

P35 Series 3-1/2" (Schedule 80) Helical Steel Pipe Piles

New MacLean-Dixie 3-1/2" "Strength Squared™" Helical Pipe Piles/Anchors for Compression and Tension Applications (Patent Pending)



P35 Series 3-1/2" (O.D.) Schedule 80 Steel Pipe Pile	
Torque Capacity (ft-lbs)	15,000 ft-lbs
Ultimate Mechanical Axial Shaft Capacity	120 KIP
Ultimate Tension/Compression Geotechnical Capacity (pounds-force)	105/105 KIPS (52.5/52.5 tons)
Pipe Pile O.D. (inches)	3-1/2"
Pipe Pile Wall thickness (inches)	Schedule 80 (.300" wall)
Pipe Material	ASTM A500 Grade B
Helix Material	AISI Grade 1011/1018 HSLA 55
Coupling Material	AISI 862002 ASTM A-958 SC1045
RCS lead option for combo pile	1-3/4" RCS



ISO9001:2008
Certificate # QSR-938



Building Solid Foundations

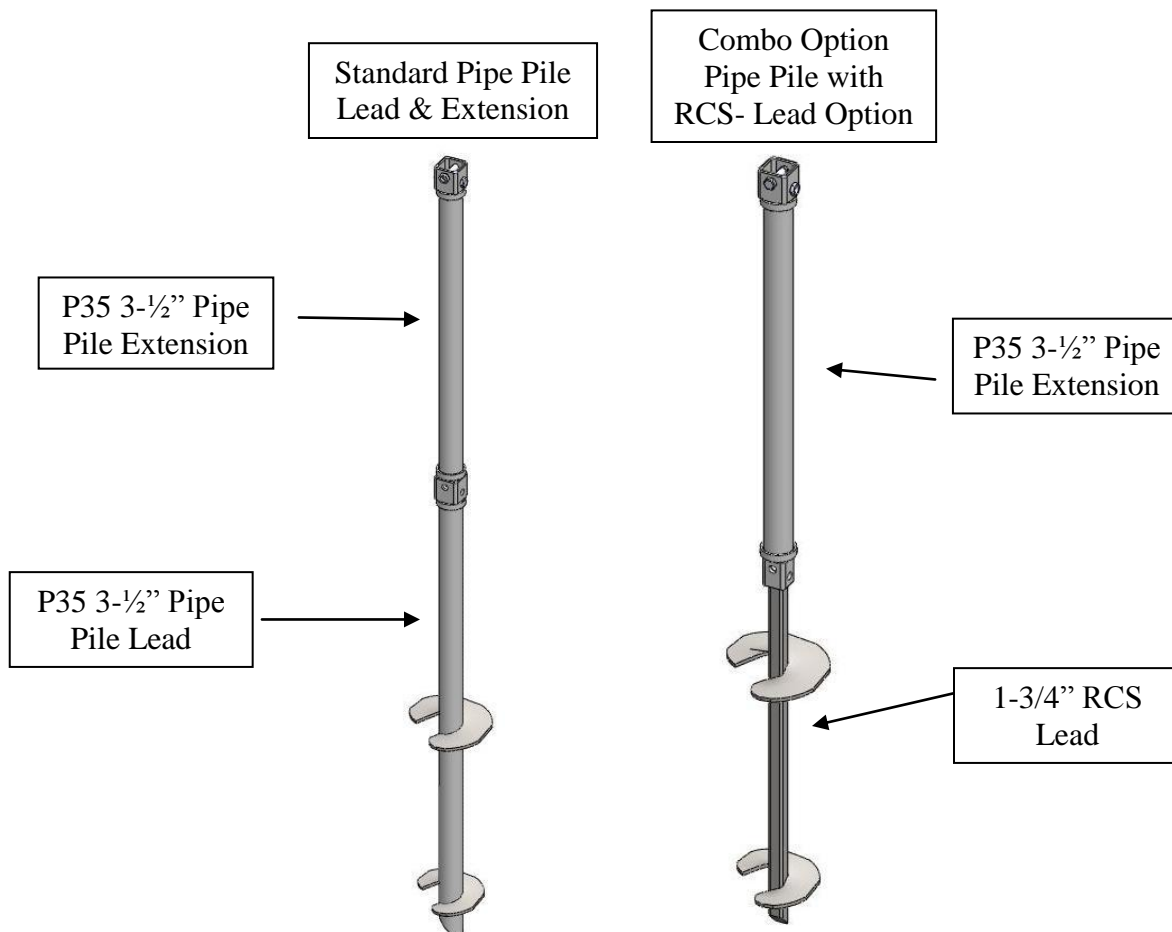
11411 Addison Avenue • Franklin Park, IL 60131
T: (847) 455-0014 F: (847) 455-0029 • www.macleandixie.com

P35 Series 3-1/2" (Schedule 80) Helical Steel Pipe Piles

Combo Piles

The MacLeanDixie Strength Squared™ coupling system is a versatile system that provides additional flexibility and economic value by combining the benefits of a RCS (Round Corner Square) lead with the column strength of the pipe pile.

The MacLeanDixie D10 series 1-3/4" RCS lead can be used to replace the P35 lead. The 1-3/4" RCS lead will facilitate advancing into a tough soil strata with less torque than the pipe pile lead. The P35, 3-1/2" pipe pile extensions are then used to provide greater compression and lateral capacity.



Building Solid Foundations

11411 Addison Avenue • Franklin Park, IL 60131

T: (847) 455-0014 F: (847) 455-0029 • www.macleandixie.com

P35 Series 3-1/2" (Schedule 80) Helical Steel Pipe Piles

MacLean-Dixie "Strength Squared™" coupling system (Patent pending)



2-bolt Cross Connection



Pipe pile and coupling system remains undamaged during installation

Conventional Pipe Piles - Elongated/torn holes with round pipe pile coupling & bolts in shear.



Building Solid Foundations

11411 Addison Avenue • Franklin Park, IL 60131

T: (847) 455-0014 F: (847) 455-0029 • www.macleandixie.com

P35 Series 3-1/2" (Schedule 80) Helical Steel Pipe Piles

MacLean-Dixie Helical Piles and Anchors undergoing rigorous testing at an IAS accredited lab to ICC AC358 Acceptance Criteria For Helical Foundation Systems and Device. Ongoing quality control program per AC10 with inspections by an IAS accredited inspection agency per AC98



Full scale field testing-
compression/tension/lateral



Measuring Deflection



Helix Strength Test



Torsion Testing



Bracket Testing

