Natures Composites

Sustainable Outdoor Living

Visit our resources page for more information

MODERN HORIZONTAL PRIVACY FULL SIZE & PERIMETER FENCE

INSTALLATION GUIDE (02/26)

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. For any further information or questions please visit www.naturescomposites.com or call us at (307) 338-2608.

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Leaders in Sustainable Fencing

Watch out for green boxes for our Frequently Asked Questions!

BEFORE YOU BEGIN

Verify Underground Utilities
Use aids such as local building departments, utility companies, or utility location services to ensure the area is free from underground lines or hazards.

1. **Locate Property Lines**
   Ensure the fence is installed within your property boundaries to avoid encroachment and comply with legal requirements.
2. **Consult Local Building Codes**
   Review local codes to ensure the fence and gate installation meets all requirements. Obtain any necessary permits before starting the installation.
3. **Wear Appropriate Safety Equipment**
   Always wear gloves, safety goggles, and work boots to avoid injuries during installation.

TOOLS REQUIRED

Tools for Preparing the Fence and Post Burial

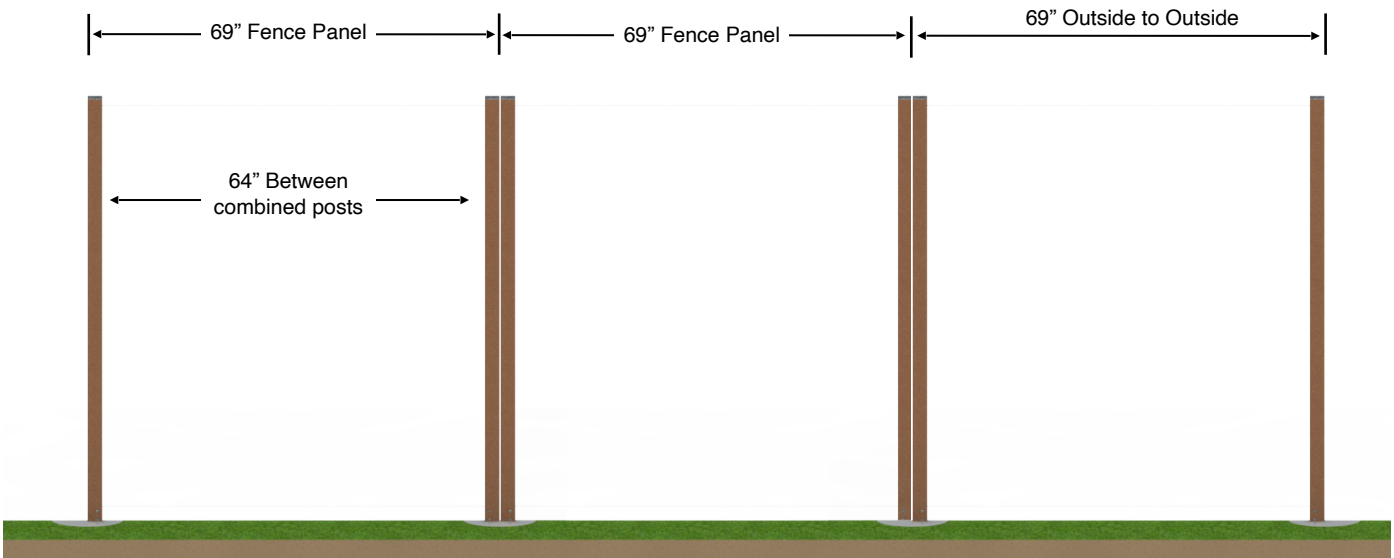
- Tape Measure
- Post Hole Digger & Shovel
- **Post Bubble Level** (for ensuring posts are vertically aligned at 90 degrees)
- Level and String Line
- Wheelbarrow
- Stakes or Markers
- **Torx T20 Bit** (for fastening the self-drilling composite screws provided by NC for both securing the posts and attaching the post cap)
- We recommend using a **power tool** for both operations to ensure proper installation of the fasteners.

