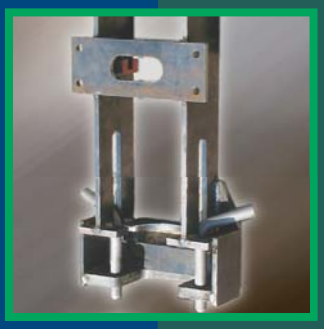
Resistance Piles

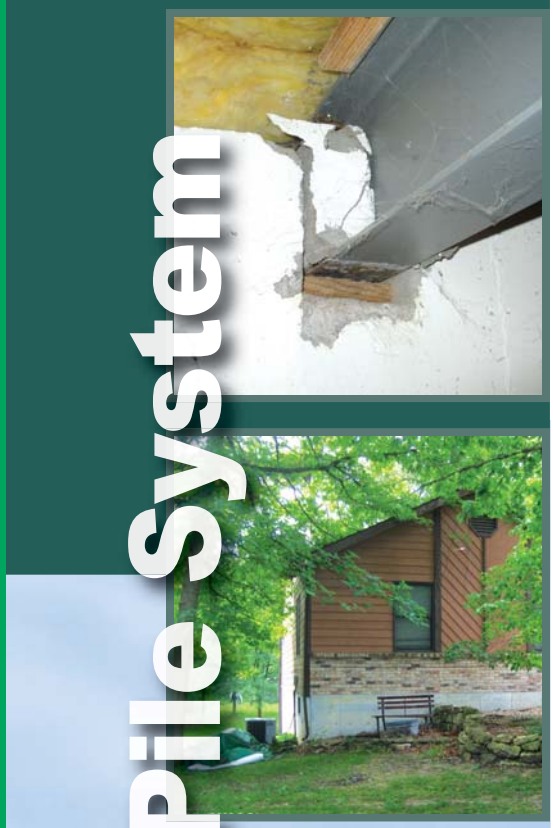


Rebuilding a solid foundation

The repair solution you can depend on

MacLean Dixie HFS™

Building Solid Foundations



Resistance Pile System

MacLean Dixie HFS™

Building Solid Foundations

Finally, a repair system that meets *your* needs as well as your foundation's.

Cracked foundations, floor slabs or chimneys. Windows and doors that stick or rub. When the soil around your home shifts, it can cause uneven settling of the foundation—and costly damage. MacLean-Dixie's deep foundation repair system can stabilize your home against further problems and movement, and put your mind at ease.

Excavated 3' x 4' hole to foundation base

MacLean-Dixie Resistance Piles—the solution you can depend on.

MacLean-Dixie has created a proprietary system that can actually reposition and stabilize your foundation. High-strength steel pipes are hydraulically pushed down through the soil until they reach load-bearing soil or bedrock. Once the piles are in place, they act as the new foundation supports to stabilize your home.

Installs quickly in any weather condition.

Small areas where the resistance piles will be placed are excavated instead of your entire foundation. Cast-iron brackets are anchored to the base of the foundation. A series of steel resistance piles are pushed down through the bracket into the soil using a hydraulic powered cylinder. The load-bearing capacity is confirmed with the calibrated measuring gauge for every installed pile. Once the connected series of piles have reach the required capacity, the load is then transferred to the installed pile.

Pile is hydraulically driven to reach load-bearing soil

At MacLean-Dixie, we never settle for seconds. And neither should you.

Some companies use parts made from inferior steel that's either "used" or "seconds", which could be prone to failure down the line. Not MacLean-Dixie. Every one of our parts are made from only first-quality steel using a specific formulation of properties guaranteed to meet mill certifications as well as ASTM A-36 and ASTM A-513 specifications.


Jack transfers the load to resistance pile

Every shipment of steel we receive must have written certification to prove it has been tested to meet these strict strength, content and quality standards.

Easy for your installer. Easy on your wallet.

At MacLean-Dixie, we have designed our resistance pile system for the utmost ease of installation, from the tools required to our mechanical components. Your installer will need less time to complete the repair.

Maclean-Dixie's Resistance Pile System.

