



PROJECT PLANS

2-IN-1 OUTDOOR GAME

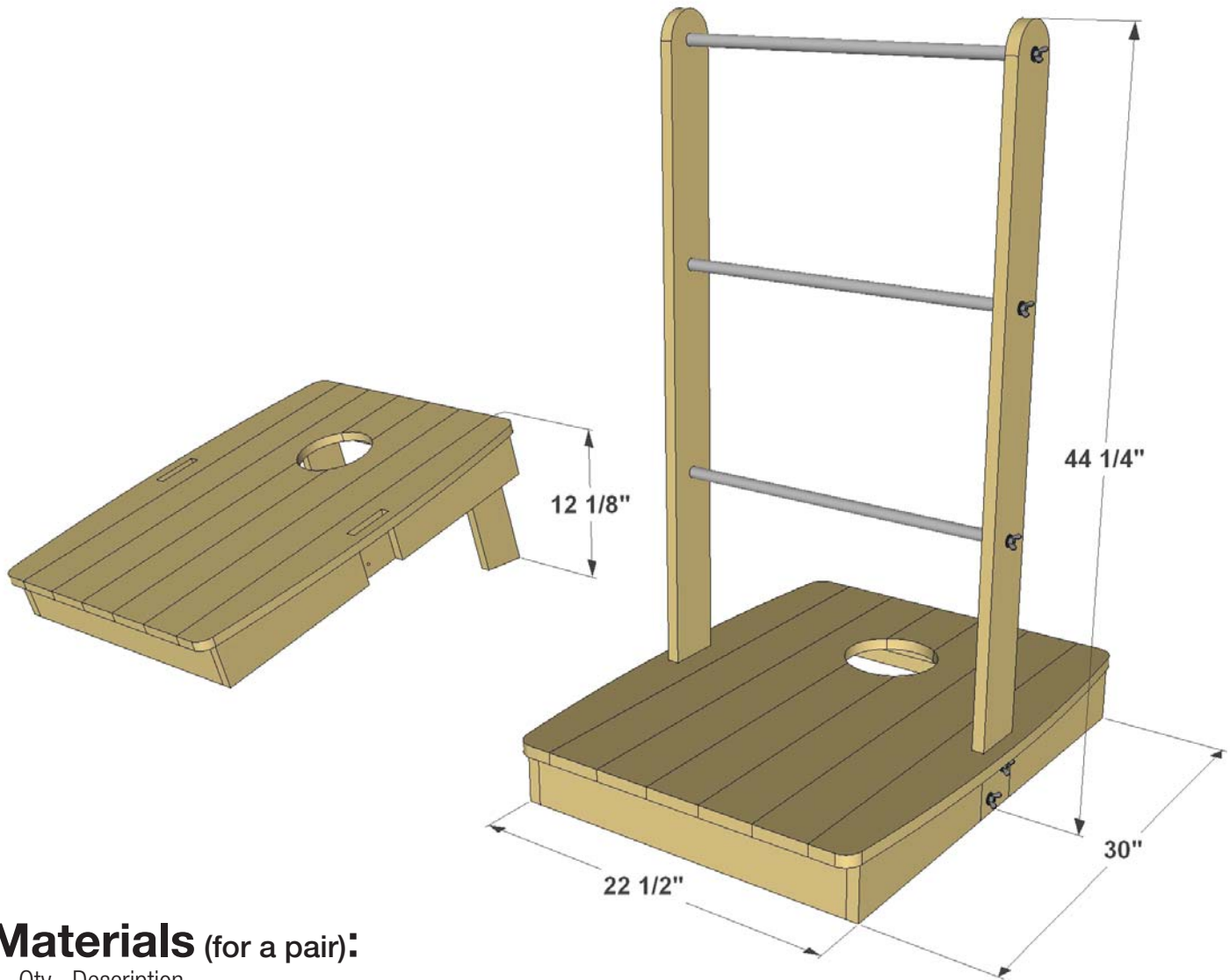
Add some fun to your outdoor living with this clever combination of two popular outdoor games. With the uprights installed, you can play ladder ball. Remove the uprights and flip down the legs, and you're ready for the fun of bean-bag toss!

The games are fun to play, and also fun as a project to build, because you can customize them to fit your style. Plus, they have a few curves thrown in that will test your cutting skills, and a mix of materials that may not always be on your project list. Of course, you might get really good at building these games. After all, once you've made yours and shown them to friends, they'll probably ask you to build a set for them, too.