FENCE LOCATION

1. **Mark the Fence Layout:** Use stakes and a string line to outline the fence location. The string helps ensure the fence remains straight during installation.
2. **Locate Gate Placement:** Mark the post hole locations for gate posts according to the gate installation instructions.
3. **Mark Corners and Ends:** Identify the locations of corner and end posts.
4. **Mark Intermediate Fence Posts:** Posts should be placed no wider than **69 inches (5.75 feet)** outside to outside posts for each fence panel.

STOP! Are you adding gate? How should you space your posts?

To add a gate, you must use two NC 5x5 Commercial Posts—standard posts won't support the weight. For added strength, insert a 4x4 pressure treated wood post inside each composite post.
The gate is 45.5" wide, with 1.25" spacing on each side, total of 48" wide, and each post is 5" wide, so space them 58" apart (outside to outside) to ensure proper hinge and latch function.



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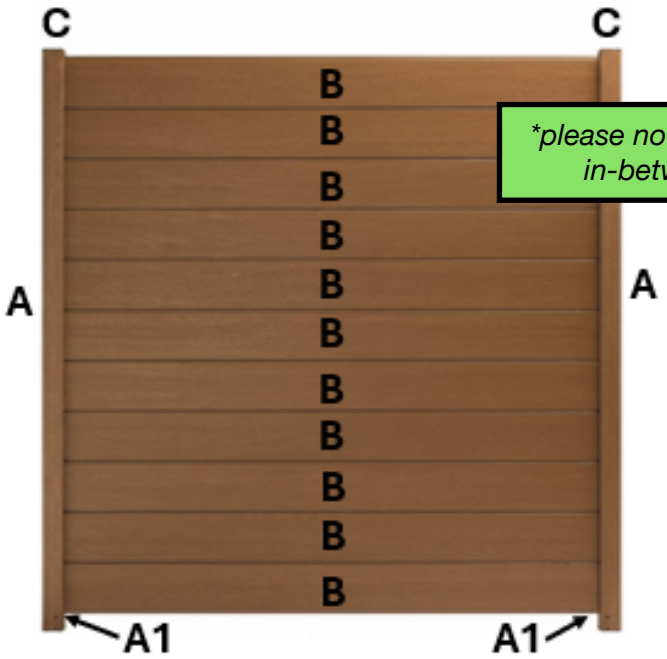
COMPONENTS

Composite Modern Horizontal Privacy Full Size Fence (6 ft. H x 6 ft. W) - *Nominal: 70 in. x 69 in.*

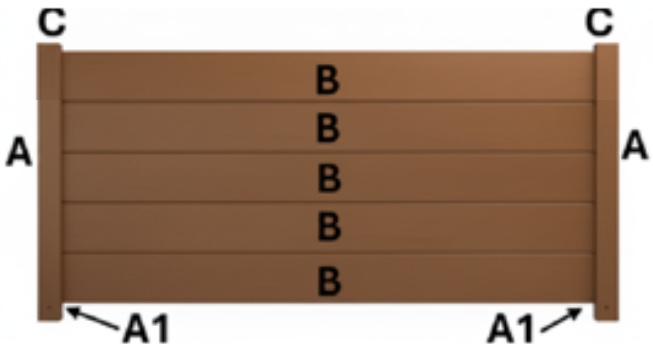
ITEM	QTY	DESCRIPTION	NC PART
Complete Product	**1**	**Modern Horizontal Full Size Fence**	100301XX60600
A	2	U-Channel Post 2.5" X 2.5" X 94"	300722XX094
A1	2	Board Stop Assembly (Pre-Installed inside U-Channel Post)	200720BK00000
B	11	Tongue and Groove Board 1″ x 6″ x 67″	300340XX067
C	1	Top Cap 2025 Pack (2 Caps & 4 Screws)	200721BK00000
D	1	Top Cable Pack	200030GV06900
E	2	Depth Stick	ACPC POST DEPTH STICK
F	4	#8 1-5/8″ Truss Head Screws (only to be used when screwing two panels together!)	ACSCR#8X1-5/8BRONZETRUSS

