

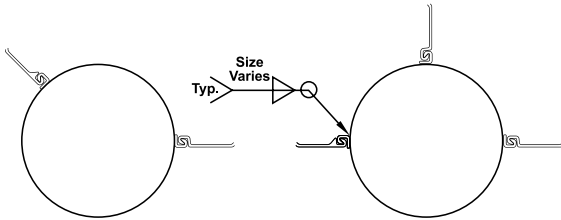
Pipe AZ System (Diameter/ AZ Section)	PROPERTIES OF PIPE PILES			PROPERTIES OF COMBINED WALL						
	Outside Diameter in (mm)	Wall Thickness in (mm)	Pipe Weight lb/ft (kg/m)	System Width in (mm)	System Inertia in ⁴ /ft (cm ⁴ /m)	Elastic Section Modulus in ³ /ft (cm ³ /m)	WEIGHT (AZ Length/Pipe Length)			Cross Sectional Area in ² /ft (cm ² /m)
							100% lb/ft ² (kg/m ²)	80% lb/ft ² (kg/m ²)	60% lb/ft ² (kg/m ²)	
PA 30/14-770	30 762.0	0.313 7.938	99.3 147.2	93.1 2365.5	526 71762	35.0 1883.5	28.2 137.6	25.1 122.6	22.0 107.5	7.8 165.2
PA 36/14-770	36 914.4	0.375 9.525	142.8 212.4	99.1 2517.9	910 124329	50.6 2719.4	31.7 155.0	28.8 140.8	26.0 126.7	8.9 188.0
PA 42/14-770	42 1066.8	0.438 11.113	194.6 289.3	105.1 2670.3	1508 205944	71.8 3861.0	35.8 175.0	33.1 161.7	30.4 147.7	10.1 214.0
PA 48/19-700	48 1219.2	0.500 12.700	253.9 377.9	105.6 2682.7	2542 347080	105.9 5693.6	42.5 207.4	40.0 195.5	37.6 183.6	11.8 250.1
PA 54/19-700	54 1371.6	0.563 14.288	321.3 478.3	111.6 2835.1	3767 514367	139.5 7500.2	47.4 231.7	45.1 220.4	42.8 209.1	13.3 281.7
PA 60/19-700	60 1524.0	0.625 15.875	369.7 590.4	117.6 2987.5	5377 734311	179.2 9636.6	52.7 257.4	50.5 246.7	48.3 236.0	14.9 315.2
PA 66/26-700	66 1676.4	0.688 17.463	480.0 714.4	123.6 3139.9	7497 1023838	227.2 12215.0	61.2 298.8	58.3 284.7	55.4 270.4	17.6 373.4
PA 72/26-700	72 1828.8	0.750 19.050	571.3 850.1	129.6 3292.3	10050 1372363	279.2 15010.7	66.9 326.4	64.1 312.7	61.3 299.1	19.3 408.5
PA 78/26-700	78 1981.2	0.813 20.638	670.4 997.7	135.6 3444.7	13163 1797456	337.5 18145.0	72.7 354.8	70.0 341.8	67.3 328.7	21.0 445.1

The above systems are samples; diameter, wall thickness, and intermediary sheet piles can be varied to suit your 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.)*	50-80	345-555	A 572 Grade 55	55	380			
A 690	50	345	A 572 Grade 60	60	415			
			A 572 Grade 65	65	450			
			A 690	50	345			
			A 690**	57	390			

*Availability is dependent on pipe diameter and thickness. **Not available for 37-700 and larger.

Corner Piles



Delivery Conditions & Tolerances

ASTM

EN 10248

Pipe Piles:

Outside Diameter	± 1%
Weight/Thickness	- 5%
Length	± 1 inch

AZ Sheet Piles

Mass	± 2.5%		± 5%
Length	+ 5 inches	- 0 inches	± 200 mm
Height			± 7 mm
Thickness			≤ 8.5 mm ± 0.5 mm
			> 8.5 mm ± 6%
Width			± 2%
Double Pile Width			± 3%
Straightness			0.2% of the length
Ends out of Square			2% of the width

Maximum Rolled Lengths*

AZ	102 feet	(31.0 m)	
Pipe	100 feet	(30.5 m)	
C 9	59 feet	(18.0 m)	(Length does not restrict wall height)

* Longer lengths may be possible upon request.