Safety:

Attention: Almost any do-it-yourself project involves risk of some sort. Your tools, materials, and skills will vary, as will the conditions at your project site. Kreg Tool Company ("Kreg") has made every effort to be complete and accurate in the instructions and other content contained in this document. However, Kreg will not assume any responsibility or liability for damages or losses sustained or incurred in the course of your project or in the use of the item you create. Always follow the manufacturer's operating instructions in the use of tools, check and follow your local building codes, and observe all commonly accepted safety precautions. We strive to be accurate, but reserve the right to correct any errors.



Materials (for a pair):

Qty	Description
(6)	96"-long 1 x 4 Pine Boards
(8)	96"-long 1 x 4 Cedar Boards
(3)	60"-long 3/4" Conduit
(6)	24"-long 3/8" Threaded Rods
(24)	3/8" Wing Nuts
(28)	3/8" Flat Washers
(8)	2"-long 3/8" Carriage Bolts
(4)	3"-long 3/8" Carriage Bolts
(125)	1-1/4" Kreg® Blue-Kote™ Pocket-Hole Screws
(24)	1-1/4" Exterior-Rated Flathead Screws

Tools:

Drill/Driver
Kreg Jig®
Miter Saw
Jig Saw
Tape Measure
Hacksaw

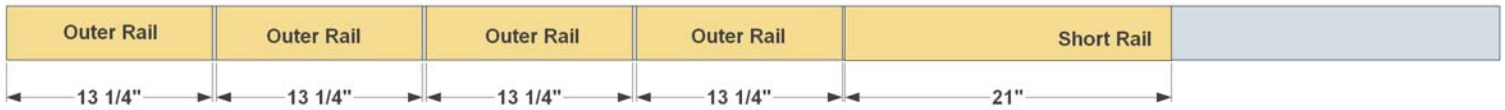
Pencil
Sandpaper and Sander
Paint and/or Stain
Optional Tools:
Circular Saw
Kreg Square-Cut™

Cutting Diagram:

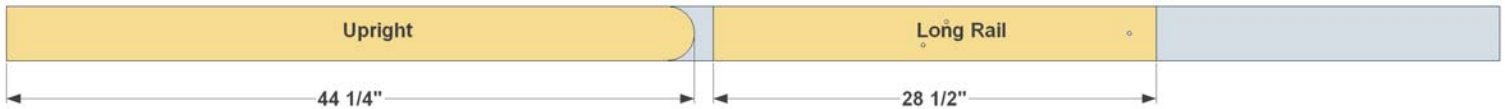
2 - 1 x 4 x 96" Cedar



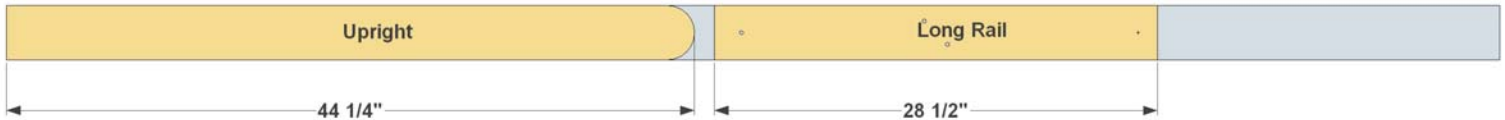
2 - 1 x 4 x 96" Cedar



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2 - 1 x 4 x 96" Cedar



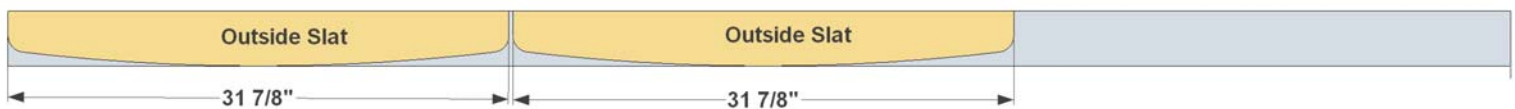
2 - 1 x 4 x 96" Pine



2 - 1 x 4 x 96" Pine



2 - 1 x 4 x 96" Pine



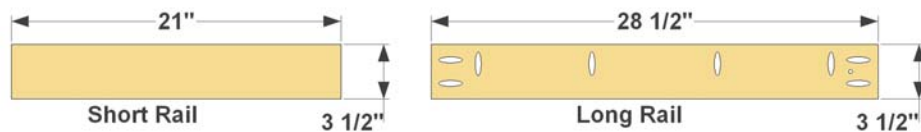
3 - 3/4" x 60" Steel Conduit



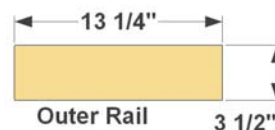
6 - 3/8" x 24" Threaded Rod



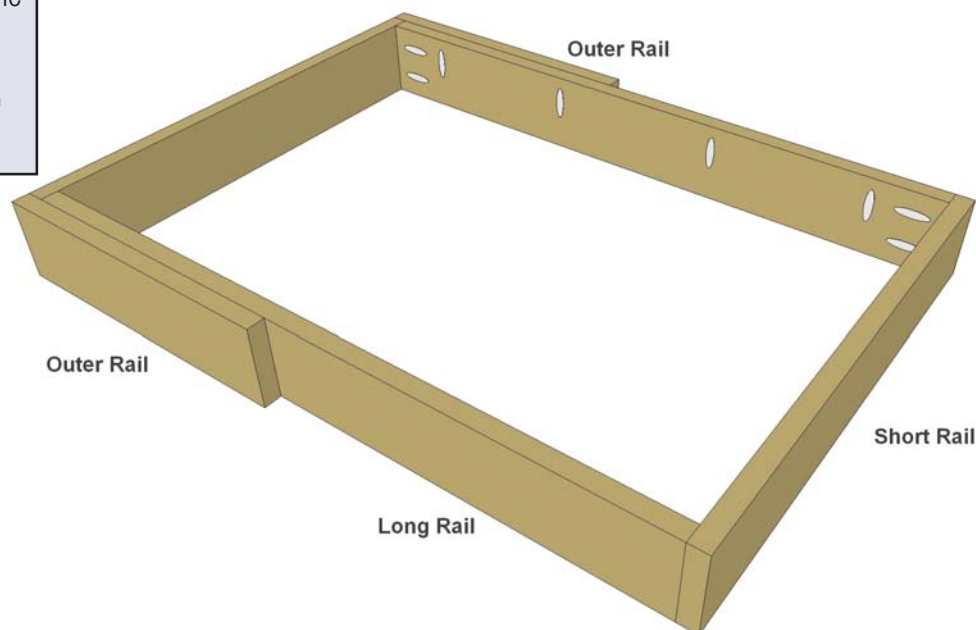
Step 1: Using the Cutting Diagram as a guide, cut two Long Rails, two Short Rails, and four Outer Rails to length from cedar boards for each base.



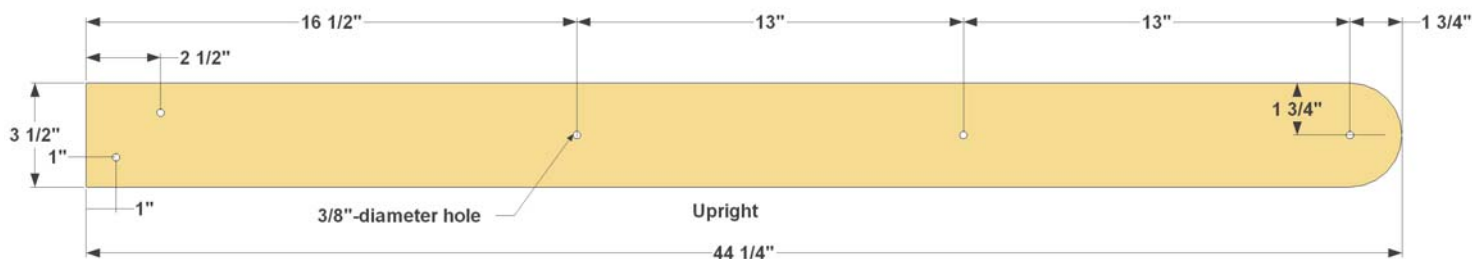
Step 2: Set your Kreg Jig® and drill bit for 3/4"-thick material. Drill pocket holes in the Long Rails, as shown.



Step 3: Start base assembly by joining the Long Rails to the Short Rails using 1-1/4" Kreg® Blue-Kote™ Screws. Then add two of the Outer Rails, as shown, using 1-1/4" flathead screws from the inside.