Modern Horizontal Privacy Perimeter Fence (3.5 ft. H x 6 ft. W) - *Nominal: 40 in. x 69 in.*

ITEM	QTY	DESCRIPTION	NC PART
Complete Product	**1**	**Modern Horizontal Perimeter Fence**	100302XX30600
A	2	U-Channel Post 2.5" X 2.5" X 64″	300722XX064
A1	2	Board Stop Assembly (Pre-Installed inside U-Channel Post)	200720BK00000
B	6	Tongue and Groove Board 1″ x 6″ x 67″	300340XX067
C	1	Top Cap 2025 Pack (2 Caps & 4 Screws)	200721BK00000
D	1	Top Cable Pack	200030GV06900
E	2	Depth Stick	ACPC POST DEPTH STICK
F	4	#8 1-5/8″ Truss Head Screws (only to be used when screwing two panels together!)	ACSCR#8X1-5/8BRONZETRUSS



please note top cap kit is included in-between U-Posts in box



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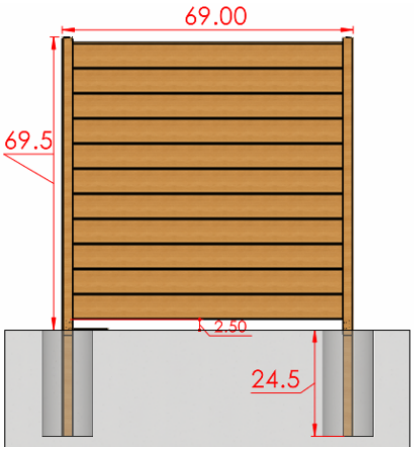
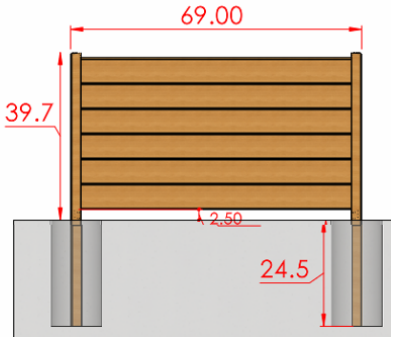
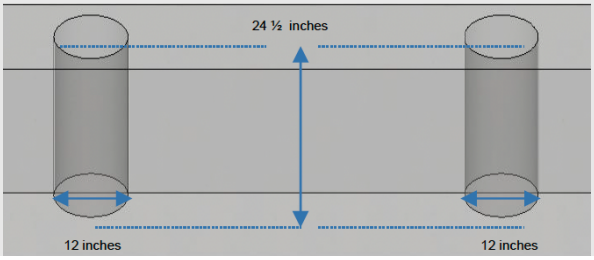
POST BURIAL INSTALLATION





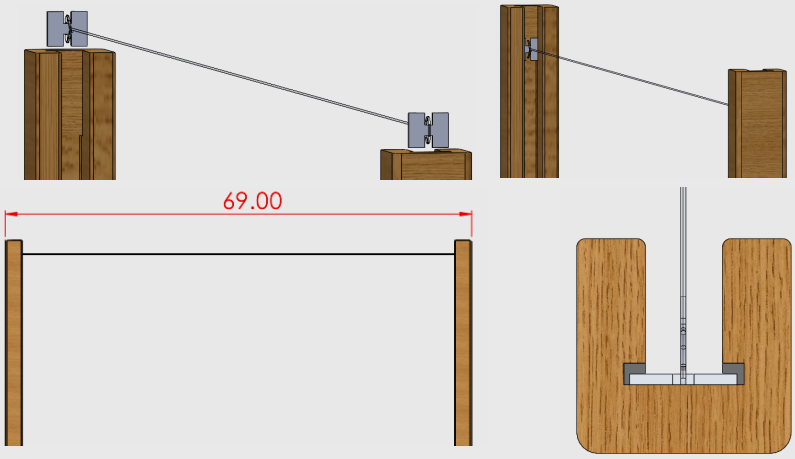
1. Dig the Post Holes

- Diameter: 12 in.
- Burial depth: 24.5 in.



