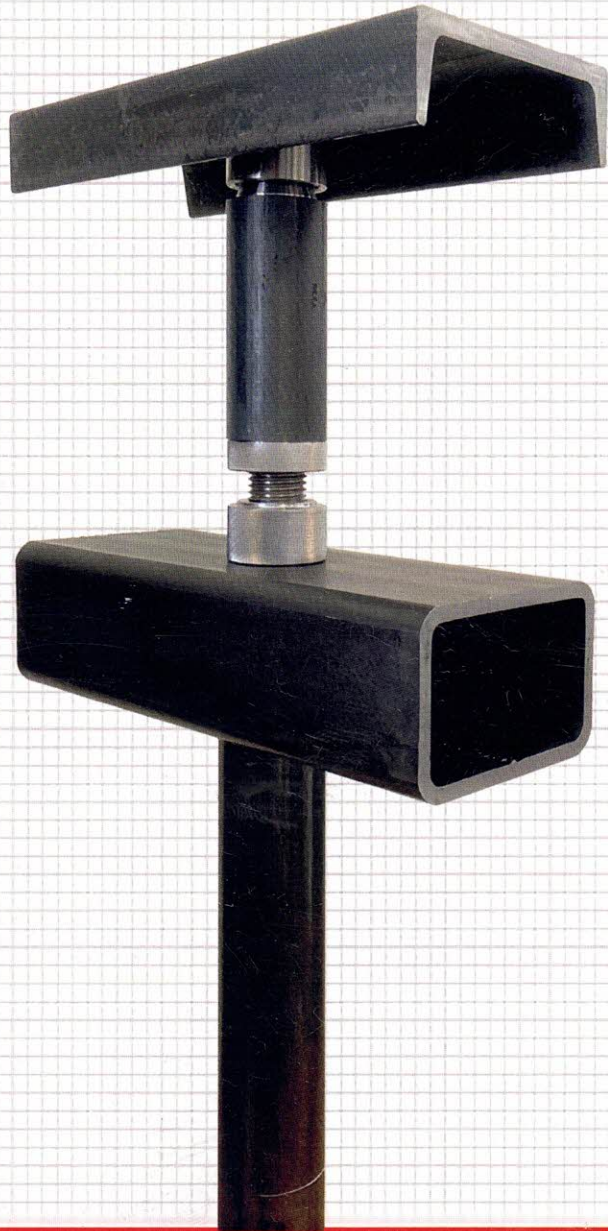
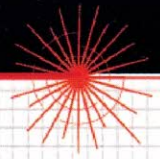


Stratos Pier®

Engineered to work under pressure



Solid Steel Parts

Machined Precision

Concentrically Loaded

Unicentrically Placed

Drives Deep

Zero Failures

Lifetime Warranty

Made in America

Stratos Pier System LLC

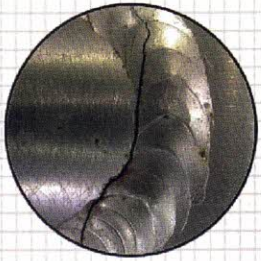
For Residential and Light Commercial Applications

Authorized Installer of the Stratos Pier

www.stratospier.com

The Stratos Pier Advantage

Patent Pending Technology combined with Superior Strength



Weldless Construction

Welds corrode and fail. No welds means a stronger, longer lasting pier.



Fully Adjustable

Our Torsion Block slides up to meet the footing and locks permanently in place.



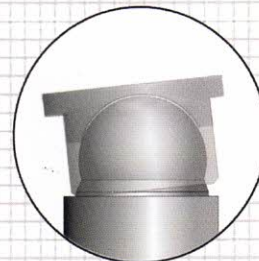
Machined Coupler

Our Segment Coupler is machined for unmatched precision and strength.



