

GROUND SCREW FOUNDATION SYSTEMS

Vertically integrated ground screw foundations for solar, renewable energy, BESS, data centers, and industrial applications.



**Domestic.
Engineered.
Scalable.**

Domestic Content. Full Control. From fabrication to delivery.

ASA's steel ground screws are engineered, fabricated, and delivered by an American manufacturer backed by two centuries of trusted partnerships. Our vertical integration reduces project lead times and guarantees reliability, traceability, and bankability. Built for longevity and durability, our ground screws are developed for use across terrains and conditions.

This approach supports:

- ✓ Domestic content requirements
- ✓ Consistent mechanical properties
- ✓ Reliable lead times
- ✓ Scalable production volumes

Engineered for Performance

Ground screw systems are engineered to meet project-specific compression, tension, and lateral load requirements based on soil conditions and application needs.

ASA provides support for:

- Engineering review and load assumptions
- Integration with steel, aluminum, and modular systems
- Applications requiring speed, access, or reduced environmental impacts

Ground screws provide immediate load capacity with no curing time, helping projects stay on schedule

Product Offerings Application Performance

- Ground Screws
- A-Frames
- Welded Assembly
- Utility Scale Solar Projects
- Distributed Generation

Ground Screw Technical Specifications

Category	Parameter	3.0 in OD	3.5 in OD	4.5 in OD
Geometry	Outside Diameter	3.0 in	3.5 in	4.5 in
	Wall Thickness	Project-specific (utility scale)	Project-specific (utility scale)	Project-specific (utility scale)
	Standard Lengths	Project-specific	Project-specific	Project-specific
	Custom Lengths	Available	Available	Available
	Shaft Type	Structural steel tube	Structural steel tube	Structural steel tube
	Tip Style	Conical installation tip	Conical installation tip	Conical installation tip
	Connection Options	3X 5/8 in bolt, top plate, custom	3X 5/8 in bolt, top plate, custom	3X 5/8 in bolt, top plate, custom
Tube Specification	Tube Standard	ASTM A500	ASTM A500	ASTM A500
	Tube Type	Round HSS	Round HSS	Round HSS
	Yield Strength	50-65 ksi	50-65 ksi	50-65 ksi
	Dimensional Tolerances	Per ASTM A500	Per ASTM A500	Per ASTM A500
Corrosion Protection	Coating Type	Hot-Dip Galvanized	Hot-Dip Galvanized	Hot-Dip Galvanized
	Galvanizing Standard	ASTM A123 / A153	ASTM A123 / A153	ASTM A123 / A153
	Average Coating Thickness	≥85 µm (3.4 mils)	≥85 µm (3.4 mils)	≥85 µm (3.4 mils)
Manufacturing	Domestic Content	Yes	Yes	Yes
	Material Traceability	Heat-level MTRs	Heat-level MTRs	Heat-level MTRs