2. Install the Top Cable

- Insert the NC Top Cable into the top cavity of both posts
- Ensures exact 69 in. spacing while posts are buried.



3. Assemble NC Depth Stick

Assemble the NC Depth Stick by inserting it into the Board Stop inside the U-post.

Can my fence be Surface Mounted or only Buried?

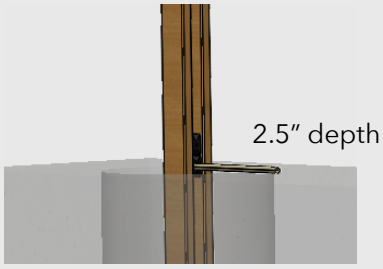
Our fences are engineered for maximum stability when buried directly into the ground. However, if in-ground installation isn't possible, our posts can still be surface-mounted using common bracket systems. **WE RECOMMEND** purchasing our NC Commercial-Grade Posts to place between each panel, anchoring them using the E-Z Base Black Powder-Coated Post Base for 4x4 Nominal Lumber. For added strength, we recommend inserting a 4x4 pressure-treated wood post inside the bracket and the composite post in this configuration. This ensures better support for screws and results in a sturdier overall installation. Additionally, securing the fence to an adjacent structure—such as a house, wall, or corner—will help minimize movement, as angles provide natural reinforcement. *Please note surface mounts will void your warranty for any structural issues.*

Can I cut my fence to adjust the length?

Yes, our proprietary wheat-based composite formula can be cut just like wood using standard wood-cutting tools. When cutting, make sure to cut all boards at the same place to avoid creating an uneven alignment. First, you must remove the bottom cable by cutting it at the board stop. Then, you will need to adjust the Top Cable Assembly. To do this, cut the top cable to the desired length and remove the top cable bracket at the end, as it will need to be replaced. You will need to purchase an aluminum ferrule (we recommend the Everbilt 1/16 in. Aluminum Ferrule and Stop Set) and reattach it by hitting it with a hammer to crimp it back into place. Following these steps will help maintain proper spacing and stability during your fence installation.

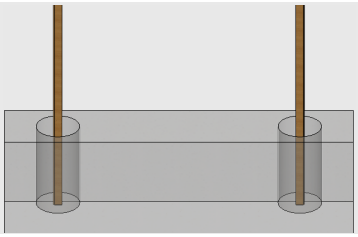
4.1 Lower the Depth Stick

- Lower the post until the Depth Stick touches the ground surface.
- When touching the ground, the post is automatically set to:– 24.5 in. burial depth– 2.5 in. ground clearance for the bottom board.
- Use the Top Cable to maintain 69 in. spacing.



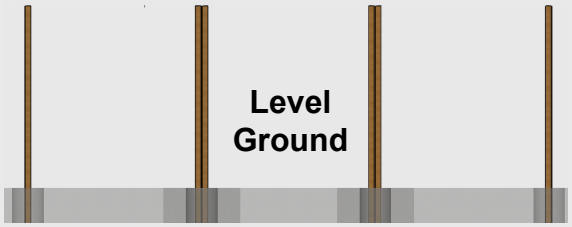
5.A Single Panel Installation

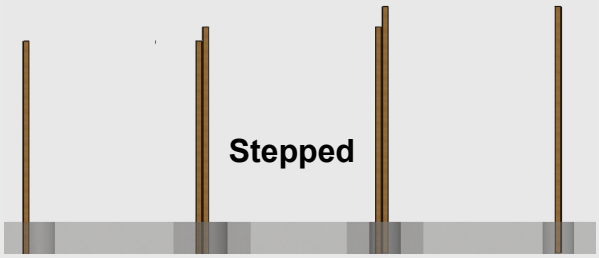
- For a single panel, posts are buried individually.
- No pre-assembly is required before burial



5.B Multiple-Panel Installation

- For multiple panels, line posts must be screwed back-to-back before burial.
- On uneven terrain, determine and set the required step height prior to burial.