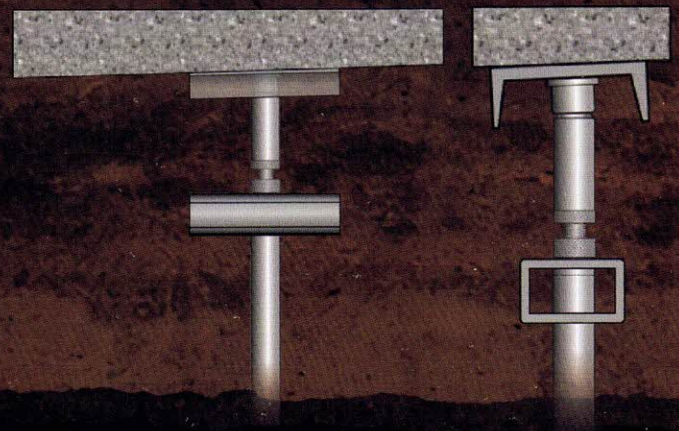
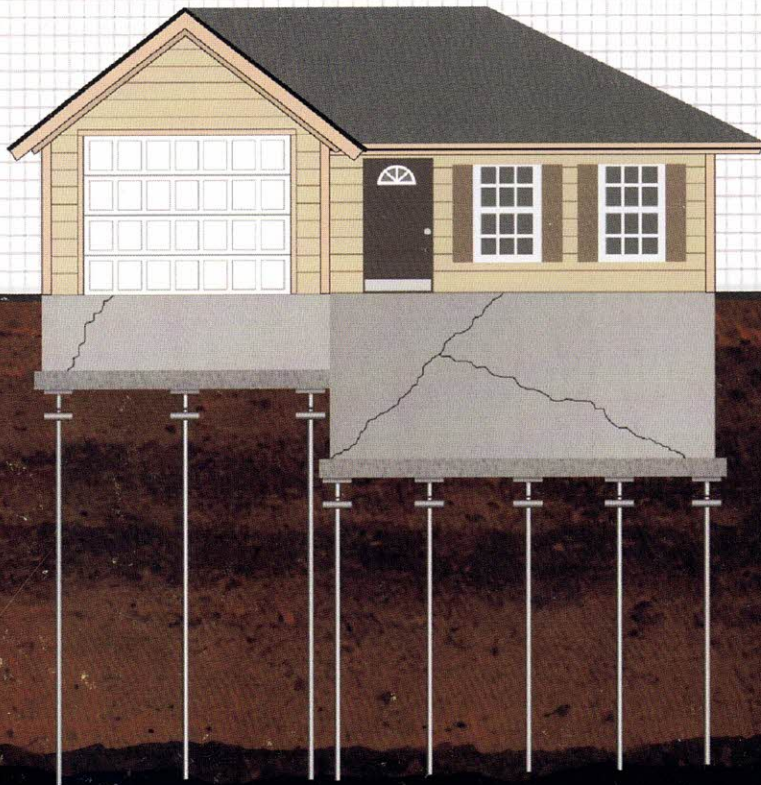
Concentric Loading

Our Double Step Bushing accomplishes flawless concentric loading.



Rotating Torsion Joint

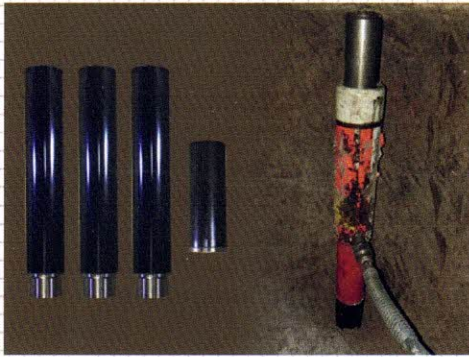
Our Torsion Joint rotates for a perfect install, even when the footing is not perfect.



