

Designed to Support

History

Founded in 1981, Magnum Piering was one of the very first foundation repair system manufacturers in the United States. The Magnum Hydraulic Push Piering System was the company's flagship product line and we have been building on this success for over 35 years. Our story continued to reach new heights in 2017 with the opening of our new manufacturing facility located in Cincinnati, Ohio. This equips us to be at the forefront of cutting-edge foundation product development.

Support

We know that your success is greatly influenced by the support we provide. We are always available to assist with product designs, technical support, engineering services and sales support. Our Installer Certification process consists of a one day classroom training session and one day on-site training with our field support engineer on one of your project locations.

Response

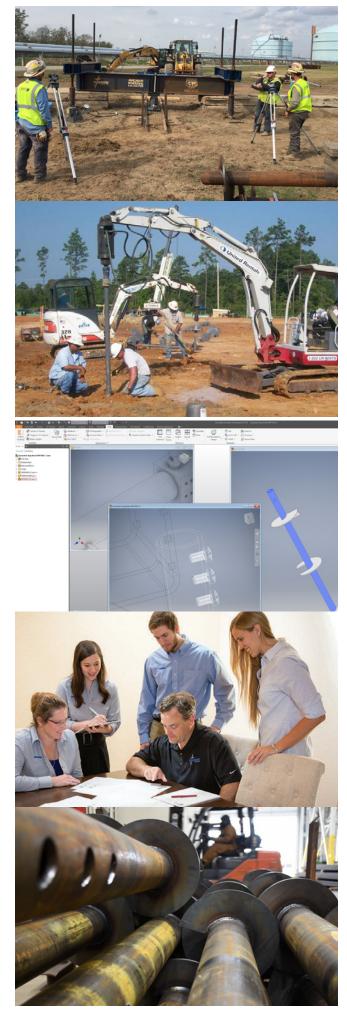
Providing the best, most accessible and responsive team of engineers in the industry is what it takes to be an industry leader. Our entire support team will be available to you whenever it is needed.

Engineering Team

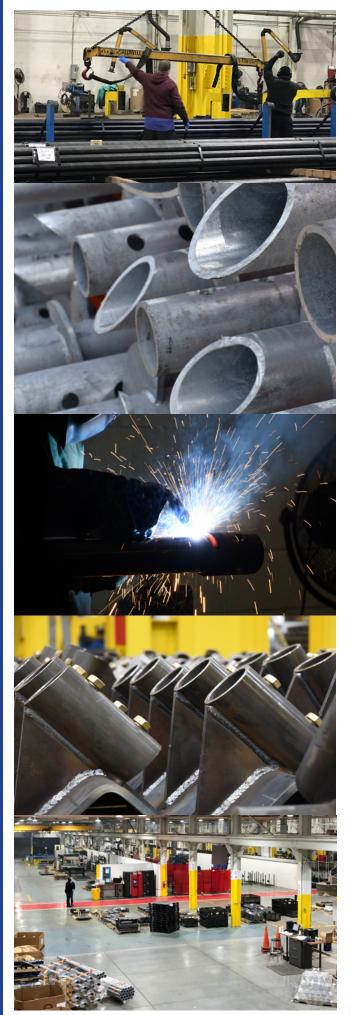
Magnum Piering employs a team of structural and geotechnical engineers that are ready and willing to help with project submittals and design-build support for foundation, shoring, underpinning, repair and earth retention projects. Magnum Piering's engineers are licensed in 37 states and 1 Canadian province. We also frequently provide support and advice to other engineers and architects working throughout the world.

Director of Engineering

Magnum employs the best in the business when it comes to deep foundations. Dr. Howard Perko PE has been studying deep foundation solutions for over 25 years. He has authored the ONLY textbook currently available on helical pile design and installation. As a co-author of the ICC-ES AC358, the originating author to IBC2009 regarding helical piles, a previous chairman for helical piles within DFI, and current board of trustee member of the DFI, Howard is an asset to all of our installers.







Quality and Trust



ICC-ES Proven

The International Code Council develops the model codes and standards used in the design, build and compliance process.