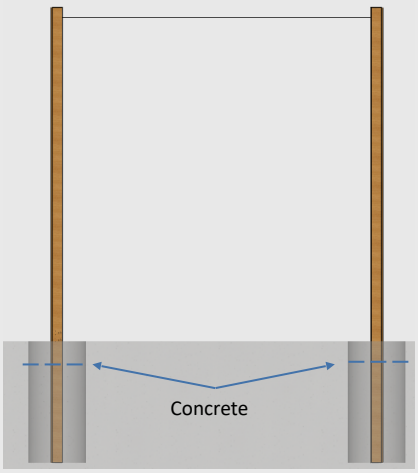


6. Plumb and Align

- Set all posts perfectly vertical (plumb).
- Align posts with the string line before concrete is poured.

7. Fill with Concrete

- Once spacing, depth, and plumb are verified, fill holes with concrete. Backfill the hole using 1–2 bags of concrete (60–80 lb.).
- Adjust quantity for hole size and soil: sandy/loam soils often need more, clay/rock can require less. Re-check plumb during curing.
- After the concrete cures, please remove the top cable to allow for the continuance of the remaining installation.



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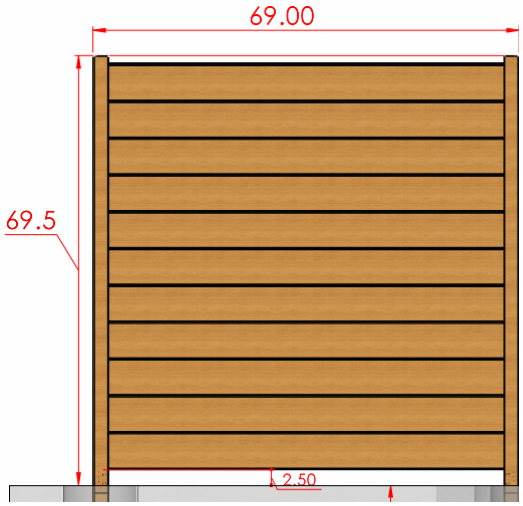


PREPARING NC POSTS BEFORE BURIAL

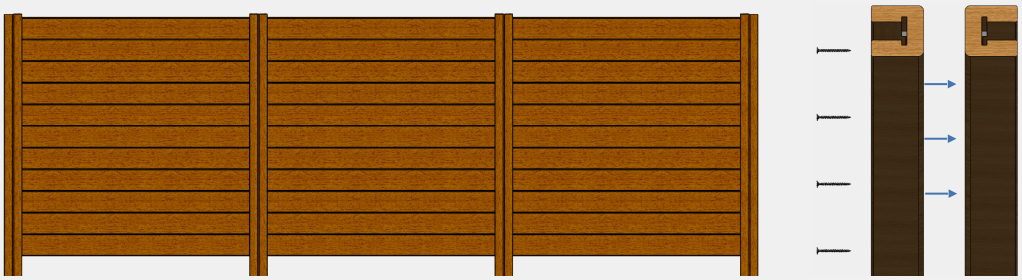
All NC Fence Panels Include Two Posts
Each panel comes with its own pair of NCU-channel posts. This patented design eliminates the need for different post types (start/end, line, or corner). The same U-post can be configured for any use.

A. Single Panel Installation
For a single panel, there is no need to prepare or assemble posts before burial. Each post is buried individually in its final position.