www.stratospier.com

The Basics of Pier Installation

Statos Pier can be installed from the interior or exterior of a structure



Driving Pier



Lifting Structure



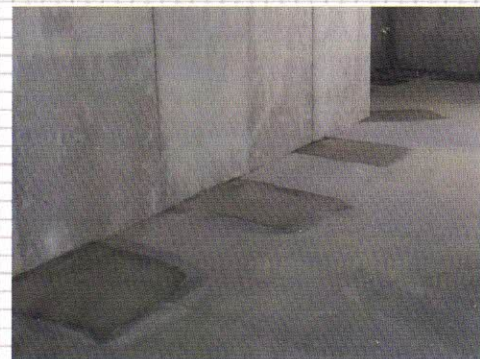
Lifted Structure



Completed Pier



Soil Replaced



Concrete Replaced

The method of installing piers is similar in most applications across the US.

There are two key things you need to do, to ensure a good piercing project.

- 1) Use a strong, engineer approved pier, and install to manufactures specs.
- 2) Hire a trained and certified contractor that is authorized by the pier manufacturer.

Stratos Pier Systems

Manufacturer's Limited Lifetime Warranty

Stratos Pier Systems L.L.C. Does warranty this product against defects in both the materials used and the workmanship of the manufacturing process for the life of the product. If any part of the Stratos Pier System is proven to be defective upon inspection, Impact Piering Systems L.L.C. will replace the defective part at no cost to its installer or the end user. This limited lifetime warranty will not cover any defects or damages resulting from improper installation, generic parts, abuse, unapproved modifications, or unauthorized installation. This pier is designed for residential and light commercial projects only. Stratos Pier Systems is not liable for any fiscal damages that exceed the original purchase price of the product. This warranty gives you specific rights and you may have other rights that vary from state to state.

Property Address _____

Date _____

Company Officer

Company Officer

5557 Raytown Rd. Raytown Mo. 64133

Stratos Pier Guarantees

- Lifetime Warranty
- Engineer Certified
- Meets ASTM Stds
- Made in America
- Customer Support
- American Steel
- Fully Inspected
- Trained Installers
- All Residential
- Light Commercial

For Questions Call 816.785.5731 or Email info@stratospier.com

Stratos Pier Meets or Exceeds ASTM standards

Foundation Engineering Specialists LLC

365 Enterprises Inc.



Stratos Pier Systems
5857 Raytown Road
Raytown, MO 64133

RE: Stratos Pier Systems

Foundation Engineering Specialists, LLC was hired to perform testing of the Stratos Pier System to comply with the requirements of ASTM D1143 based on the 2015 International Building Code. Per the requirements of the code an engineering analysis was performed on all the components of the pier. The data gathered from the test performed revealed that the torsion assembly was the controlling capacity in the design. The final result of the test showed that the pier does conform to ASTM Standard testing D1143.

It is the opinion of FES that the Stratos Pier System is adequate for residential and light commercial foundation piling in comparable soils to those the test was performed in (SPT blow count ≥ 10) using the above capacity with a safety factor of 2.

The Stratos Pier System consists of 2 ½" diameter, 15" long steel pipe segments with 4" coupler segments that have nested inner tubes. The pier segments directly bear on each other with the coupler providing alignment. The lead segment (Impact Segment) is driven into the soil and followed by the steel segments that bear directly on the previous segment until reaching a refusal layer of soil or bedrock. After the piers are driven to refusal, the Platform Assembly is placed over the final segment. The installer can then lift the structure using a hydraulic ram or jack. After lifting or stabilizing the structure the installer then installs the "Torsion Block" consisting of 2 ½" solid steel, a 1 ½" diameter solid threaded steel rod, and "Torsion Joint" a ball-and-socket steel joint that rests upon the top allowing for 8 degrees of tilt of the foundations bearing surface relative to the longitudinal axis of the pier. The Torsion Block threads onto the threaded rod is adjusted to the appropriate bearing height, and the torsion joint bears against the "Impact Plate" a steel channel that is then in direct contact with the foundation to displace the contact point that is bearing on the pier.

Regards,

Erik Messner, PE

Structural Engineer

Foundation Engineering Specialists, LLC

