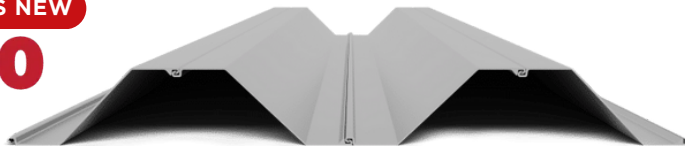


(PASTE YOUR CALLING CARD HERE)

ADVANCING WITH THIS NEW
MHZ 820



CERTIFIED
Product Safety

ACCREDITED BY:



DPWH, SGS APPROVED AND DTI-BPS CERTIFIED

CONTACT US

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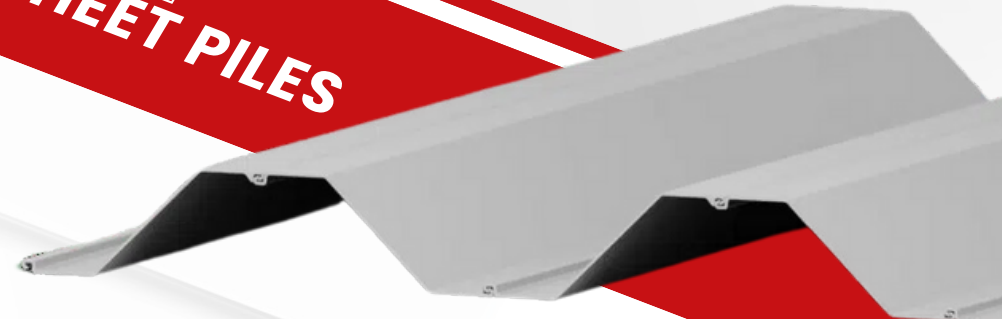
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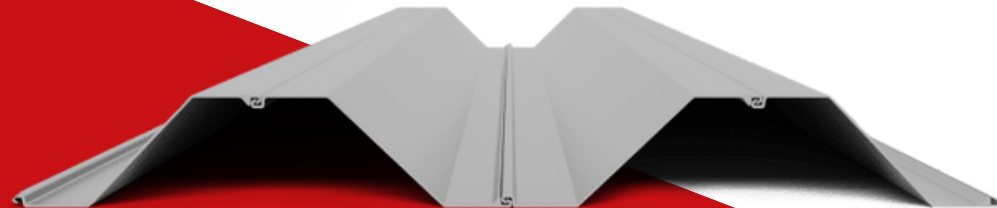
TRADING AND MERCHANDISING

Your blueprint for building better.

**STEEL
SHEET PILES**



ADVANCING WITH THIS NEW
MHZ 820



The new section is here



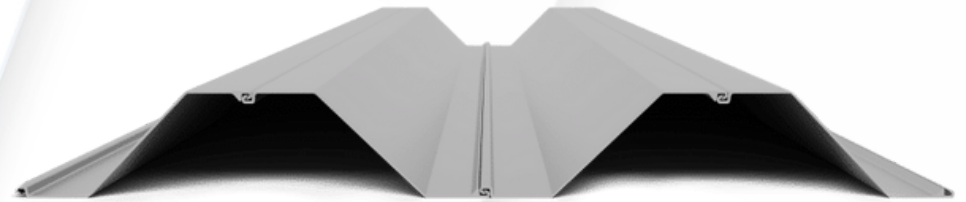
ADVANCING WITH THIS NEW

MHZ 820

Steel Sheet Piles are interlocking steel elements which acts as a retaining wall in both temporary and permanent structures. They could be rolled in both Hot Rolled (JIS or MHZ® or Hat Type) and Cold Formed (MMU® and MMZ®) manner and may be in shapes of Z, U or Hat Type in different sizes and weights.

The new **MHZ 820** conforms to the new EN10248:2023 standards and will be able to meet your project needs without compromising on drivability and execution.

