

[Manuals.plus](#) /

› [Simpson Strong-Tie](#) /

› Simpson Strong-Tie ABA46Z ABA ZMAX Galvanized Adjustable Standoff Post Base for 4x6 (Pack of 10) Instruction Manual

Simpson Strong-Tie ABA46Z

Simpson Strong-Tie ABA46Z Adjustable Standoff Post Base Instruction Manual

Model: ABA46Z | Brand: Simpson Strong-Tie

INTRODUCTION

The Simpson Strong-Tie ABA46Z ABA ZMAX Galvanized Adjustable Standoff Post Base is designed to provide a secure connection for 4x6 nominal posts to concrete foundations or other structural elements. Its adjustable design allows for precise post placement, and the 1-inch standoff helps prevent rot and decay by keeping the post end elevated from moisture, meeting code requirements for structural posts exposed to weather or water splash. This product is made from durable 14-gauge steel with a ZMAX galvanized coating for enhanced corrosion resistance.



Image: The Simpson Strong-Tie ABA46Z ABA ZMAX Galvanized Adjustable Standoff Post Base, showing its robust construction and galvanized finish.

KEY FEATURES

- **Adjustable Slot:** The slot in the base enables flexibility around the anchor bolt, making precise post placement easier.
- **1-inch Standoff:** The 1-in. standoff design meets code requirements for structural posts installed in basements or exposed to weather or water splash, protecting the post from moisture.
- **Increased Uplift Loads:** Designed to provide increased uplift loads for earthquake or wind loading conditions, enhancing structural integrity.
- **Nominal Post Size:** Specifically designed for 4x6 nominal post sizes.
- **Durable Material:** Made from 14-gauge steel for strength and longevity.
- **ZMAX Galvanized Coating:** Features a ZMAX (Powder Coating) finish for superior corrosion resistance, suitable for outdoor and treated-wood applications.

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Image: A side view of the ABA46Z post base, highlighting the adjustable slot and the 1-inch standoff feature.

SPECIFICATIONS

Attribute	Value
Model Number	ABA46Z
Nominal Post Size	4x6
Material	14-gauge Steel
Finish Type	Powder Coating (ZMAX)
Item Weight	12.22 pounds (for 10 Pack)
Product Dimensions (L x W x H)	5.52 x 4.2 x 3.09 inches
Mounting Type	Deck Mount
Unit Count	1.0 Count (per base)
Manufacturer	Simpson Strong-Tie

INSTALLATION AND SETUP

Proper installation of the ABA46Z post base is crucial for structural integrity and longevity. Always consult local

building codes and a qualified professional for specific project requirements.

1. **Site Preparation:** Ensure the concrete foundation or supporting structure is clean, level, and free of debris. Mark the precise location for the post base.
2. **Anchor Bolt Installation:** Install the appropriate anchor bolt (not included) into the concrete according to the manufacturer's specifications and local building codes. The ABA46Z base is designed to accommodate standard anchor bolt sizes.
3. **Positioning the Base:** Place the ABA46Z post base over the installed anchor bolt. Utilize the adjustable slot to fine-tune the position of the base for accurate post alignment.
4. **Securing the Base:** Secure the post base to the anchor bolt using a washer and nut, tightening to the recommended torque. Ensure the base is firmly seated and level.
5. **Post Placement:** Insert the 4x6 nominal post into the post base. The 1-inch standoff will elevate the post end from the concrete surface.
6. **Fastening the Post:** Secure the post to the base using appropriate fasteners (e.g., Simpson Strong-Tie Strong-Drive® screws or nails) through the pre-drilled holes in the base flanges. Follow fastener schedules provided by Simpson Strong-Tie or local building codes.

Your browser does not support the video tag.

Video: An official Simpson Strong-Tie brand video showcasing various products and their applications, including examples of structural connections and fastening techniques relevant to post base installation.

OPERATION

The Simpson Strong-Tie ABA46Z Adjustable Standoff Post Base is a passive structural component. Once properly installed, it requires no active operation. Its function is to provide a stable and elevated connection point for a wooden post to a foundation, ensuring structural integrity and protection against moisture.

MAINTENANCE

To ensure the long-term performance and safety of your structure, periodic inspection and minimal maintenance are recommended for the ABA46Z post base:

- **Regular Inspection:** Annually inspect the post base for any signs of corrosion, rust, or physical damage. Check for loose fasteners or connections.
- **Cleanliness:** Ensure the area around the base remains clear of debris, soil, or standing water that could compromise the standoff feature or accelerate corrosion.
- **Fastener Check:** Verify that all screws, bolts, and nuts securing the post to the base and the base to the foundation remain tight. Re-tighten if necessary, but do not overtighten.
- **Corrosion Protection:** While the ZMAX coating provides excellent corrosion resistance, in highly corrosive environments or if the coating is damaged, consider applying a compatible zinc-rich paint or cold galvanizing compound to affected areas.

TROUBLESHOOTING

Most issues related to the ABA46Z post base stem from improper installation or environmental factors. Here are common concerns and general troubleshooting steps:

- **Post Wobble/Instability:** This often indicates loose fasteners or an improperly secured anchor bolt. Re-check all connections, ensuring they are tightened to specifications. Verify the post is properly seated within the base.
- **Corrosion/Rust:** While ZMAX coating is durable, prolonged exposure to harsh chemicals, saltwater, or constant moisture can lead to corrosion. Ensure proper drainage around the base. If surface rust appears, clean the area and apply a suitable rust-inhibiting primer and paint.
- **Damage to Base:** If the base is bent, cracked, or significantly deformed, its structural integrity may be compromised. Such damage typically requires replacement of the unit. Do not attempt to repair a damaged structural connector.
- **Water Pooling at Base:** This defeats the purpose of the 1-inch standoff. Ensure the surrounding grade slopes away from the post base to facilitate proper drainage.

For any significant structural concerns or if you are unsure about the integrity of your installation, it is highly recommended to consult a qualified structural engineer or building professional.

WARRANTY AND SUPPORT

Simpson Strong-Tie stands behind the quality and performance of its products. For detailed information regarding the product warranty, limitations, and claims procedures, please refer to the official Simpson Strong-Tie website or contact their customer support directly.

For additional support, technical data, installation guides, and product information, please visit the official Simpson Strong-Tie store or website:

[Visit the Simpson Strong-Tie Store](#)