This is important to pile installers because it ensures

through independent testing that the load capacities the manufacturers claim are true. Multiple Magnum products are supported by an ICC report, with more coming in the future. All of our products are built to meet or exceed ICC-ES AC358 standards.



ISO 9001:2015

We have established and maintained the uniform quality management system standards set forth by the International Organization for Standardization (ISO). This allows us to ensure the consistent high quality products our installer's have come to expect.

On Time

We take pride in being capable to ship our most common products within 24-48 hours due to our on-site inventory program. Products not in stock or large orders can be produced quickly in our our state-of-the-art 100,000 square foot manufacturing facility.

Better Stee

All of our 3.00" diameter helical pile and push pier products and many of our other products are manufactured from ASTM A513 steel tubing. This premium steel tubing has higher carbon and alloy content, which gives the steel greater strength. A513 tube is also manufactured with much higher tolerances than ordinary pipe to provide a tighter fit. The entire Magnum product line is manufactured using only new US steel that qualifies for all "Buy American" projects.

Trust

Magnum warrants its products, parts, and components to be free from defects in materials for a period of 10 years from the date of sale. We warrant our workmanship as well, so you can trust all of Magnum Piering's products to be the best possible. See our full warranty statement at www.magnumpiering.com.

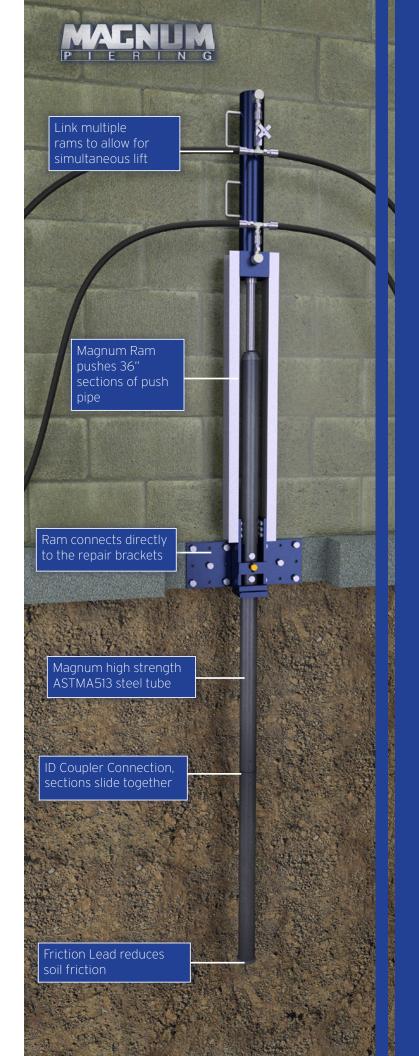


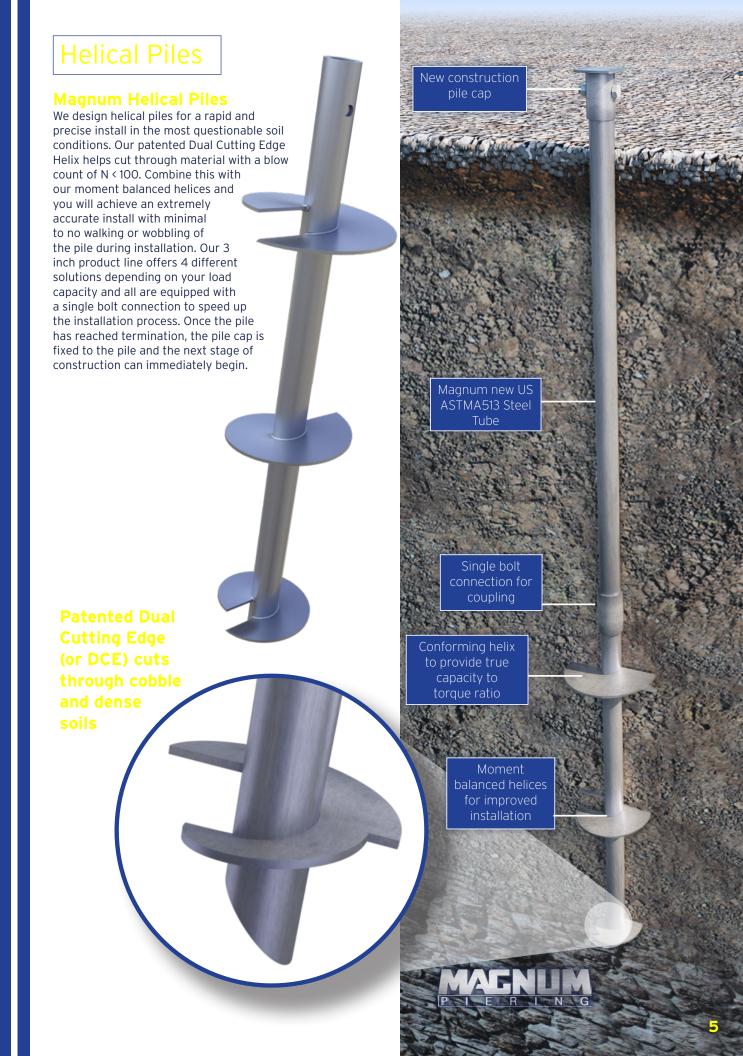
Why Magnum Push Piers

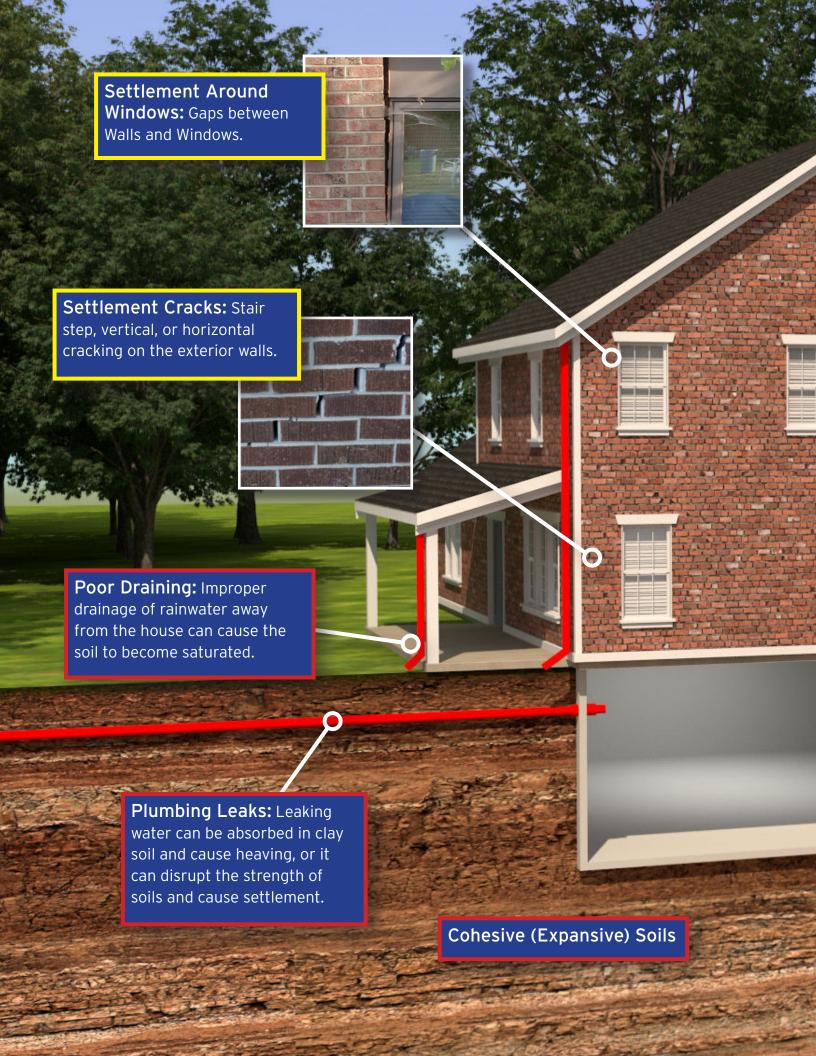
Magnum has worked with our engineers and installers from around the country to continuously improve our system in order to provide the fastest and highest quality push pier system available. When you utilize our plate bracket during your install, it completely eliminates digging under the footer. Our entire line of foundation brackets attach to the faced footer with expansion anchors. The Magnum ram simply fastens to the bracket by use of a safety bolt. Once the ram is safely secured to the bracket, you can begin driving one of our push pier sections. The ID coupler makes for quick install as the tubing slides together and transfers the weight from one section to the next evenly. After reaching and testing a load bearing stratum, the structure can be simultaneously lifted with the same rams the piers were driven with. When the lift or stabilization is complete, the Magnum Lock Off System makes for an easy completion of the pier. With the ram still attached, the installer drills directly into the pier through predrilled holes in the collar. After fastening 1 to 3 bolts to ensure no movement of the pier, remove the rams and your job is complete. Cut install times by up to half using Magnum Push Pier Systems.

