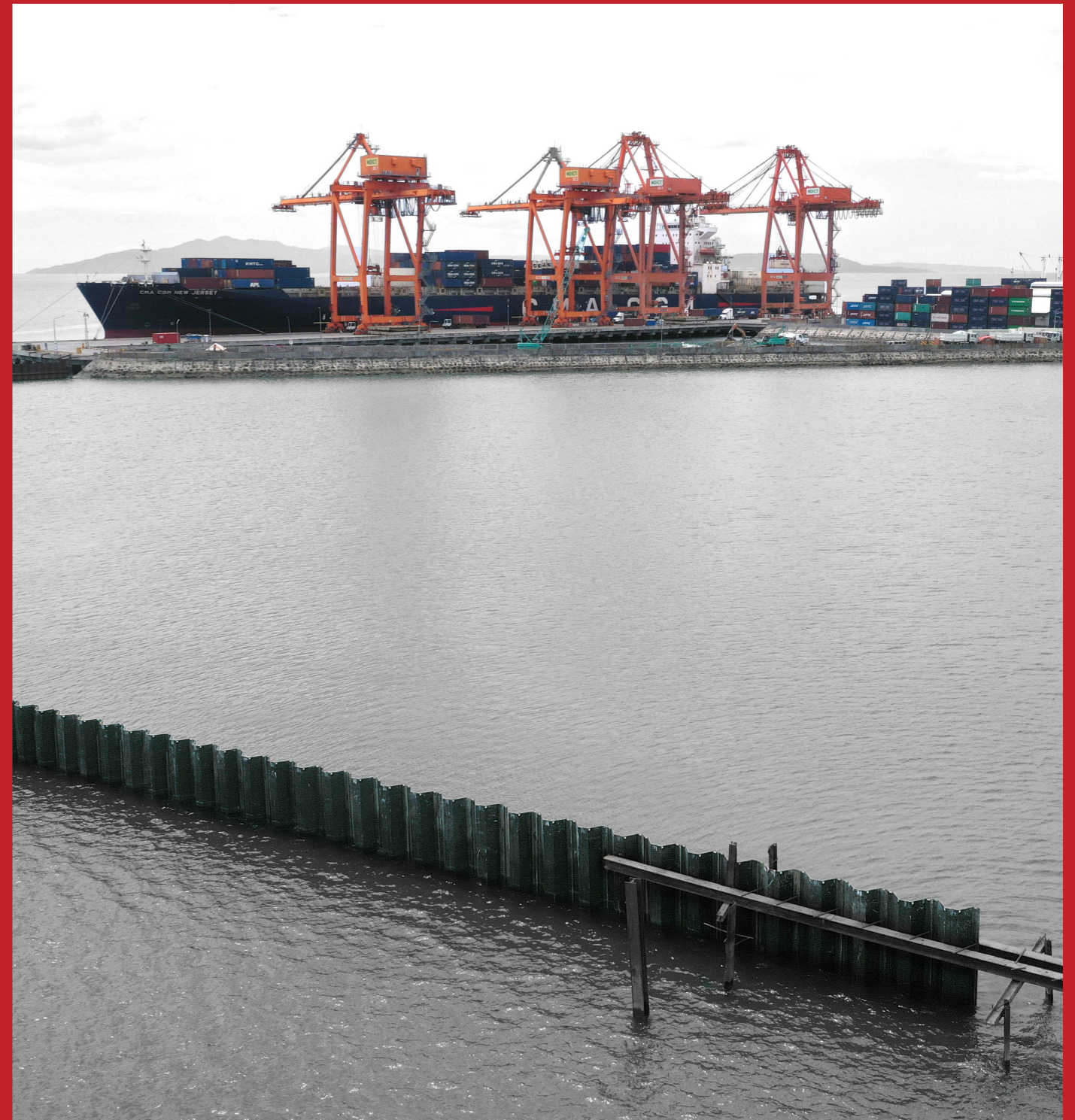


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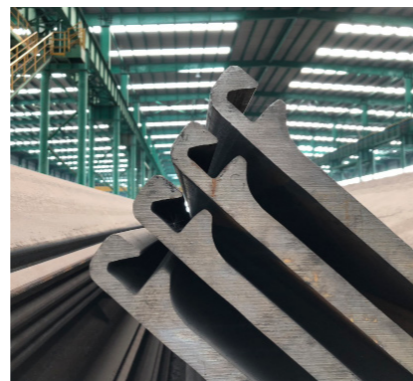
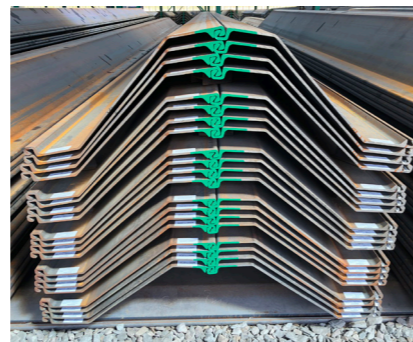
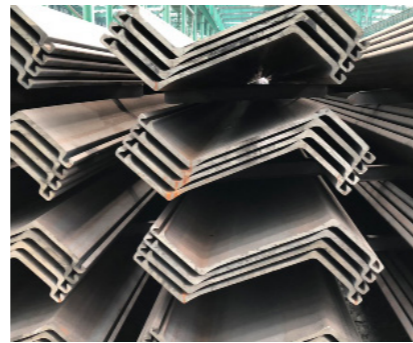
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HOT ROLLED Z PILE CATALOG

