

CONCENTRIC PUSH PIER SYSTEM

WHAT IS CONCENTRIC PUSH PIER SYSTEM?

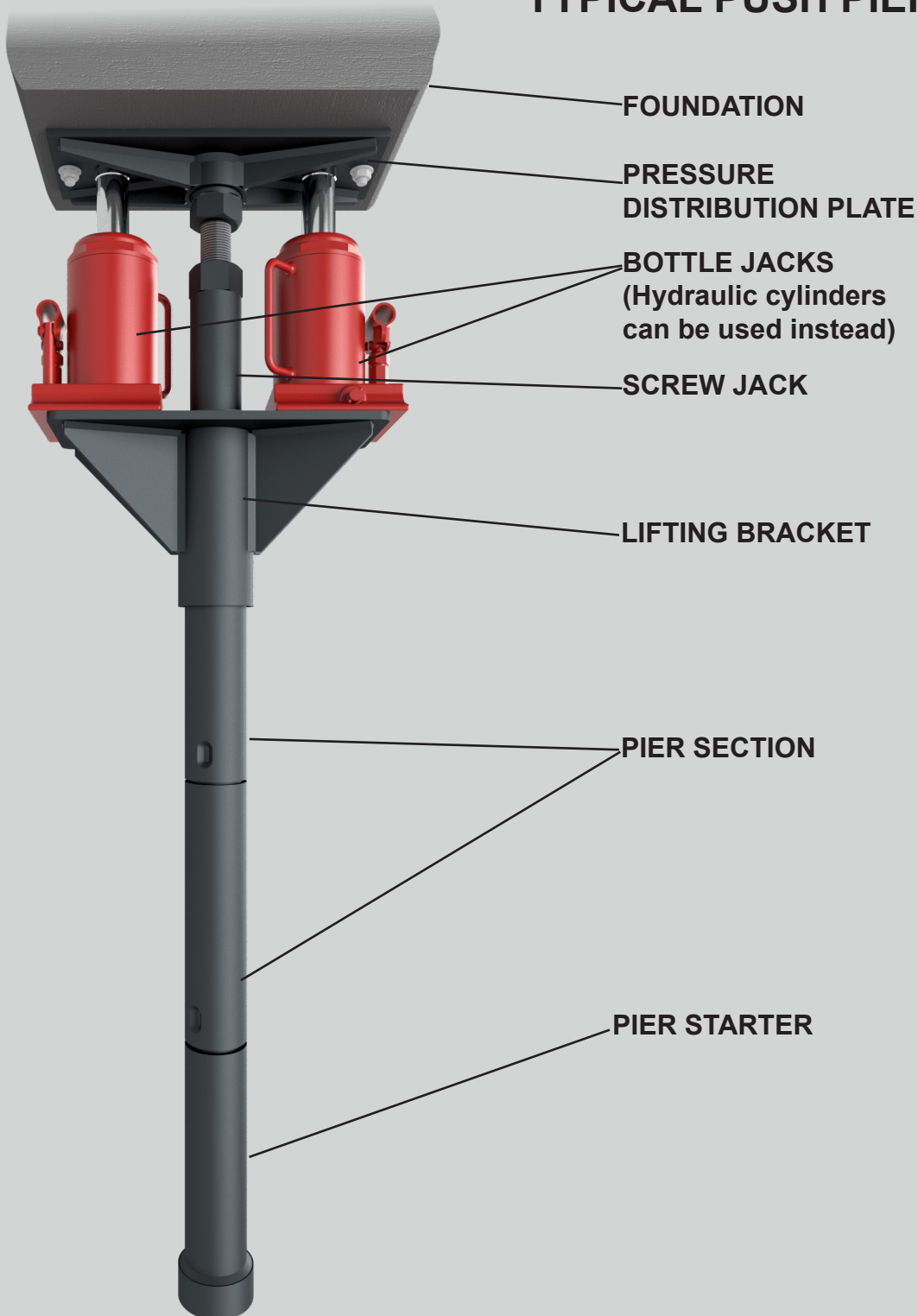
- Concentric push piers are a type of foundation repair technique used to stabilize and lift sinking or settling foundations. They consist of steel shafts (pier sections) driven deep into the soil beneath a structure. These piers are called “concentric” because they are installed directly under the load-bearing walls or columns of the building
- Concentric push piers distribute the weight of the structure vertically downward, providing direct support beneath load-bearing walls or columns.
- Concentric push piers are often used in situations where stable soil or bedrock is present at deeper levels beneath the foundation.
- Unlike helical piers which use a twisting motion to screw into the ground, push piers rely on the weight of the structure to help drive them into the soil. The process involves hydraulic equipment to push the piers into the ground below the foundation until they reach stable soil or bedrock.
- The weight of the structure plays a significant role in this process because it provides the necessary downward force to facilitate the installation of the push piers. Essentially, the weight of the structure aids in pushing the piers downward into the soil.



1-833-641-7111

CONCENTRIC PUSH PIER SYSTEM

TYPICAL PUSH PIER ASSEMBLY



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CONCENTRIC PUSH PIER SYSTEM

Experience the Difference:

At PRECISION PIERS, we are committed to providing innovative solutions that exceed expectations. With our concentric push pier system, you can trust that your foundation repair needs are in capable hands. Experience the difference with our industry-leading solution and discover the peace of mind that comes with unmatched stability and support.

