



Certified Installers/Exclusive Dealers - CA, NV, AZ

## Model 200 Concentric Push Pier



The ECP Model 200 steel push pier is a patented concentric steel push pier that is designed to be installed directly below the footing or load bearing wall for all types of foundation repairs. From crawlspaces to slab on grade foundations the ECP Model 200 pier system is the only engineer approved system that eliminates bottle jacks and shims from the lifting process. This unique design assures that the pier will provide many years of structural support without over lifting.

With steel piers being the industry standard in foundation repairs and Earth Contact Products being the leader in structural lifting bracketing systems the Model 200 is quickly becoming the number one choice for foundation repair contractors across the country..

The ECP Model 200 uses the same precision lifting technology as all ECP steel pier systems. This hydraulic manifold lifting system is the system of choice for the foundation engineering community and quality foundation contractors. The ECP lifting system was designed by the staff at ECP along with Enerpac Hydraulics to be the safest and most controlled lifting system available.

The ECP Model 200 pier system is designed to achieve great driving depths while supporting the foundation directly with our concentric pier design. With the use of specially designed 12” galvanized steel pier sections, this compact pier system installs easily even in the most cramped of spaces. Overhead obstructions are not a concern with this concentric design. Everything is installed directly under the foundation and in line with the loads placed upon it.

The ECP Model 200 concentric push pier, like other resistance piers, is an end-bearing pier that does not rely upon nor requires skin friction to produce support. Each pier is field load tested after it is installed. The piers are able to develop a factor of safety because the piers are installed and load tested individually using the maximum weight of the structure as the reaction force. The ability of the system to develop significant factors of safety comes from the different methods used between pier installation and load transfer during restoration.

The galvanized steel pier sections are driven individually and the entire structure works as the reaction. A friction reduction collar is attached to the lead section of pier pipe. The purpose of the collar is to create an opening in the soil that has a larger diameter than the pier pipe. This dramatically reduces the skin friction on the pier pipe as it is driven into the soil and allows the installer to load test and verify that the pier encountered firm bearing stratum or rock that is suitable to support the design load. During load transfer, high pressure hydraulic jacks are placed in the ECP Model 200, and connected to a manifold, thus reducing the load on each pier to only the design working load.



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## Model 200 Specifications

- Ultimate Capacity – 55,000 lb
- Maximum Field Test Load – 37,000 lb
- 64 Square Inches Bearing Surface
- Standard Lift – 4”
- Fully Adjustable Unlimited Lift Capability
- Installs From Outside or Inside Structure
- Friction Reduction Collar On Lead Pier Section
- 2-7/8” Diameter High Strength, Galvanized Tubular Pier
- Installs With Portable Equipment
- Installed With Little or No Vibration
- Installs To Rock or Verified Load Bearing Stratum
- 100% of Piers Field Load Tested During Installation
- Manufacturer's Warranty

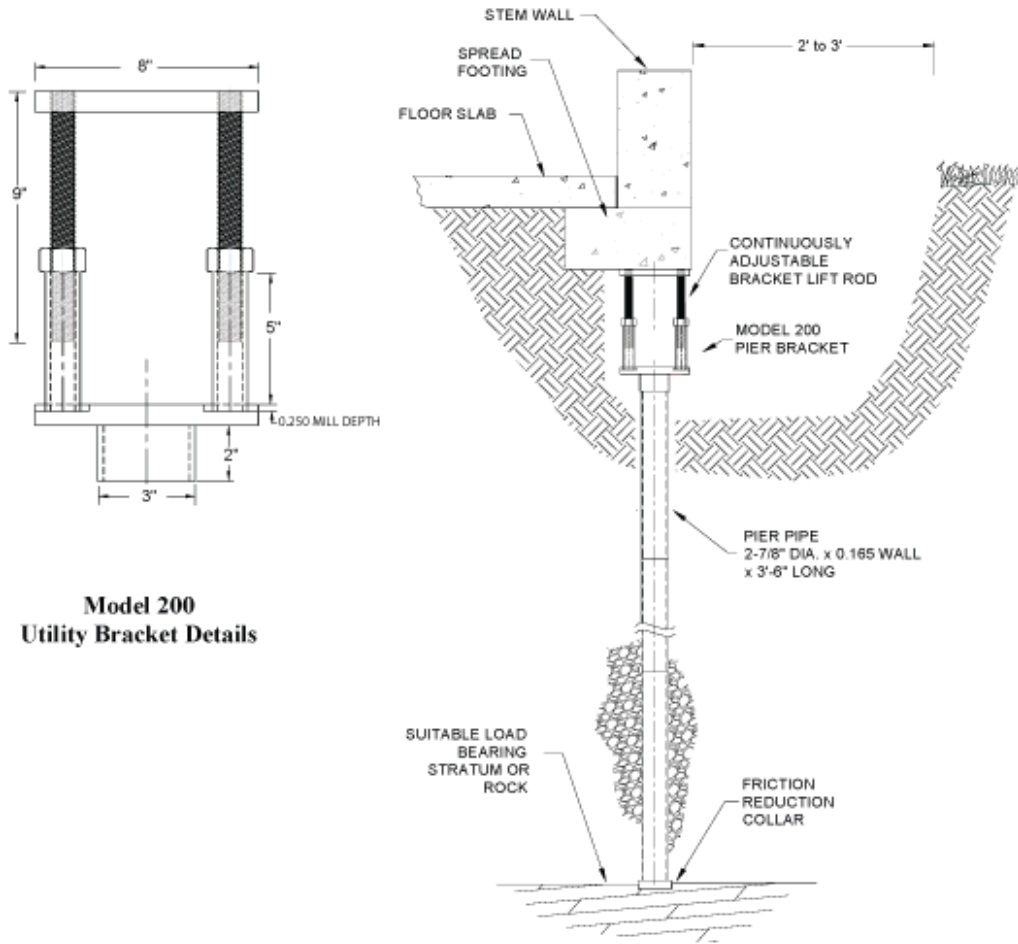
Not all resistance piers are equal, on your next project make the ECP Steel Pier™ your foundation repair solution of choice.



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**Model 200  
Utility Bracket Details**

**Model 200 Utility Bracket  
Application Drawing**

### **Model 200 US Patent # 7,044,686**

The capacity of ECP steel piers is a function of the capability of pier pipe and soil surrounding the pipe, capacity of the end bearing stratum, foundation repair bracket system, foundation strength and strength of the bracket to foundation link. Achieved capacities could be lower than the stated bracket capacity. ECP always recommends consulting with a registered professional engineer before attempting and structural repairs.

ECP Steel Piers are the #1 choice for foundation repair professionals and foundation design engineers. For more technical information about the patented ECP Steel Piers, go to the ECP Engineering section.



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