2022 - 2023



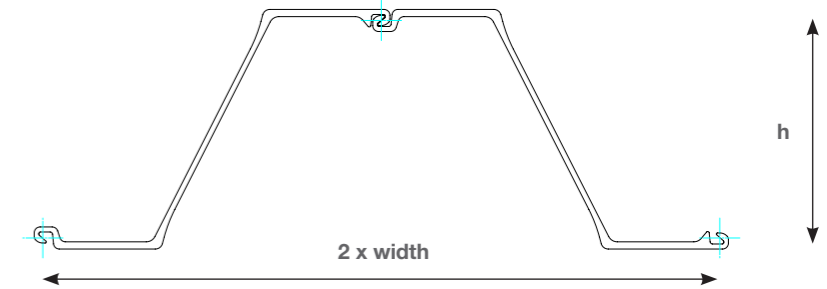
INNOVATIVE
SOLUTIONS
REDEFINED



MHZ HOT ROLLED

Manufacturing Standards: EN 10248

S270GP / S355GP / S390GP / S430GP
Lengths up to 33m long in Single or Double Pile Configuration



Section	Width a mm	Height h mm	Thickness T/T* mm	Section Area cm ² /m	Weight kg/m	Weight kg/m ²	Moment of Inertia cm ⁴ /m	Section Modulus cm ³ /m	Bending Moment kNm/m	Coating Area (2 sides) m ² /m
MHZ12-1	770	343.5	8.6/8.5	120.8	72.8	94.5	21496	1252	444.46	1.96
MHZ13-1	770	344	9.1/9	126.5	76.2	99	22433	1304	462.92	1.96
MHZ14-1	770	344.5	9.6/9.5	132.2	79.6	103.4	23370	1357	481.74	1.96
MHZ17-1	700	420	8.5/8.4	132.8	73.3	104.7	36425	1735	615.93	1.97
MHZ18-1	700	420.5	9.1/9	139.1	76.7	109.6	38001	1807	641.49	1.97
MHZ19-1	700	421	9.6/9.5	145.4	80.2	114.6	39578	1880	667.40	1.97
MHZ20-1	700	421.5	10.1/10	151.7	83.7	119.5	41155	1953	693.32	1.97
MHZ24-2	700	459.2	11.3/11.2	174.4	95.8	136.9	55949	2437	865.14	2.05
MHZ26-2	700	460.2	12.3/12.2	187.4	103	147.1	59843	2601	923.36	2.05
MHZ27-1	700	460.7	12.8/12.7	193.6	106.4	152	61641	2676	949.98	2.05
MHZ28-2	700	461.2	13.3/13.2	200.4	110.1	157.3	63740	2764	981.22	2.05
MHZ36-1	700	499.2	15.1/11.2	216.1	118.7	169.6	89753	3596	1276.58	2.18
MHZ38-1	700	500.2	16.1/12.2	230.2	126.5	180.7	94984	3798	1348.29	2.18
MHZ40-1	700	501.2	17.1/13.2	244.4	134.3	191.8	100219	3999	1419.65	2.18
MHZ42-1	700	499.2	18.1/14	260.2	143	204.2	105453	4228	1500.94	2.17
MHZ44-1	700	500.2	19.1/15	274.3	150.7	215.3	110942	4436	1574.78	2.17
MHZ46-1	700	501.2	20.1/16	288.5	158.5	226.5	116159	4635	1645.43	2.17
MHZ48-1	700	503.2	22.1/15	290	159.3	227.6	120467	4788	1699.74	2.17
MHZ50-1	700	504.2	23.1/16	303.4	166.7	238.2	125358	4973	1765.42	2.17
MHZ52-1	700	505.2	24.1/17	317.2	174.3	249	130403	5162	1832.51	2.17

COMPARISON TO U TYPE JIS PILES in SYW295

Type	Width	Height	Thickness	Section Area	Weight	Weight	Moment of Inertia	Section Modulus	Bending Moment
Type II	400	100	10.5	61.18	48	120	8740	874	257.83
Type III	400	125	13.0	76.42	60	150	16800	1340	395.30
Type IIIA	400	150	13.1	74.4	58.4	146	22800	1520	448.40
Type IV	400	170	15.5	96.99	76.1	190	38600	2270	669.65
Type VL	500	170	15.5	96.99	76.1	190	38600	2270	669.65
Type VIL	500	225	28.6	153.0	120.0	240	8600	3820	1126.90

Weight Advantage of MHZ Sheet Piles vs JIS Type U Sheet Piles

- MHZ12-1 vs Type 2 (21% Less Weight 43% Stronger)
- MHZ13-1 vs Type 3 (34% Less Weight)
- MHZ 24-2 vs Type 4 (27% Less Weight)

TARGET

- Waterfront Projects
- Bridges
- Infrastructure
- Permanent Structures
- Rail and Tunnels
- Bridges and Wharfs
- Harbours
- River and Flood Control
- Substructure