

Bike Rack

Pressure Treated Lumber



Georgia-Pacific



Instructions

1. Plan your bike rack carefully considering the height, length and number of bicycles you wish to accommodate. You can adjust these plans to your exact specifications.
2. Cut lumber to size allowing for an additional 2½' for the four outside pickets, as they will be set into the ground to support the rack.
3. Determine the length of the rack by allowing 2½' for each bicycle and cut four pieces to serve as the horizontal supports.
4. Locate the placement of the vertical uprights so that these supports will accept the width of your bike's tire and rim on one piece and then transfer these measurements to the other three.
5. Drill a 7/8" hole 3/4" deep on the outside edge of the two bottom pieces. (Tip: Use tape to mark drill bit so you don't exceed 3/4".) This will serve as a countersink for the washers and nuts.
6. Drill 3/8" hole through all the horizontal pieces.
7. Cut the vertical pickets you will need to the desired height. Remember to allow for the longer sections on the end.
8. From the top of each vertical picket measure down 2¼" and mark on center.
9. Drill a 7/8" hole 3/4" into wood for countersink followed by the 3/8" hole through the picket.
10. Using one of the shorter pickets, measure 3/4" up from the bottom, mark on center and transfer these to the four longer outside pieces.

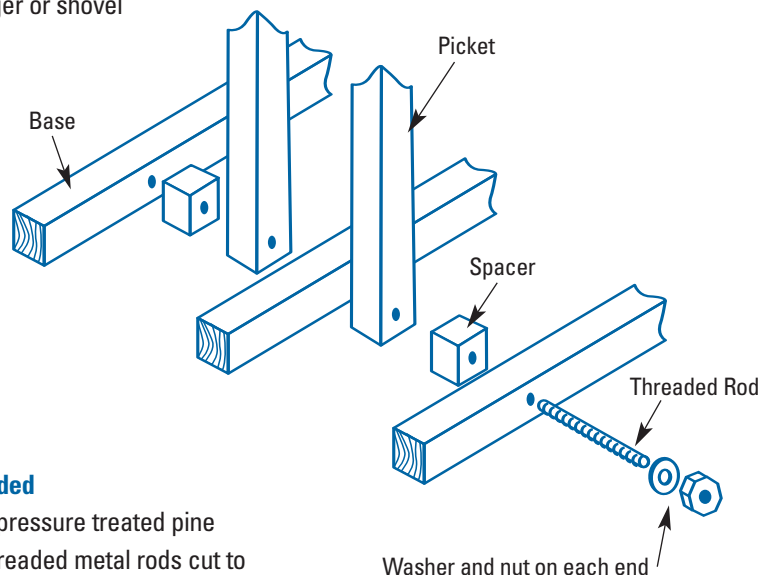
Bike Rack

You can custom build this attractive outdoor bike rack to your exact specifications. Pressure treated lumber assures you years of use, and its clean wooden lines are a plus for any landscape.

Tools

- Saw for cutting lumber
- Drill with 7/8" and 3/8" bits
- Hack saw
- Socket wrench
- Posthole digger or shovel
- Level

(Instructions continued on page 2)



Materials Needed

- 15-2" x 2" x 8' pressure treated pine
- 8½' of 15/16" threaded metal rods cut to nine 11¼" sections

Georgia-Pacific Corporation makes no warranties expressed or implied, regarding this plan and specifically disclaims the warranties of merchantability and fitness for a particular purpose. Check with an architect or a building expert to make sure that this plan is appropriate to your situation and meets local building codes. Read carefully the consumer information sheet on pressure treated wood before starting construction.

Did you know?

- **Pressure treated wood** may be painted or stained to match any outdoor color scheme. High-quality latex-based paints and oil or latex stains are recommended. Make sure the wood is dry and free from surface deposits before applying any coating.
- **Water repellent coatings** can be applied to enhance the long-term weathering performance.
- **Only wood** that is visibly clean and free of surface residue should be used for patios, decks and walkways.
- **To help maximize surface protection** and to keep your wood looking better longer, GP recommends applying a surface water repellent every two years.

Questions and Answers

Q What kinds of projects are ideal for pressure treated wood?

A Choose GP pressure treated wood for decks, porches, gazebos, planters, arbors and other outdoor structures. You'll enjoy the beauty of wood plus long-lasting performance.

Q How do I dispose of unused wood?

A Scraps and sawdust should be disposed with ordinary trash. Do not burn treated wood, as toxic materials may be produced as part of the smoke or ashes.

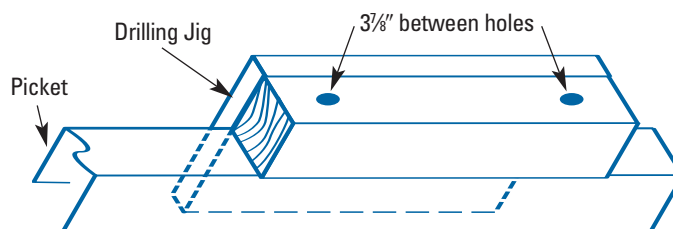
Q What is ACQ?