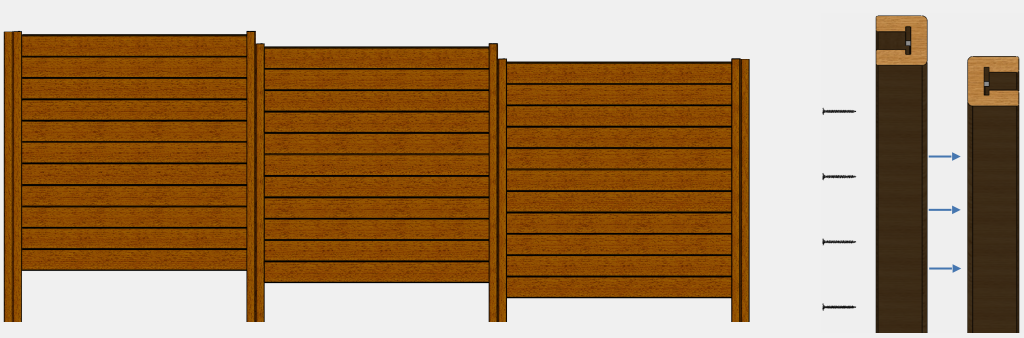
B. Multiple Panel Installation

When installing two or more panels in a row, the posts must be assembled (screwed together) before burial. If you are placing panels next to the other it is important to screw the posts together for maximum stability. Use the included four #8 1-5/8" Truss Head Screws (F) to secure the posts.

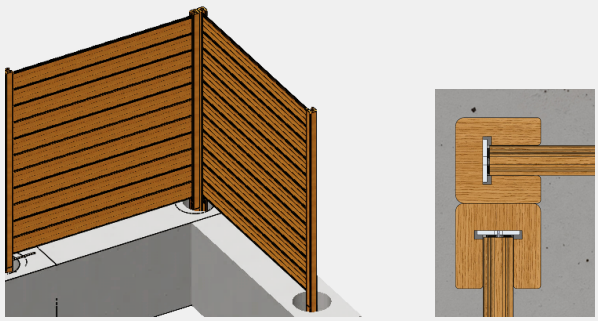
B1: Level Ground:
Posts are assembled evenly and remain at the same height.



B2: Sloped / Uneven Terrain (Step Method):
Posts are assembled at different heights to create steps that follow the slope. Each step must match the grade of the terrain.



Corner Post



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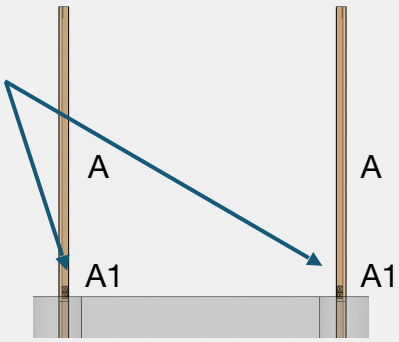
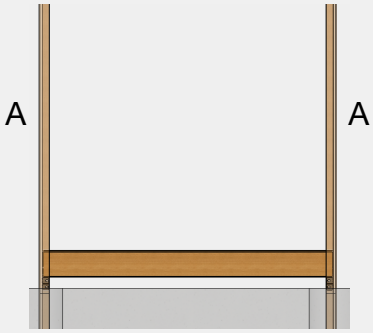
I. SLIDE BOARDS INTO U-POSTS

Composite Modern Horizontal Privacy Full Size Fence (6 ft. H x 6 ft. W) - *Nominal: 70 in. x 69 in.*

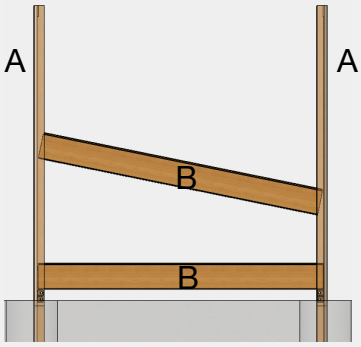
1. Board Stops (A1) come pre-installed from factory; refer to the image to identify them. This is where the first board (B) will rest.



