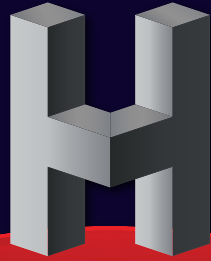


Helical Pier System



Waterproofing &
Foundation Repair



What is a Helical Pier?

A pile or pier is a vertical structural element used to provide support and transfer loads to the ground to prevent excessive settlement or structural failure.

Helical piers contain helical plates that make them look like giant screws. This shape allows them to be hydraulically rotated into the ground without applying any force to your foundation, and a pressure gauge system determines when the required depth is met.



Don't ignore the signs of stress to your home's foundation. Putting this off will only lead to more costly repairs in the future.



Leaning Chimney



Foundation Settling



Cracked Foundation Walls



Cracked Interior Walls



Cracked & Sagging Floors

Installation Steps

1.

Our certified installer will inspect the condition of your home's foundation.



Underpinning Installation

5.

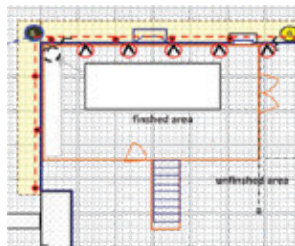
Helical piles are hydraulically screwed into the ground to a depth where the prescribed installation torque is achieved. Once the pile reaches final depth and the design capacity, a bracket is installed to secure the pile to the foundation.

6.

The final step utilizes a series of hydraulic jacks to transfer the weight of your home to the pile system. The jacks are then removed, leaving the structure securely supported on the piles.

2.

You will receive a customized foundation repair plan.



Before



After

3.

Your home is prepared for the new foundation support system.



Excavation

4.

Helical piles and brackets are selected and spaced at proper intervals to support the load of your home.



Installation Preparation

Components

Depending on your soil and required capacity, the helical pier will be round or square shaft and contain single, double, or triple helix set up.

Lead Helix & Extension(s)

Foundation Bracket



Square Shaft

Round Shaft



All components are hot-dip galvanized to increase product life in aggressive soils.

Common Causes of Foundation Settling

Inadequate Drainage

One in every four homes in the United States rest on expansive soils.



Poor drainage is a major factor contributing to expansive soils due to over saturation.

Highly Expansive Soil



An unstable base for your home's foundation will result when expansive soils contract or shrink when moisture evaporates or drains from the ground.

Helitech's Helical Pier System provides a smart, cost-effective solution for sinking foundations.



Before: Gap allowing moisture and pest intrusion.



After: Gap Closed

Life happens in your home. We believe you and your home deserve the best. Grounded in our commitment to faith and family first, our trusted team has been caring for homes just like yours since 1987. We offer effective and permanent waterproofing and foundation repair solutions that will withstand the life of your home; **this is our Helitech Promise.**



HELITECH Waterproofing & Foundation Repair

Healing Homes Since 1987

helitechonline.com | 800-246-9721