A Alkaline Copper Quaternary (ACQ) is a chemical solution used as a preservative treatment for wood to help provide long-term protection from rot, decay and termites. The main active ingredient in ACQ is copper, which has long been established as the most cost-effective preservative component used in preserving timber. Quaternary acts as the co-biocide in the ACQ preservative, providing additional protection from decay, fungi and termite attack that copper alone would not control. Copper and quaternary solutions similar to ACQ are used for the control of fungi and bacteria in swimming pools and spas.

Q How long has ACQ been in use?

A For more than a decade, ACQ has been used in neighborhood playgrounds, backyards and other outdoor projects.

11. Drill for countersink and follow with the $\frac{3}{8}$ " hole through the verticals.
12. Cut spacer blocks $1\frac{1}{2}$ " x $1\frac{1}{2}$ " x 2". There should be one spacer for each vertical upright. Drill $\frac{3}{8}$ " hole on center in each block.
13. Cut the threaded rod into $11\frac{1}{4}$ " sections. (Make sure nuts are on the rod before you cut to $11\frac{1}{4}$ ". This makes rethreading easier.) Assemble the rack using the threaded lengths of rod at the bottom secured from either side with nuts. The top is held with $\frac{5}{16}$ " bolts and nuts.
14. Determine the location for the bike rack in your yard. Dig two holes 2' deep and 6" in diameter where the outside vertical support posts will be placed. Fill the bottom of the hole with 6" of gravel for drainage. Set and level the bike rack. Fill the hole with concrete and allow to set. Replace fill dirt and turf.



If you don't have a drill press, your bike rack will be easier to assemble if you make this jig to keep drill straight.

For the latest information about pressure treated wood, visit www.gp.com, or call 1-800-282-0600.

Safety Dispatch

Build Safely with Pressure Treated Wood

Whether you're building a new planter or replacing your deck, Georgia-Pacific pressure treated wood is the high performance decking choice. The projects you build with Georgia-Pacific pressure treated wood products should last a long time. So, it makes good sense to build in a craftsman-like manner. Here are some helpful tips to make your job easier and look better.

1. Recommended Fasteners

Use only hot-dipped galvanized or stainless steel fasteners, connectors and hardware to help safeguard the structural integrity of projects built with ACQ treated wood.

As a minimum requirement for use with ACQ treated wood, hot-dipped galvanized

coated fasteners should conform to ASTM Standard A153 and hot-dipped galvanized coated connectors should conform to ASTM Standard A653 (Class G-185). In demanding applications, such as treated wood foundations and playground equipment, use of stainless steel fasteners and connectors should be utilized and may be required by building codes.

Electroplated galvanized fasteners are not recognized as being corrosion resistant for exterior applications. Aluminum should not be used in direct contact with ACQ treated wood.

2. Nail bark side up

Always nail boards bark side up (annual rings arc upward) to reduce cupping. Nail thin boards to thicker boards to help maintain structural integrity.

3. Drill pilot holes

Especially when nailing near the edge or end of a board, it's a good idea to drill pilot holes for your fasteners.

4. Butt boards tightly

Butt decking boards together firmly. As drying occurs, some shrinkage can be expected.

5. Apply a weather resistant finish.

Any exposed wood, pressure treated or not, should be protected from the weather. Application of a finish coat of clear or semi-transparent water-repellent stain will help to minimize warping, checking or splitting. The finish coat should be applied immediately to untreated wood and to pressure treated wood as soon as the surface is dry.

Safety First

Pressure treated wood is easy to work with. The following simple safety procedures are recommended.

- Do not burn treated wood. Toxic materials may be produced as part of the smoke or ashes.
- Clean up scraps and sawdust after construction and dispose by ordinary trash collection.
- Gloves should be worn to protect against splinters and abrasions.
- A dust mask should be worn when sawing, machining or sanding any wood to reduce the inhalation of wood dust. Whenever possible these operations should be performed outdoors to avoid indoor accumulations of airborne sawdust from treated wood.

- Appropriate eye protection should be worn to reduce the potential for eye injury from wood dust or particles and flying debris during machining and construction.
- After working with pressure treated wood, thoroughly wash your hands and exposed areas thoroughly with mild soap and water before eating, drinking or using tobacco products.
- Because preservatives or sawdust may accumulate on clothes, they should be laundered before reuse. Wash work clothes separately from other clothing or household items with which you may have contact.
- Treated wood should not be used where it may come into direct or indirect contact with drinking water, except for uses involving incidental contact such as fresh water docks and bridges.

Use Site Precautions

ACQ treated wood may be used both inside residences (should be clean and free of surface residues) and outdoors. However, it should not be used in or on sites where it could come into contact with food, animal feed or drinking water.

Examples of such sites are as follows:

1. Structures for storage or handling animal feed, (grain, silage, etc.) such as silos, feed troughs or bunks.
2. Use as kitchen countertops or cutting boards.
3. Use in construction of those portions of beehives which may come into contact with the honey.
4. Structures that would be in direct or indirect contact with drinking water, except for uses involving incidental contact such as residential fresh water docks and bridges. **ACQ treated lumber should not be used in salt-water immersion applications.**
5. Do not use ACQ treated lumber residues, such as sawdust and shavings, as mulch.



Georgia-Pacific Corporation
Building Products
55 Park Place, N.E.
Atlanta, GA 30303
1-800 BUILD GP
www.gp.com/build