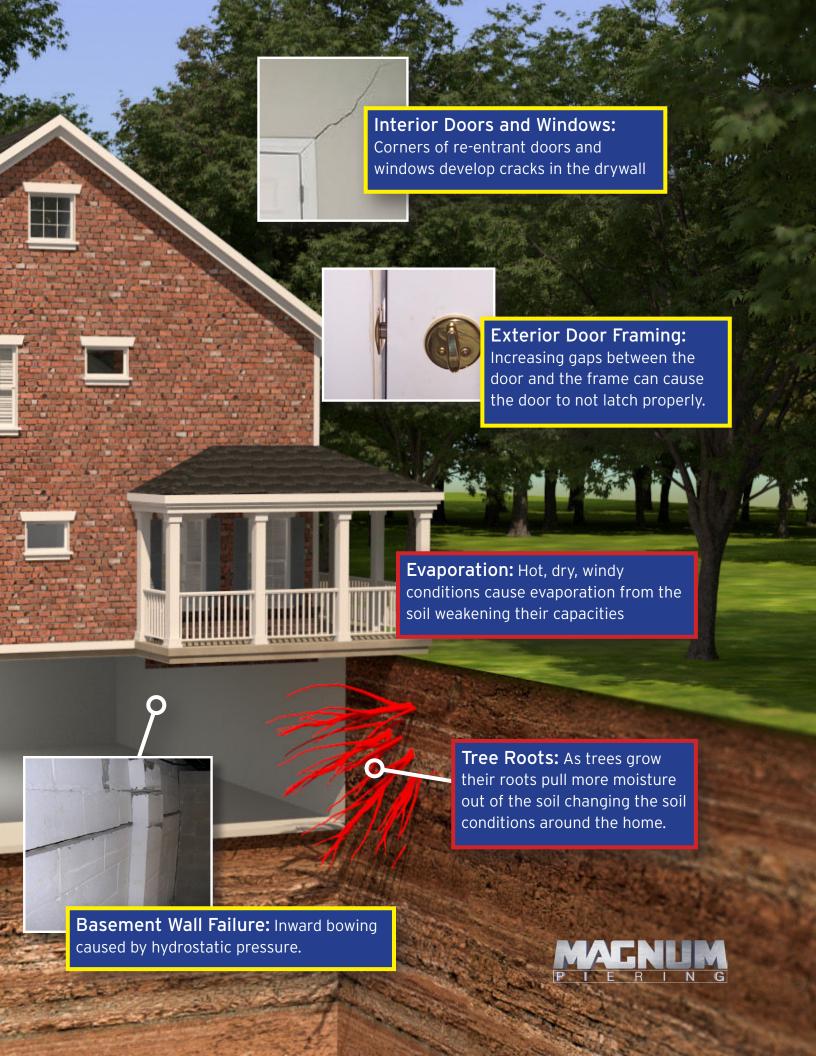
How it works:

