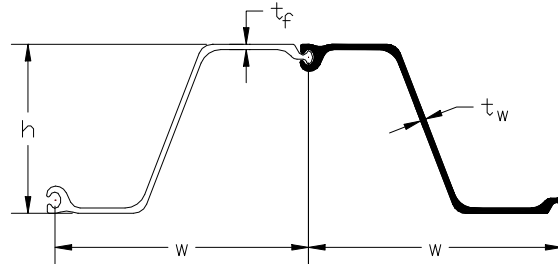


# NUCOR-YAMATO STEEL CO.

Post Office Box 1228 ♦ Blytheville, Arkansas 72316 ♦ Telephone 870/762-5500 ♦ Fax 870/763-4681

## Hot Rolled Steel Sheet Piling

### PZ Sheet Piling



Section	Width (w) in (mm)	Height (h) in (mm)	Thickness		Area in <sup>2</sup> /ft (cm <sup>2</sup> /m)	Weight		Section Modulus in <sup>3</sup> /ft (cm <sup>3</sup> /m)	Moment of Inertia in <sup>4</sup> /ft (cm <sup>4</sup> /m)	Coating Area	
			Flange ( $t_f$ ) in (mm)	Web ( $t_w$ ) in (mm)		Pile lb/ft (kg/m)	Wall lb/ft <sup>2</sup> (kg/m <sup>2</sup> )			Both Sides ft <sup>2</sup> /ft of single (m <sup>2</sup> /m)	Wall Surface ft <sup>2</sup> /ft <sup>2</sup> (m <sup>2</sup> /m <sup>2</sup> )
			<b>PZ 22</b>	22.0 559		9.0 229	0.375 9.53			0.375 9.53	6.47 136.9
<b>PZ 27</b>	18.0 457	12.0 305	0.375 9.53	0.375 9.53	7.94 168.1	40.5 60.3	27.0 131.8	30.2 1620	184.20 25200	4.48 1.37	1.49 1.49
<b>PZ 35</b>	22.64 575	14.90 378.5	.600 15.24	.500 12.70	10.29 217.9	66.0 98.3	35 52.1	48.5 2604.5	361.2 49227.2	5.37 164.2	1.42 1.42
<b>PZ 40</b>	19.69 500	16.10 408.9	.600 15.24	.500 12.70	11.76 249	65.6 97.7	40 59.6	60.7 3259.6	490.8 66890.2	5.37 164.2	1.64 1.64

Delivery conditions & tolerances according to ASTM A6/ A6M latest revision with the exception of length, which is +4", -0.

Nucor-Yamato Steel guarantees that the driving width (w) of the pile will be +/- 2%.

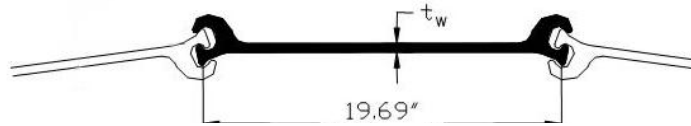
The degree of swing is not specified or guaranteed.

Nucor-Yamato Steel guarantees that the sheets will slide to grade.

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## Flat Sheet Piling (PS)



Section <sup>3</sup>	Width in (mm)	Web ( $t_w$ ) in (mm)	Minimum Cell Diameter <sup>1,2</sup> Ft (m)	Area in <sup>2</sup> /ft (cm <sup>2</sup> /m)	Weight		Section Modulus in <sup>3</sup> /sheet (cm <sup>3</sup> /sheet)	Moment of Inertia in <sup>4</sup> /sheet (cm <sup>4</sup> /sheet)	Coating Area	
					Pile lb/ft (kg/m)	Wall lb/ft <sup>2</sup> (kg/m <sup>2</sup> )			Both Sides ft <sup>2</sup> /ft of single (m <sup>2</sup> /m)	Wall Surface ft <sup>2</sup> /ft <sup>2</sup> (m <sup>2</sup> /m <sup>2</sup> )
PS 27.5	19.69	0.4	30	8.09	45.1	27.5	3.3	5.3	3.65	1.11
	500	10.2	9.14	171.2	67.1	134.3	54	221	1.11	1.11
PS 31	19.69	0.5	30	9.12	50.9	31.0	3.3	5.3	3.65	1.11
	500	12.7	9.14	193.0	75.7	151.4	54	221	1.11	1.11

<sup>1</sup> Minimum cell diameter cannot be guaranteed for piles over 65 feet (19.81m) in length

<sup>2</sup> Minimum cell diameter cannot be guaranteed if piles are spliced

<sup>3</sup> Straightness cannot be guaranteed for piles over 65 feet (19.81m) in length

### Available Steel Grades

PZ		PS	
ASTM Grades	Minimum Yield Strength (ksi)	Minimum Yield Strength (ksi)	Minimum Interlock Strength (kips/in)
A 328	39	39	16
A 572 Grade 50	50	50	20
A 572 Grade 60	60	NOT AVAILABLE	
A 588	50	50	20
A 690	50	50	20

Delivery conditions & tolerances according to ASTM A6/ A6M latest revision with the exception of length, which is +4", -0.

### Maximum Rolled Lengths

PZ: 85 feet on single sheets, 70 feet on pairs  
 PS: 80 feet

**NOTE: Interlocking of Nucor-Yamato Steel's PS sections with another producer's section should never be considered. PS and PZ sections should not be interlocked together.**

**When ordering grades A690 or A572 Grade 60, the order must be placed one rolling cycle in advance of the actual rolling cycle due to special production requirements.**

January 19, 2011