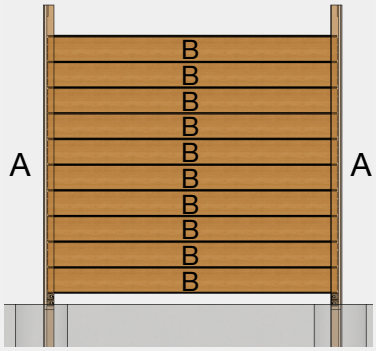
2. Slide the first board (B) into the U-posts (A) and let it rest on the board stops (A1).



3. Continue sliding the remaining boards (B) into position. DO NOT USE A HAMMER TO FORCE THE FENCE BOARD INTO POSITION, AS IT MAY DAMAGE THE COMPOSITE FENCE BOARDS!

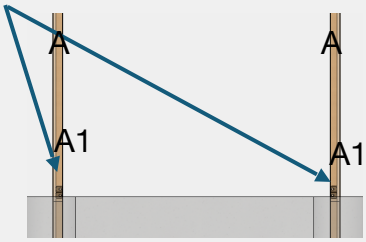


Note: *Do not install the final board (B) yet, as the top cable (D) must be installed in the last board before insertion.*

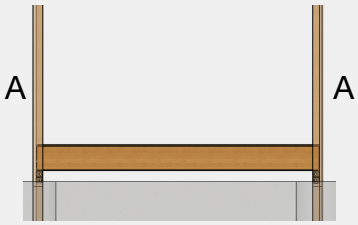


Modern Horizontal Privacy Perimeter Fence (3.5 ft. H x 6 ft. W) - *Nominal: 40 in. x 69 in.*

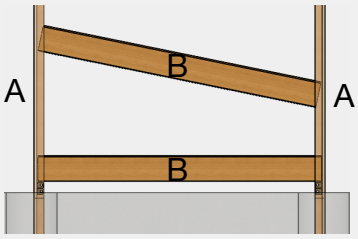
1. Board Stops (A1) come pre-installed from factory; refer to the image to identify them. This is where the first board (B) will rest.



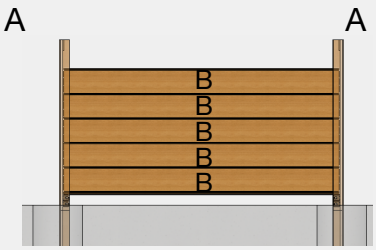
2. Slide the first board (B) into the U-posts (A) and let it rest on the board stops (A1).



3. Continue sliding the remaining boards (B) into position. DO NOT USE A HAMMER TO FORCE THE FENCE BOARD INTO POSITION, AS IT MAY DAMAGE THE COMPOSITE FENCE BOARDS!



Note: *Do not install the final board (B) yet, as the top cable (D) must be installed in the last board before insertion.*



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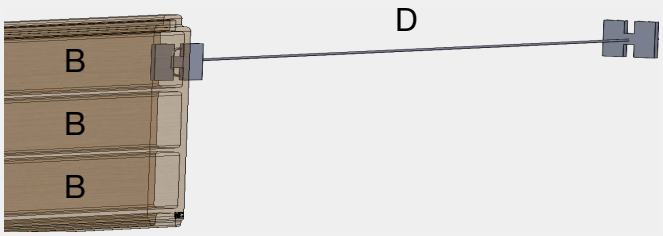
I. INSTALLING THE TOP CABLE

