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NC 5x5 Composite Commercial Post (94 in.) - Designed to Hang NC Gates
INSTALLATION GUIDE (3/25)

*Our products and/or processes are protected by the following patents, as well as other patents that are pending:
US 11,053,707; US 12,110,703; US 12,084,880*

5 x 5 x 94 in. Composite Commercial Grade Post with Post Cap - Designed for Hanging NC Gates

**use these posts to hang your NC Full Size, Perimeter or Modern Ranch Rail gates to your fence panels. You can also use these for surface mounting*

COMPONENTS

ITEM	QTY	DESCRIPTION	NC PART
Complete Product	1	5 x 5 x 94 in. Composite Commercial Grade Post with Post Cap - Designed for Hanging NC Gates	300755XX094-C
A	1	5x5x94 NC Composite Commercial Post	300755XX094
B	1	Top Cap	ACPC755TBPOSTCAP-HORSE



BEFORE YOU BEGIN

A. Verify Underground Utilities

Before starting, contact local utility companies or use utility location services to ensure the installation area is clear of underground lines and potential hazards (call 811).

B. Locate Property Lines

Confirm the fence will be placed within your property boundaries to prevent encroachment and comply with any applicable legal requirements.

C. Review Local Building Codes

Check local building codes to ensure your installation complies with all requirements. Obtain any necessary permits prior to beginning the installation.

D. Use Appropriate Safety Gear

Wear protective equipment, including gloves, safety goggles, and work boots, to ensure a safe installation process.

Gate Opening Requirements

To properly accommodate the NC gate width and required hardware spacing, the opening between posts should measure 48 inches. This allows the 45.5-inch-wide gate plus 1.25-inch clearance on each side, as needed for the D&D hinges. To add a gate, you must use two NC 5x5 Commercial Posts—standard posts will not support the weight. Since the gate is 48" wide, and each 5x5 post is 5.5" wide, so space them 58" apart (outside to outside). This ensures proper hinge and latch function.

Proper Support for Your Gate

For optimal performance and durability, it's important to understand that our full-size NC gate weighs approximately 90 pounds. Due to this weight, it needs robust support to ensure smooth operation and prevent sagging over time.

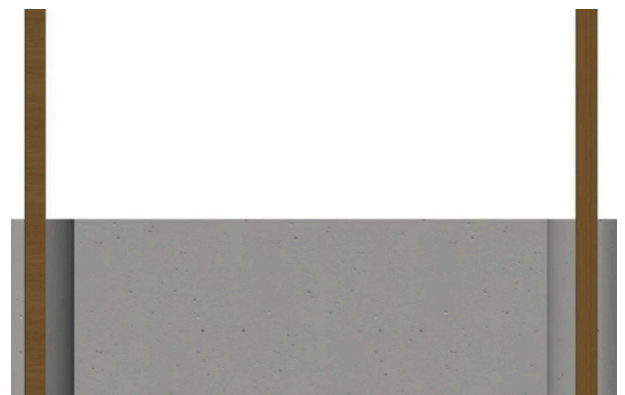
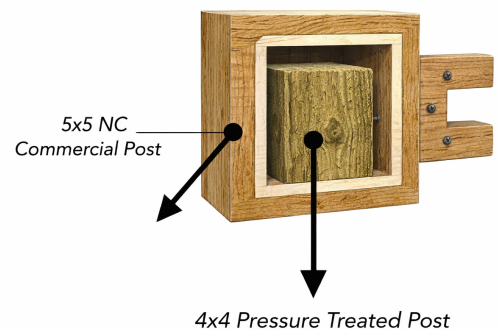
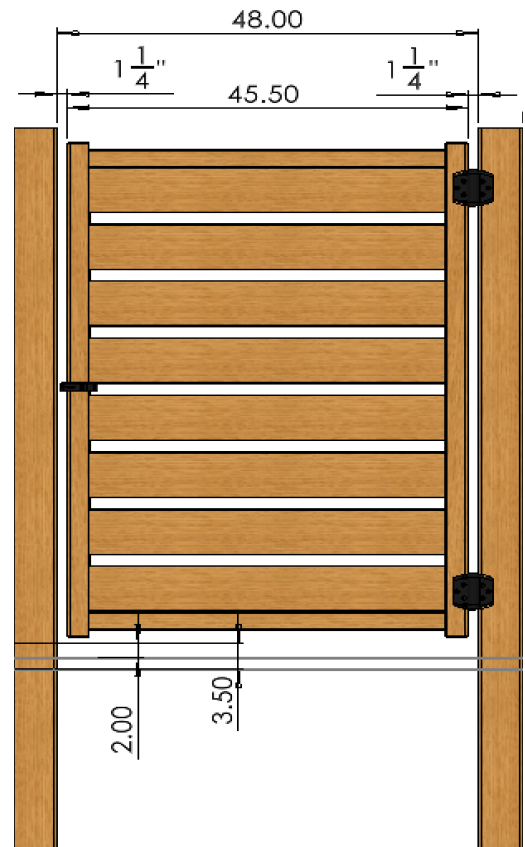
The NC 5X5 NC post when used as support of a gate should be reinforced inserting a 4x4 treated wood post inside the composite post. This added reinforcement greatly increases the strength and durability of the post.

Burial Depth and Concrete Requirements: To ensure stability, we recommend burying at least 1/3 of the post length in the ground. For example, a 94" post should be buried 31 inches deep. Use a minimum of 80-100 pounds of concrete per post to provide a solid foundation. **Make sure your post is plumb.**

Hinge Installation Note

The NC Gate requires the hinges to be secured into the gate and 5x5 post through the composite material and into the metal frame to properly support the gate's weight and ensure optimal functionality.

Pre-Drill for the Gate Side: Pre-drill holes using a 5/32" drill bit for the hinge screws. On the gate, the hinge screws must penetrate the composite 5x5 post and the metal frame. Ensure proper alignment so the screws securely fasten into the metal frame; 4 of the 6 screws on the gate side will anchor into the metal frame for stability.



INSTALLING POST TO GATE WITH NC MODERN FENCE SYSTEM



Panel + Screw U-Post to 5x5 Post + Screw Gate Hinges to Post + Screw Latch to 5x5 Post + Screw 5x5 to U-Post = Structural Stability!

1.1 Insert a pressure-treated 4x4 wood post inside the NC Commercial-Grade 5x5 composite post to provide structural reinforcement for the gate hardware.

1.2 Position the U-Post against the 5x5 post and secure it with screws. Fasteners must pass through the U-Post, composite post, and wood insert to lock the entire assembly together. The post must be fully rigid with no movement, as any play will transfer to the gate and cause sagging.

1.3 Bury the assembled posts together according to the standard post installation instructions.

1.4 Attach the gate using the included hinges and latch.

Surface Mount Option: For surface mounting, please secure the post with a metal bracket designed for a nominal 4x4 post (such as the E-Z Base Post Base). Insert the pressure-treated 4x4 wood post inside the composite post in the bracket area. If any gap remains between the bracket and the composite post, use composite shims to eliminate the gap and ensure a tight fit before fastening.

It is essential to attach your NC Gates to your NC Panels using our NC 5x5 Commercial Post to ensure proper support and maintain the fence's structural integrity over time.

Please follow the instructions below for these NC Gates:

- Modern 2 & 3 Board Ranch Rail Gates
- Full Size Gate
- Perimeter Gate

