piles. Our pipes are used in both static and dynamic structures.

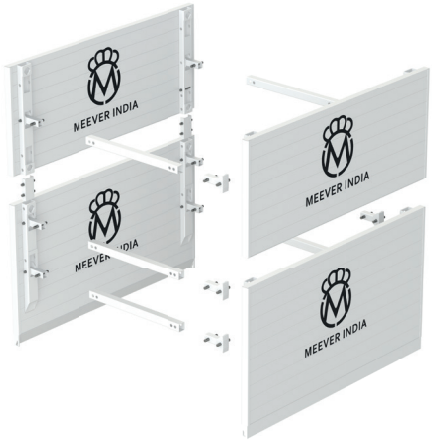
Meever manufactures thick-walled pipes with the following specifications:

- Maximum diameter up to 5,600 mm
- Maximum thickness up to 120 mm
- Maximum length up to 50 m
- Maximum weight up to 200 tons

Possible applicable steel grades:

- S235, S355, S420, S460, S490, S560
- X52, X56, X60, X65, X70, X80

We have extensive knowledge of welding high-quality, super-strong steel alloys for heavy and cold conditions.



Trench Boxes

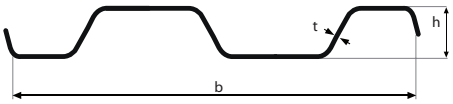
Product	Box Length mm	Box Height mm	Panel Thickness mm	Clear Length mm	Under Strut Clearance m	Max., Safe working load kPa
MBB 4023	4000	2308	100	3300	1150	40
MTB 4017	4000	1716	100	3300	-	40

Trench Sheets

Meever

Profile	Wy cm^3/m	Ly cm^4/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

MKD

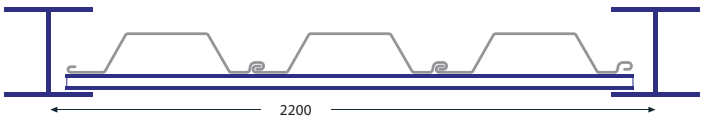


Our Own XXL Trench Sheets

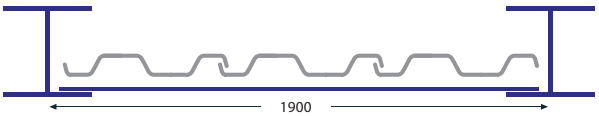
Meever

Profile	Wy cm^3/m	Ly cm^4/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

3x MKL3-8



3x MKDVI/8



MKD1800