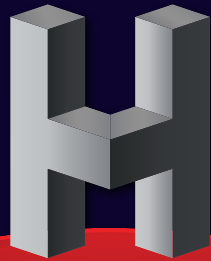


# Resistance Pier System



Waterproofing &  
Foundation Repair



# What is a Resistance 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.

A resistance pier, also known as a push pier or underpinning, is a foundation repair system that uses hydraulic pressure to drive steel pipes into the ground to stabilize and lift settled or moved foundations.



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

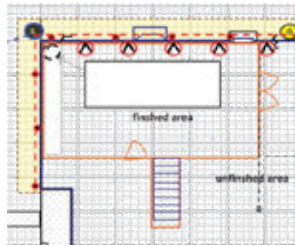
1.

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



2.

You will receive a customized foundation repair plan.



3.

Your home is prepared for the new foundation support system.



Excavation

4.

Resistance Piers are selected and brackets are spaced and attached at proper intervals to support the load of your home.



Installation Preparation

5.

The Resistance Steel pier is driven, under controlled hydraulic pressure, to a depth that is capable of supporting the weight of your foundation.



Underpinning Installation

6.

Rigorous, on-site load tests are conducted to assess the capacity of each pier. This ensures the load is properly supported immediately after the pier is installed.



7.

At each pier location, controlled hydraulic pressure is used to transfer the load of your foundation to the Resistance Pier System.

## Components



Pier Pipe Sections

Friction Reduction Collar

Under Footing Bracket

Or...



Optional Wall Plate Bracket

# 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 Resistance 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**

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