Contact us today to learn more about how our concentric push pier system can transform your foundation repair project. Let us partner with you to achieve lasting success.

Introducing Our High-Quality Concentric Push Pier System

We are proud to present our innovative concentric push pier system, designed to provide reliable foundation support for a wide range of applications. Our system comprises meticulously engineered components, each crafted with precision and durability in mind.

Key Features of Our System:

1. **Starter Section:** Featuring a friction ring to reduce friction on the pier body, our starter section ensures smooth and efficient installation.
2. **Pier Section:** Constructed from high-strength drill pipe API 5CT L80 with a minimum yield strength of 80KSI, our pier sections offer unparalleled durability and load-bearing capacity.
3. **Lifting Bracket:** Designed with a through hole for seamless insertion of the screw jack straight into the pier section, our lifting bracket ensures perfect concentricity during operation.
4. **Screw Jack:** Our screw jack facilitates precise lifting and leveling of the structure, providing optimal support and stability.
5. **Pressure Distribution Plate:** The pressure distribution plate ensures uniform load distribution, minimizing stress on the foundation and surrounding soil.

Quality Assurance:

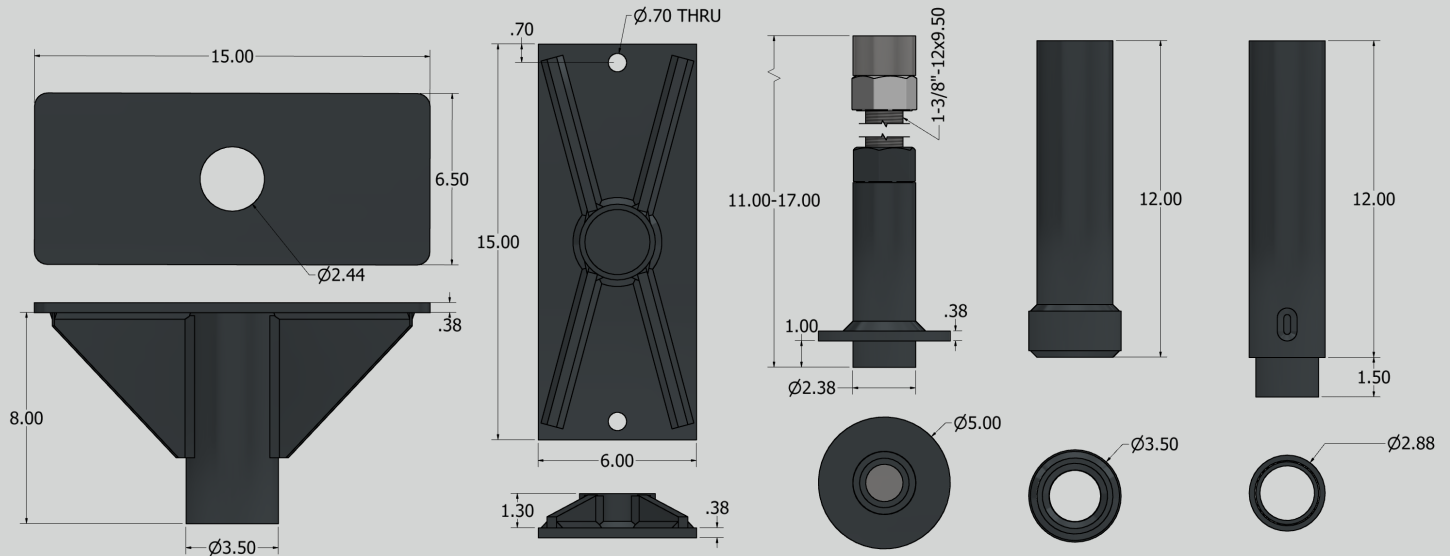
1. Pier sections are cut on a CNC rotary cutter to guarantee perpendicularity of the cut, ensuring precise alignment and maximum structural integrity.
2. Each component undergoes rigorous quality control measures to meet our stringent standards for performance and reliability.
3. Leveraging advanced robotic welding technology, each component of our concentric push pier system is expertly welded with unparalleled precision and consistency, guaranteeing superior strength and durability.



HALF SECTION VIEW

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CONCENTRIC PUSH PIER SYSTEM



LIFTING BRACKET

PRESSURE PLATE

**SCREW
JACK**

STARTER

**STEEL
PIER**

| PART NUMBER | DESCRIPTION |
|-------------|--------------------|
| CPBR3502178 | LIFTING BRACKET |
| CPBP247156 | PRESSURE PLATE |
| CPSJ238118 | SCREW JACK |
| CPLS2882171 | STARTER |
| CPPS2882171 | STEEL PIER SECTION |

1. TUBULAR MATERIALS TO MEET OR EXCEED REQUIREMENTS OF API 5CT L80, 80 KSI Fy
2. PLATE STEEL TO MEET OR EXCEED REQUIREMENTS OF ATSM A572, GRADE 50.
3. ALL WELDING TO BE PERFORMED BY CERTIFIED WELDOR IN ACCORDANCE WITH AWS D1.1 STRUCTURAL WELDING CODE.
4. HOT DIP GALVANIZING PER ASTM A153/ASTM A123. BARE STEEL IS ALSO AVAILABLE.
5. PUSH PIER ASSEMBLIES MANUFACTURED IN ACCORDANCE WITH ICC-ES AC517 PUSH PIER FOUNDATION SYSTEMS

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