The **MHZ 820** sheet piles offer top-notch rolling technology that eliminates residual stress, ensuring reliable interlock strength and performance. **MHZ 820** caters to modern waterfront and underground projects with a section modulus range from 1311cm³/m to 1470cm³/m. Available in steel grades S355GP to S460GP and lengths up to 35m, the **MHZ 820** piles are wider than traditional U-shaped piles, enabling faster installation and cost efficiency as a result of their favorable section modulus to weight ratio.



Specifications

Item	Section	Width (b)	Width (a)	Height (h)	Thickness		Cross Section Area	Weight	Weight	Moment of Inertia	Section Modulus	Bending Moment S355GP	Coating Area (Single side per pile)
		mm	mm	mm	Flange (t)	Web (s)							
1	MHZ13-820	820	432	380	7.8	7.7	108.96	70.1	85.5	24911	1311	465.41	1.1
2	MHZ14-820	820	432	380	8.3	8.2	115.67	74.5	90.8	26413	1390	493.45	1.1
3	MHZ15-820	820	432	380	8.8	8.7	122.39	78.8	96.1	27920	1470	521.85	1.1
A COMPARISON TO MHZ 770mm													
4	MHZ12-1	770	361	343.5	8.6	8.5	120.8	72.8	94.5	21496	1252	444.46	0.93
5	MHZ13-1	770	360	344	9.1	9	126.5	76.2	99	22433	1304	462.92	0.93
6	MHZ14-1	770	360	344.5	9.6	9.5	132.2	79.6	103.4	23370	1357	481.74	0.93
A COMPARISON TO U TYPE JIS PILES in SY295 or SYW295													
7	Type II	400		100	10.5		61.18	48	120	8740	874	257.83	0.67
8	Type III	400		125	13.0		76.42	60	150	16800	1340	395.30	0.72
9	Type IIIA	400		150	13.1		74.4	58.4	146	22800	1520	448.40	0.77

Advantages of MHZ 820 over MHZ 770



Increased effective width reduces the number of sections required. Use less sections to reduce handling and increase execution time.

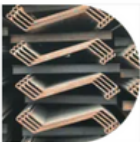


Higher moment of inertia reduces deformations under load.



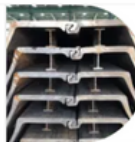
Higher strength and lighter sections.

Advantages of MHZ Sheet Pile



Superior Design vs 770 mm

Designed to provide greater strength to weight ratio compared to rival Z shaped sheet piles. Strength advantage and weight savings up to 9%.



2x Stronger Interlocks

Larsen Interlocks provide superior strength and watertightness as well as accuracy to interlocks. Provides at least 2x stronger interlock strength as compared to Cold Formed Sheet Piles.



More Steel Where It Matters

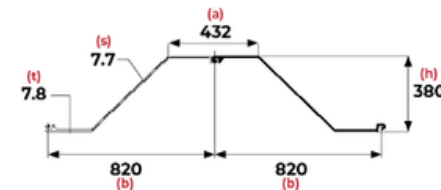
Thickened section provides greater corrosion resistance in seawater environments.



Suitable for Variety of Projects

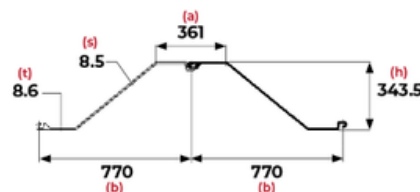
Able to survive in all soil conditions. Suitable for both temporary and permanent Waterfront, Rivers, Ports and Excavation works. Useable with standard pile driving equipment.

Summary



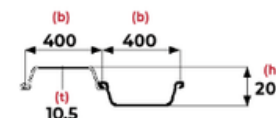
MHZ13-820 New

820mm Width	↑
465.41 Bending Moment	↑
85.5kg/m ² Weight (Cost-Saving)	↓



MHZ12-1

770mm Width	
444.46 Bending Moment	
94.5kg/m ² Weight	↓↓



Type II

400mm Width	
257.83 Bending Moment	
120 Kg/m ² Weight	\$\$\$