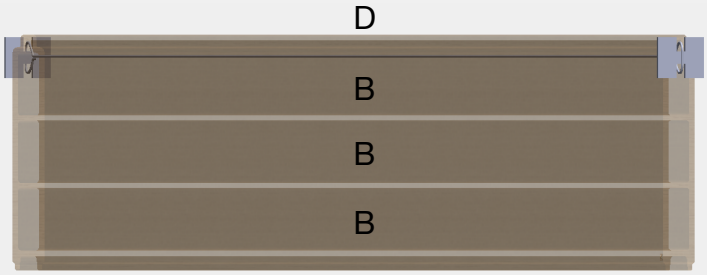
Can I paint my fence?
No! Painting is not advisable. Our products come pre-finished with durable, lasting color and a textured, non-reflective surface. They're designed to maintain their appearance without the need for painting, staining, or sealing—just occasional cleaning with soap and warm water.

The Top Cable (D) keeps the posts in the correct position and secures the boards inside the U-Posts (A). It comes fully assembled with two H-fasteners and a steel cable.

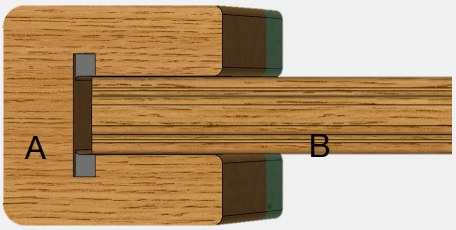
1. This image shows how to slide the top cable (D) inside the top cavity of the final horizontal board (B).



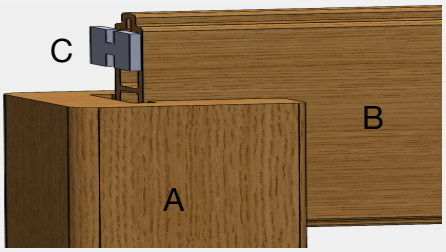
2. On this image the Top Cable (D) is inside the top cavity of the last board (B) with the H fasteners (part of D) outside the boards (as ears)



3. This image shows the grooves on the U-Post where the H-fasteners will slide in.



4. On this image the last board is being inserted into the U Chanel and the H Fastener is aligned with the U Post Groove.



5. This last image shows the last board (B) positioned correctly where the H-Fasteners are inserted into the U-Post grooves and the cable tensioned.

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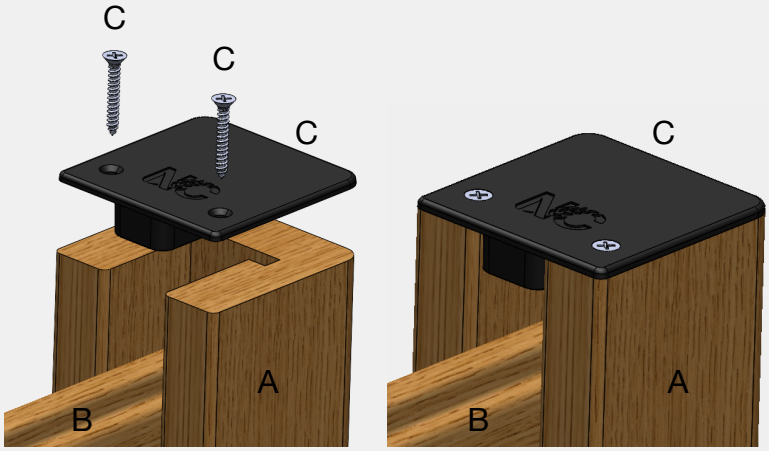
TOP CAP INSTALL

1. Position the top cap (C) directly on top of each U-post (A).
2. Insert and tighten the two Top Caps (C) using two 1-5/8 Torx Composite Screws (C) each with a Torx T20 Bit and power tool. Top cap and screws come in the same bag.
3. Repeat for both U-Channel Posts (A).



Congratulations! You did it!

QUESTIONS?

Check out our Frequently Asked Questions PDF in our Resource Center at www.naturescomposites.com/pages/resources or scan the QR code on the right.

For any further information or questions please email us at sales@naturescomposites or call us at (307) 338-2608.

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