

P45 Series 4-1/2” Helical Pipe Piles

New MacLean-Dixie 4-1/2” “Strength Squared™” Helical Pipe Piles (Patent Pending)

- Square engagement coupling system -- no bolts in shear during installation – no elongated or torn bolt holes and no bent bolts during installation as with round pipe couplings
- Bolt holes align for faster assembly – just insert next extension and add bolt. No alignment issues when in tight quarters – improved productivity
- 2-bolt cross connection for increased rigidity
- Flexible coupling system – use pipe or RCS leads for greater flexibility
- Lighter weight extensions – for easier handling
- Greater torque capacity for size – greater performance value
- Available standard black (not-coated) or hot dip galvanized ASTM A-153
- ICC AC358 Acceptance Criteria For Helical Foundation Systems and Devices

| P45 Series 4-1/2” (O.D.) Pipe Pile | |
|---|------------------------------|
| Torque Capacity (ft-lbs) | 18,000 ft-lbs |
| Tension/Compression Capacity (pounds-force) | 100 KIPS (50 tons) |
| Pipe Pile O.D. (inches) * | 4-1/2” |
| Pipe Pile Wall thickness (inches) | Schedule 40 |
| Pipe Material | ASTM A500 Grade B |
| Helix Material | AISI Grade 1011/1018 HSLA 55 |
| Coupling Material | AISI 8620 ASTM A-958 SC1045 |
| RCS lead option | 2” RCS |
| Note: Standard wall thickness. *Other sizes available on request. | |

P45 Series 4-1/2" Helical Pipe Piles



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

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



2-bolt Cross Connection



Pipe pile and coupling system
remains undamaged during
installation

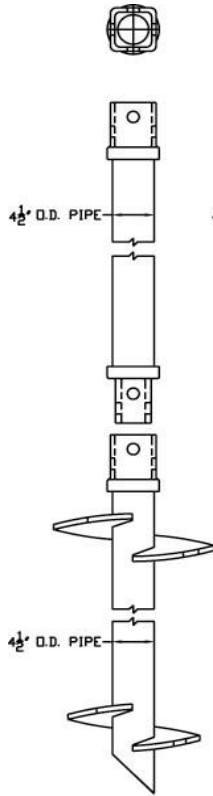


Building Solid Foundations

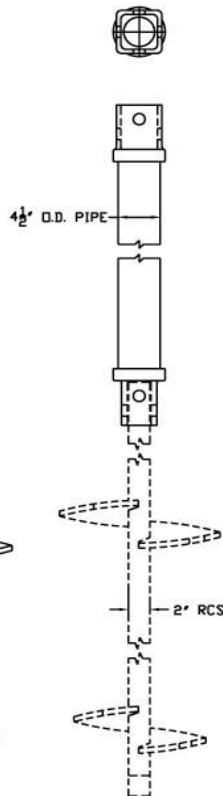
11411 Addison Avenue • Franklin Park, IL 60131
T: (847) 455-0014 F: (847) 455-0029 • www.macleandixie.com

P45 Series 4-1/2" Helical Pipe Piles

Standard Pipe Pile
Lead & Extension



Pipe Pile with
RCS Lead Option



Use the **Pipe Pile with RCS Lead Option** when installing into tougher soils. This option uses less installing torque but offers the increased lateral capacity of the pipe extension.

Install with any combination of MacLean-Dixie 2" RCS lead.

Provides maximum compression capacity with least installing torque.

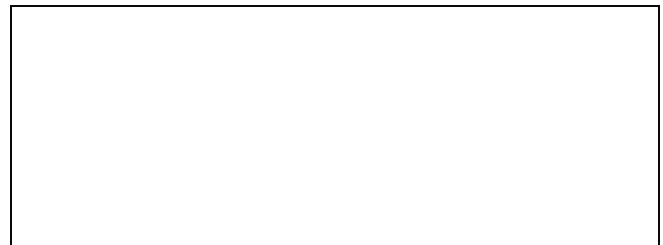
Use for new construction or foundation repair.



Lab & Field tested in accordance to
 ICC AC358 by ICC accredited

P45 Series 4-1/2" Helical Pipe Piles

| Catalog Number* | Description | Weight lbs | Standard Pack |
|--|--|-------------------|----------------------|
| P4584T1014U | 4-1/2" x 84" helical pile with 12-14" (1/2") helix, black | 111 | 15 |
| P4584T1416U | 4-1/2" x 84" helical pile with 14-16" (1/2") helix, black | 122 | 15 |
| P4584T101214 | 4-1/2" x 84" helical pile with 10-12-14" (1/2") helix, black | 121 | 15 |
| P45E64U | 4-1/2" x 64" extension, black ** | 73 | 25 |
| P45E84U | 4-1/2" x 84" extension, black ** | 91 | 20 |
| P45E124U | 4-1/2" x 124" extension, black ** | 127 | 15 |
| Note: Standard black (not galvanized). Remove "U" for galvanized, * Other available sizes on request | | | |
| ** Add suffix "X" for extension with transition to connect with 2" RCS lead | | | |



Building Solid Foundations

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