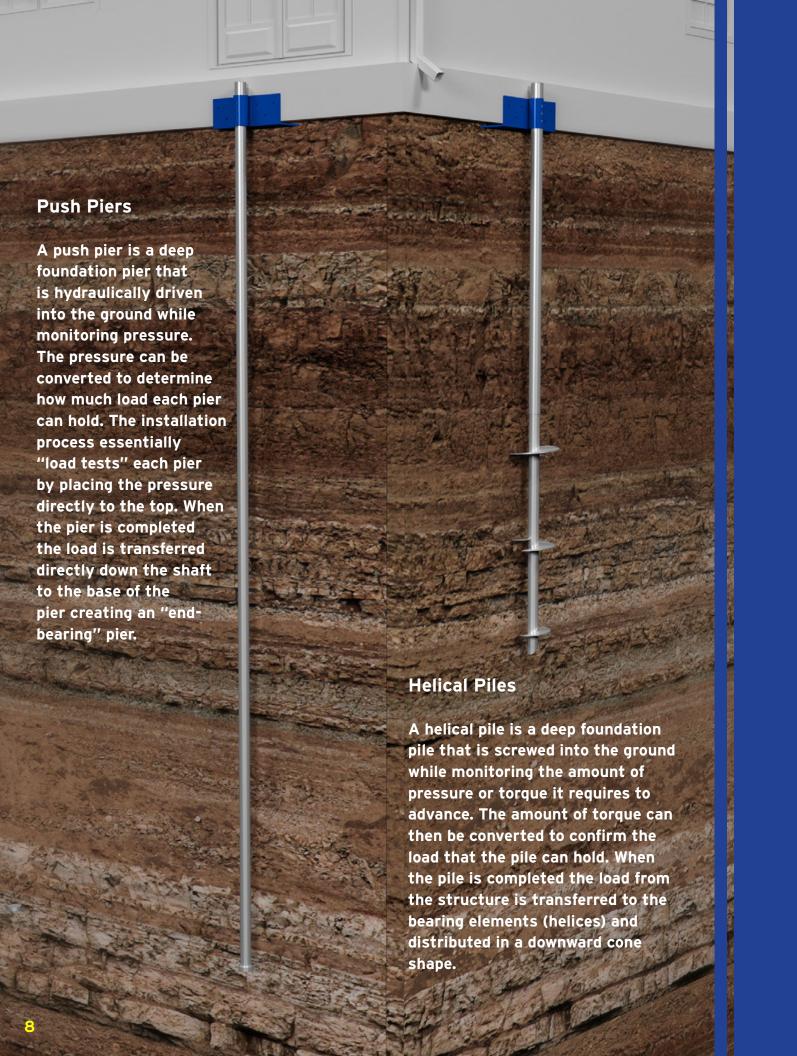
- 1 Expose and face footer even with the load bearing wall.
- Fasten the bracket to the footer using the proper amount of wedge anchors for the load.
- 3 Secure the ram to the bracket with a safety bolt.
- Drive the 36" pier sections connecting them with the ID coupler system
- Once load bearing stratum is reached and has been held, use the same ram to lift the structure.
- After all piers are driven and tested, the same rams can be used to lift the structure.
- 7 Drill pier and lock in place using the proper amount of bolts for the load.











Underpinning

Magnum helical piles are a great option for underpinning if you are dealing with a lightweight structure such as a screened-inporch or when push piers are being driven deeper than expected. After the footer has been exposed and faced you simply screw the pile into the soil until you achieve the required torque to support the load. Slide the bracket down the tube and fasten to the footer using the proper anchors. You can now use your Magnum Ram to lift the structure and lock it off simply with the Magnum Lock Off System. If you are not equipped with a Magnum Ram you can utilize the lifting bracket with the helical piles to repair the foundation.



Lifting Bracket

- Gusseted Angle Bracket with lifting assembly attached
- Lock off pile using the T-Bar or Magnum Lock Off System for convenience





Tie Back Anchors

Tie-back anchors provide a solution to bowing basement walls and failing retaining walls. Tie-back caps combined with Magnum helical piers transfer the tension of the load back into the soil preventing walls from failing. The Magnum Support Team will ensure that you have the correct combination of helical pile and tie-back cap for all of your jobs.

Soil Nail

Soil nailing is the process of using helical shafts to reinforce slopes or blocks of soil for earth retention and stabilization. Helical bearing plates are spaced along the entire length of the shaft for continuous bonding with the soil. Soil nails permit the use of a relatively thin shotcrete or steel mesh (as seen below) to prevent raveling between nails. With a fixed length, it also allows for use of an integrated thread bar adapter. Installation is very quick with no waiting for grout to set and there are no issues with caving soils and/or ground water.



