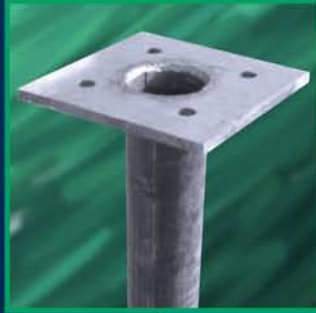


Solar Foundations



**Building a solid
foundation**

**The solution you can
depend on**



Building Solid Foundations

Solar Foundations

MacLean Dixie HFS™ Solar Foundations

MacLean Dixie offers a broad range of deep steel helical piles for solar foundation applications. We offer many time proven solutions with experience in anchoring since the 1920's. Solar Foundation Systems can be used to support the strut for connecting solar panels. It is important that the product and installation meet stringent requirements to ensure the quality and workmanship of the manufactured product and that installation is performed by qualified and certified technicians to ensure the solar foundations will perform as expected.



Typical installation of solar foundation piles use equipment sized to site to minimize pollution and cost.

Solar Foundation Piles

Solar Foundation Piles are round steel pipe piles available in varying lengths that can include either a plate to which the solar panel bracket(s) can be attached or holes drilled into the end of the pipe where clamps can attach the solar panel brackets. The tip is composed of a fish tail stinger and a single helix to allow for easy installation in most soils.

Installation

The helical pile for the solar foundation is rotated into the soil with a hydraulic drive head. Installing torque is continuously monitored with a calibrated instrument to confirm that every installed pile will meet the required load capacity. Soils may vary in a large solar farm making this is an important feature that is not available with other systems.



Solar Foundation Piles are delivered to the jobsite with minimal packaging which is all recyclable for a more environmentally friendly pile.



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Solar Foundation Piles can be used in reclaimed land and can be easily removed at the end of service life.

Engineered Solutions

MacLean Dixie will custom design your foundation system for best value to the solar farm site.

The exclusive MDRS™ software will assure an engineered solution to optimize your cost objectives. Helical piles are made from recycled materials and are themselves recyclable, creating an opportunity to earn credits on LEED certified projects.



Single and double support strut connected to solar foundation pile plate.

Quality Testing

MacLean Dixie is the only supplier that has met the requirements for all products defined by the International Building Codes ICC-ES AC358 Acceptance Criteria for Helical Foundation Systems and Devices (ICC-ES Evaluation Report Number ESR-3032). This should be important criterion when selecting the supplier to protect your investment for years to come.

MacLean Dixie has an ongoing quality control program per A10 with inspection by an IAS accredited inspection agency per AC98.

Find out more at www.MacLeanDixie.com

Visit our website for more information and technical specifications on all of our products.

Features and Benefits:

- Solar panels can be mounted immediately after installation - no waiting for grout to cure
- Installs in any weather
- Installs with most equipment with a hydraulic drive head
- Continuous torque monitoring assures each solar foundation pile will meet load requirements
- Does not require grading
- Lower noise levels than driven piles
- Suitable for hilly terrains
- No spoils to remove
- Removable
- Contributes to green environment
- Made from 75-90% recycled steel
- Hot dip galvanized per ASTM A123 for long term corrosion protection
- Made in the USA at our Birmingham, AL facility



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MacLean Dixie.

Built on a solid foundation.

MacLean Dixie is part of MacLean-Fogg, a diversified international manufacturing company. A result of the acquisition and merger of Joslyn and Dixie, two prominent soil anchor manufacturers, MacLean Dixie is now one of the leading suppliers of steel deep foundation systems for use in residential, commercial and marine applications. Our comprehensive product line for residential and commercial applications includes engineered solutions for tension, compression, and structural stabilization in many different soils.

Quality that is second to none.

Why do installers and engineers across the nation choose MacLean Dixie products time and time again? Perhaps it is because our quality standards and rigorous testing procedures ensure that our products are second to none.

Materials meet strict ASTM standards.

We can verify the chemical composition of every lot of steel back to the original mill that produced it. So we know that the chemistry, physical and dimensional properties are in accordance to ASTM and our stringent standards.

State-of-the-art fabrication.

With one of the largest manufacturing facilities in the industry, we're equipped to turn products around faster, more efficiently and most cost effectively.

Visit www.MacLeanDixie.com for more information and technical support.



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ISO 9001:2008
Certification QSR-938



AC308 Approved
ESR-3032



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