

GROUND SCREW FOUNDATION (FIXED TILT AND TRACKER)

About

OMCO Solar® is your one-source partner, combining quality foundation solutions, 100% domestic content, competitive pricing, expert support, and industry-leading responsiveness. As the supplier and manufacturer, we ensure logistics savings, fast lead times, and customization to meet site-specific and customer requirements. Our nationwide manufacturing footprint and direct product interaction delivers unmatched value for all modules and solar project complexities.

Why Choose Us?

- ✓ Factory Direct
- ✓ Short Lead Times
- ✓ Low Freight Costs
- ✓ Reduced Field Labor
- ✓ Cost Efficient
- ✓ Quality Assurance
- ✓ Enhanced Flexibility
- ✓ 180 MPH Wind Capacity



ACCOMODATING

Accommodates challenging soils



RAPID INSTALLATION

Quick, easy installation



PILE REFUSAL

Eliminates pile refusal



ADJUSTABLE

Infinite rotational adjustability after screw is set for optimum post alignment



COMPATIBILITY

Compatible with all OMCO Solar mounting systems



FLEXIBLE

21 inches of vertical adjustability provides flexibility



COMPLIANT

Meets all site loading requirements

GROUND SCREW FOUNDATION

OMCO Solar knows the importance of eliminating subsurface risks on ground mount projects to ease installation and avoid added cost. That's why we've taken lessons learned in developing our industry-leading mounting structures and incorporated the same winning advantages into our Ground Screw Foundation.

Working with trusted and industry-respected suppliers, our solution for incorporating ground screw foundations is custom-built for developers and EPC's. We understand the challenges of sites with difficult soils or shallow bedrock, particularly in the Northeast. Our solution eliminates drive pile refusal so your project can progress quickly to meet deadlines within budget.

Using special drivers, each team can insert as many as 30 foundations per hour.

FEATURES	TECHNICAL SPECIFICATIONS
Length	Available in either 1600 mm or 2000 mm
Outer Diameter	76 mm
Thickness	3.00 mm
Thread Depth	880 mm
Construction	<p>Q235B steel</p> <p>Continuous welded helix for screw threads.</p> <p>Galvanized to ASTM123 75 micron.</p> <p>Screw extension component provides easy vertical adjustability.</p> <p>Standard M12 bolts supplied to make connections to OMCO's factory direct structures above the screw.</p>
Load Capacity	<p>Appropriate screw diameters and lengths chosen for each site, to meet all applicable building codes, wind tunnel requirements up to 180 mph, and snow loads up to 90 psf.</p> <p>General load capacities from ICC-ES Evaluation Report ESR-4226 load charts and frost depths for the site used to identify the initial length for quoting.</p>
Testing	<p>On-site ground screw load test recommended for all projects to verify design capacities for each screw length.</p> <p>OMCO's in-house testing capabilities and engineers can quickly evaluate all data and provide updated pricing and construction documents to meet project specifications.</p> <p>UL 2703 compliant.</p>
Terrain Articulation	Structures can follow the terrain up to approximately 15%.
Warranty	20-year limited



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