

Helical Piers

EXISTING STRUCTURE AND PRE-CONSTRUCTION STRUCTURAL STABILIZATION

Deep Foundation Solution

Helical Piers are an excellent choice for pre-construction or stabilizing existing commercial and residential structures that have been either damaged due to settlement or are beginning to experience settling issues. Helical Piers are also used as tiebacks to prevent further movement of retaining walls or sea walls.

The main function of Helical Piers is to support and stabilize foundations and the structure. This is accomplished by transferring the weight of the structure from the loose or weak soils and onto the Helical Piers embedded into a deeper and more dense stratum.

Advantages

- Uplift Prevention
- Equipment is Non-Invasive
- Fast Installation
- Immediate Load Bearing
- Limited Excavating
- Unlimited Depth
- No Vibration Affecting
Nearby Structures

Installation Procedure

For pre-construction projects, the helical piers are driven into each location and the specific depths as determined by the engineer. Top plates are welded or bolted onto the top of each pier which will then be encased into the slab or footer system.

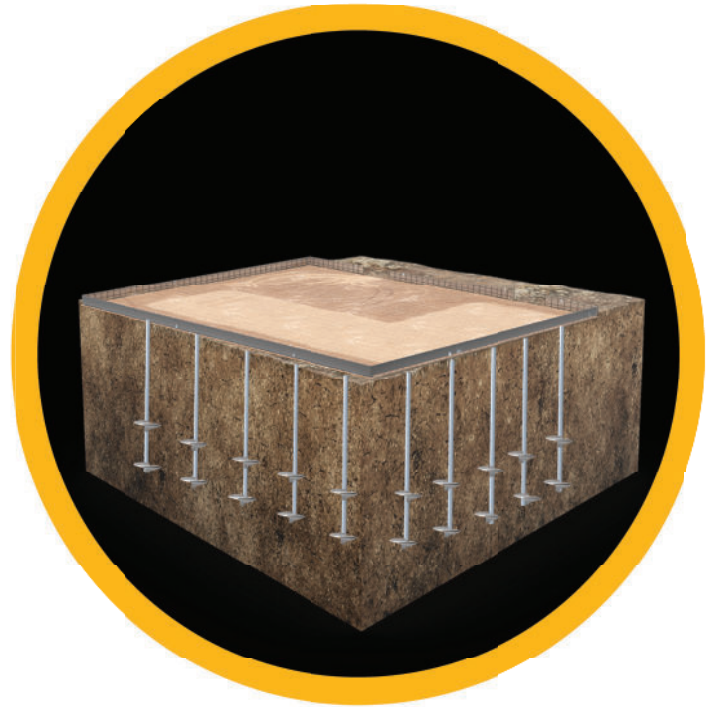
For existing structures, the soil around the foundation is excavated to expose the footing at each pier location. Steel helical piers are hydraulically driven into the soil to the depths predetermined by the engineer's recommendations. Once the piers and brackets have been installed, the settlement of the foundation will be permanently halted.



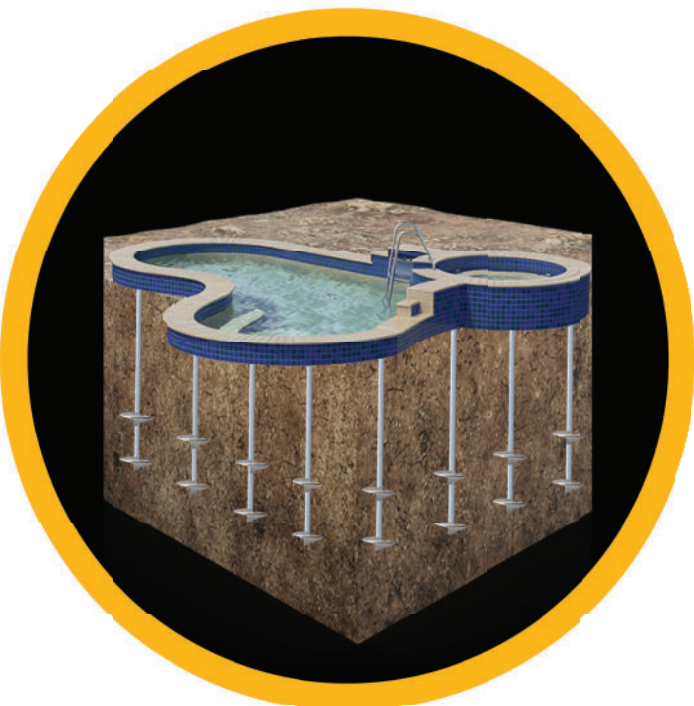
Helical Pier Applications



Home Foundations



Pre-Construction



Swimming Pools



Decks and Additions