



Pipe S Pile System	Properties of Pipe Pile				Properties of Combined Wall					
	Outside Diameter (mm)	Wall Thickness (mm)	Pipe Weight (kg/m)	Radius of Gyration (cm)	System Width (m)	System Inertia (cm ⁴ /m)	Section Modulus (cm ³ /m)	Weight (S Pile Length/ Pipe Length)		Cross Sectional Area (cm ² /m)
								100% (kg/m ²)	80% (kg/m ²)	
PS 813-10.0/10	813.0	10.0	225.0	26.7	2.31	109,960	2,705	162.7	147.4	207.3
PS 813-12.5/10	813.0	12.5	274.0	26.9	2.31	130,950	3,220	184.0	168.6	234.4
PS 813-14.2/10	813.0	14.2	317.0	27.0	2.31	145,000	3,570	198.2	182.8	252.5
PS 914-10.0/10	914.0	10.0	250.0	30.2	2.41	141,405	3,095	166.4	151.6	212.0
PS 914-12.5/10	914.0	12.5	305.0	30.5	2.41	170,270	3,725	189.2	174.4	241.0
PS 914-14.2/10	914.0	14.2	342.0	30.6	2.41	189,620	4,150	204.5	189.8	260.5
PS 1016-10.0/10	1016.0	10.0	275.0	33.8	2.52	178,765	3,520	169.0	154.9	215.3
PS 1016-12.5/10	1016.0	12.5	336.0	34.1	2.52	216,970	4,270	193.2	179.1	246.1
PS 1016-14.2/10	1016.0	14.2	378.0	34.2	2.52	242,620	4,775	209.9	195.8	267.4
PS 1220-10.0/10	1220.0	10.0	325.0	41.0	2.72	274,405	4,500	175.0	161.9	222.9
PS 1220-12.5/10	1220.0	12.5	399.0	41.3	2.72	336,385	5,515	202.2	189.1	257.6
PS 1220-14.2/10	1220.0	14.2	449.0	41.4	2.72	378,090	6,200	220.6	207.5	281.0
PS 1220-16.0/10	1220.0	16.0	502.0	41.5	2.72	421,860	6,915	240.1	227.0	305.9
PS 1420-10.0/10	1420.0	10.0	375.0	48.0	2.92	394,355	5,555	180.1	167.9	229.4
PS 1420-12.5/10	1420.0	12.5	461.0	48.3	2.92	486,120	6,845	209.6	197.4	267.0
PS 1420-14.2/10	1420.0	14.2	519.0	48.5	2.92	547,960	7,720	229.4	217.3	292.2
PS 1420-16.0/10	1420.0	16.0	581.0	48.5	2.92	612,940	8,630	250.7	238.5	319.4
PS 1420-17.5/10	1420.0	17.5	632.0	48.6	2.92	666,710	9,390	268.1	256.0	341.5
PS 1620-12.5/10	1620.0	12.5	523.0	55.4	3.12	669,805	8,265	216.0	204.6	275.2
PS 1620-14.2/10	1620.0	14.2	589.0	55.5	3.12	756,350	9,340	237.2	225.8	302.2
PS 1620-16.0/10	1620.0	16.0	660.0	55.6	3.12	847,385	10,460	260.0	248.5	331.2
PS 1620-17.5/10	1620.0	17.5	719.0	55.6	3.12	922,775	11,390	278.9	267.4	355.3
PS 1620-20.0/10	1620.0	20.0	816.0	55.7	3.12	1,047,480	12,930	310.0	298.5	394.9
PS 1820-14.2/10	1820.0	14.2	659.0	62.6	3.32	1,004,370	11,035	244.0	233.3	310.8
PS 1820-16.0/10	1820.0	16.0	739.0	62.7	3.32	1,126,440	12,375	268.1	257.4	341.5
PS 1820-17.5/10	1820.0	17.5	805.0	62.7	3.32	1,227,600	13,490	288.0	277.2	366.9
PS 1820-20.0/10	1820.0	20.0	915.0	62.7	3.32	1,395,070	15,330	321.1	310.4	409.0
PS 2020-16.0/10	2020.0	16.0	818.0	69.7	3.52	1,451,060	14,365	275.3	265.2	350.7
PS 2020-17.5/10	2020.0	17.5	891.0	69.8	3.52	1,582,240	15,665	296.0	285.9	377.1
PS 2020-20.0/10	2020.0	20.0	1013.0	69.8	3.52	1,799,560	17,815	330.7	320.6	421.3

Notes: Data based on ESC S10 Infill Pile. Other infill piles are available and custom design can be provided on request.

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