- **Minimal disruption of your landscaping**—compact tools mean only a small hole needs to be excavated
- **No vibration**
- **Latest technology design**—one piece manufactured bracket. No welds
- **Cast-iron bracket carries up to 100 KIP** (or 100,000 lb. load)
- **8-point crimped coupling using proprietary in-house technology**—no welding to pipe insuring maximum pile performance
- **Simple locking system** permanently anchors foundation bracket and transfers the load to the pile
- **All pipe material is U.S. sourced** and certified to ASTM A1011 grade 55
- **Lightweight tools** let the installer move quickly from hole to hole
- **MacLean-Dixie installers are classroom and field installation certified by the manufacturer**

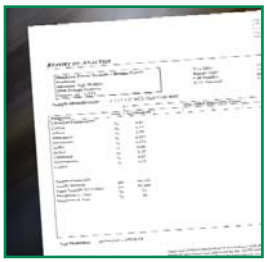
Trust the experts.

Our products are not the only things that are topnotch. Every installer that uses MacLean-Dixie resistance piles has been thoroughly trained and certified to ensure that your foundation repair is done correctly. Plus we provide one of the most extensive engineering manuals to support our installers—because MacLean-Dixie cares as much as you do.

MacLean-Dixie Resistance Pile Specifications

Bracket—patent pending

The support bracket has a minimum ultimate strength of 100,000 lbs. with 2-to-1 safety factor. The working load is 50,000 lbs.



Certified documentation

MacLean-Dixie resistance pile foundations are manufactured from steel materials with certified documentation of properties guaranteed.

Extensions with couplings crimped together

Fast, efficient and secure. No welds.

Installation components

MacLean-Dixie resistance pile extension pipes are inserted and driven down to reach load-bearing soil or bedrock using a hydraulic cylinder. Load transfer is completed using a hydraulic jack.

MacLean Dixie HFS™

Building Solid Foundations

MacLean-Dixie.

Built on a solid foundation.

MacLean-Dixie is part of MacLean-Fogg, a diversified international manufacturing enterprise with more than half a billion dollars in sales. A result of the acquisition and merger of Joslyn and Dixie, two prominent soil anchor manufacturers, MacLean-Dixie is now one of the leading suppliers of steel deep foundation systems for use in residential, commercial and marine applications. Our comprehensive product line for residential and commercial applications includes engineered solutions for tension, compression and structural stabilization in many different soils.

Quality that is second to none.

Why do installers and engineers across the nation choose MacLean-Dixie products time and time again? Perhaps it is because our impeccable quality standards and rigorous testing procedures ensure that our products are second to none.

Materials are traceable to the steel mill.

We can trace every lot of steel back to the original mill that produced it. So we know that the chemistry, plus physical and dimensional properties are in accordance to our stringent standards.

State-of-the-art fabrication.

With one of the largest manufacturing facilities in the industry, we're equipped to turn products around faster, more efficiently and more cost effectively.

Visit www.MacLeanDixie.com for more information and technical specifications.

MacLean Dixie HFS™

Building Solid Foundations

MADE IN THE USA

11411 Addison Avenue
Franklin Park, IL 60131
Phone: 847.455.0014 Fax: 847.455.0029

MacLean-Dixie Resistance Pile Specification

(U.S. Patent Pending)

Bracket:

100 KIP (50 ton) ultimate rating

ASTM A536 grade 654512 ductile iron casting

Black (not coated) is standard or hot dip galvanized ASTM A-153

2.875 Resistance Pile:

2-7/8" O.D. pipe-wall thickness 0.165"

60 KIP (30 ton) ultimate compression

30 KIP (15 ton) working compression

Material: ASTM A1011 grade 55

Coating: Black (not coated) is standard or hot dip galvanized ASTM A-153

3.500 Resistance Pile:

3-1/2" O.D. pipe-wall thickness 0.165"

85 KIP (42.5 ton) ultimate compression

42.5 KIP (21.25 ton) working compression

Material: ASTM A1011 grade 55

Coating: Black (not coated) is standard or hot dip galvanized ASTM A-153

For more information please contact your local MacLean-Dixie Distributor.