

Pipe / AZ Combined Wall System

Pipe AZ System (Diameter / AZ Section)	PROPERTIES OF PIPE PILE			PROPERTIES OF COMBINED WALL						
	Outside Diameter	Wall Thickness	Pipe Weight	System Width	System Inertia	Section Modulus	WEIGHT (AZ Length / Pipe Length)			Area
	in (mm)	in (mm)	lb/ft (kg/m)	in (mm)	in ⁴ /ft (cm ⁴ /m)	in ³ /ft (cm ³ /m)	100% lb/ft ² (kg ² /m)	80% lb/ft ² (kg ² /m)	60% lb/ft ² (kg ² /m)	in ² /ft (cm ² /m)
PA 30 / 13	30 762.0	0.313 7.938	98.93 147.2	85.3 2165.5	541 73914	36.1 1940.0	29.3 143.3	26.6 130.0	23.9 116.7	8.1 171.5
PA 36 / 13	36 914.4	0.375 9.525	142.7 212.4	91.3 2317.9	959 130965	53.3 2864.5	33.1 161.9	30.6 149.4	28.1 137.0	9.3 195.9
PA 42 / 13	42 1066.8	0.438 11.113	194.4 289.3	97.3 2470.3	1600 218549	76.2 4097.3	37.5 182.9	35.1 171.3	32.7 159.6	10.6 223.4
PA 48 / 18	48 1219.2	0.500 12.700	253.7 377.5	100.1 2542.7	2647 361455	110.3 5929.4	43.9 214.4	41.5 202.7	39.1 191.0	12.5 263.9
PA 54 / 18	54 1371.6	0.563 14.288	321.3 478.3	106.1 2695.1	3929 536619	145.5 7824.7	49.1 239.6	46.8 228.5	44.5 217.5	14.0 296.4
PA 60 / 18	60 1524.0	0.625 15.875	396.3 589.8	112.1 2847.5	5610 766185	187.0 10054.9	54.5 266.1	52.4 255.7	50.2 245.2	15.6 330.7
PA 66 / 26	66 1676.4	0.688 16.463	480.0 714.4	118.1 2999.9	7814 1067068	236.8 12730.5	63.4 309.6	60.7 296.5	58.1 283.5	18.3 386.4
PA 72 / 26	72 1828.8	0.750 19.050	570.7 849.3	124.1 3152.3	10464 1428984	290.7 15627.6	69.2 337.7	66.6 325.3	64.1 312.8	20.0 422.6
PA 78 / 26	78 1981.2	0.813 20.638	670.4 997.8	130.1 3304.7	13690 1869476	351.0 18872.2	75.1 366.8	72.7 354.9	70.3 343.1	21.7 460.0

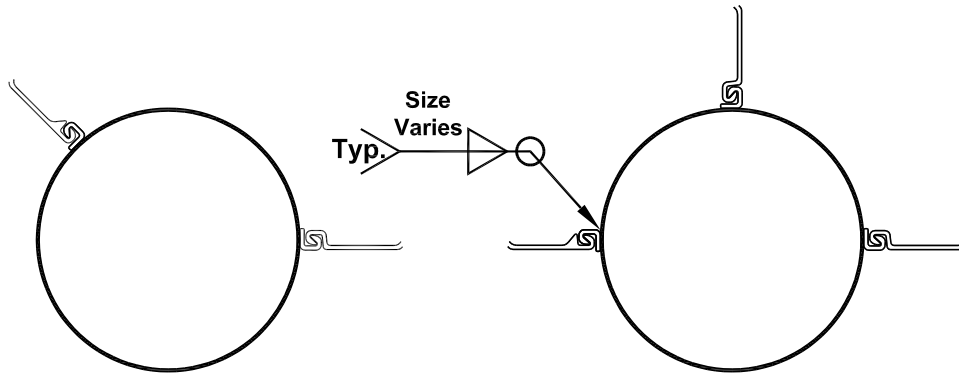
The above systems are samples; diameter, wall thickness, and intermediary sheet piles can be varied to suit the project needs.

Available Steel Grades

SPIRALWELD PIPE			AZ SHEET PILES			C 9 CONNECTORS		
ASTM	YIELD STRENGTH		ASTM	YIELD STRENGTH		ASTM	YIELD STRENGTH	
	(ksi)	(MPa)		(ksi)	(MPa)		(ksi)	(MPa)
A 252 Grade 1	30	205	A 328	39	270	A 572 Grade 50	50	345
A 252 Grade 2	35	240	A 572 Grade 42	42	290			
A 252 Grade 3	45	310	A 572 Grade 50	50	345			
A 252 Grade 3 (Mod)	50	345	A 572 Grade 55	55	380			
			A 572 Grade 60	60	415			
			A 572 Grade 65	65	450			
			A 690	50	345			

*Canadian steel grades are also available on inquiry.

Corner Piles



Delivery Conditions & Tolerances

ASTM

Pipe Piles:		– 2.5%
Outside Diameter:	± 1%	– 0 inches
Weight/Thickness:	– 5%	
Length:	± 1 inch	
AZ Sheet Piles:		
Mass:	+ 5%	
Length:	+ 5 inches	
Height:		
Thickness:		
Width:		
Double Pile Width:		
Straightness:		
Ends out of Square:		

EN 10248

± 5%
± 200 mm
± 7 mm
≤ 8.5 mm ± 0.5 mm
> 8.5 mm ± 6%
± 2%
± 3%
0.2% of the length
2% of the width

Maximum Rolled Lengths*

AZ:	102 feet	(31.00 m)
Pipe:	100 feet	(30.5 m)
C 9:	59 feet	(18.0 m)

* Longer lengths may be possible upon request.

(Length does not restrict wall height)