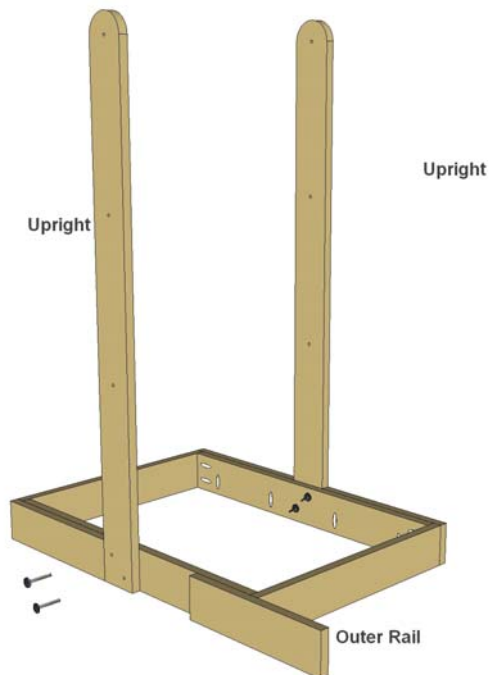
Step 4: Using the Cutting Diagram as a guide, cut two Uprights to length from cedar boards for each base. Shape the curved end using a jig saw. Shape the curved end using a jig saw.



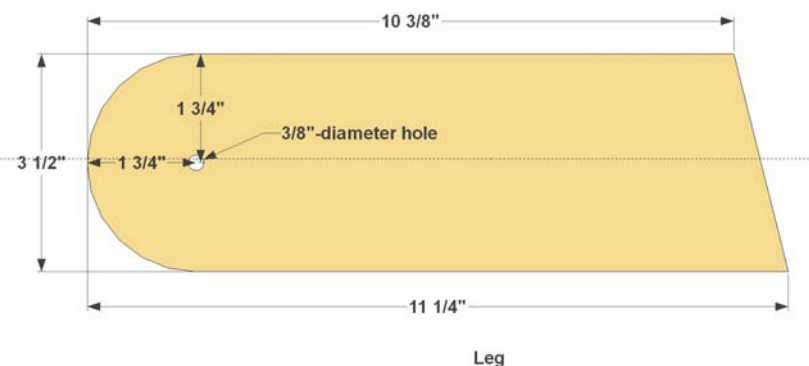
Step 5: Drill holes in the Uprights, as shown, for mounting bolts and for the threaded rods used to make the Ladder Rungs.

Step 6: Hold the Uprights in position against the partially assembled base, and then position the other outer rails. Trim these Outer Rails to length if necessary.

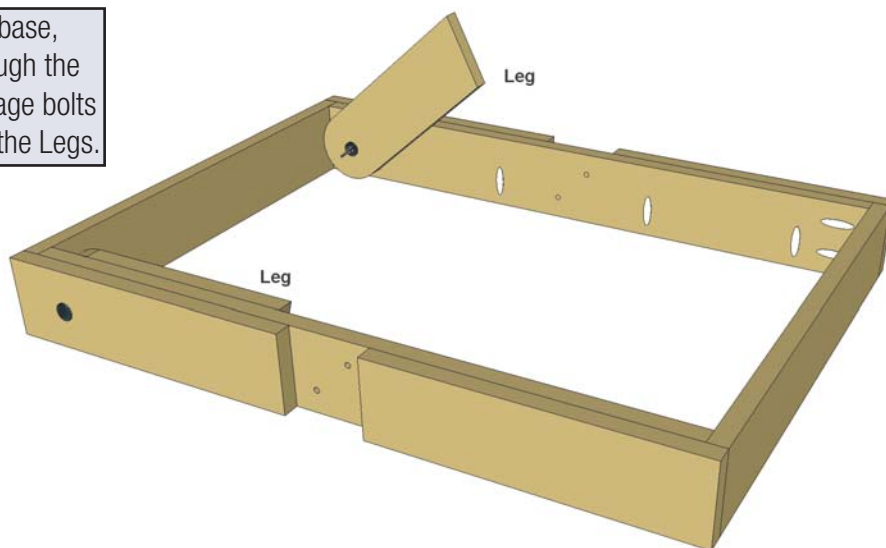
Step 7: Use the holes in the Uprights as guides to drill holes through the base Rails. These holes will receive 3/8" x 2" carriage bolts to secure the Uprights.



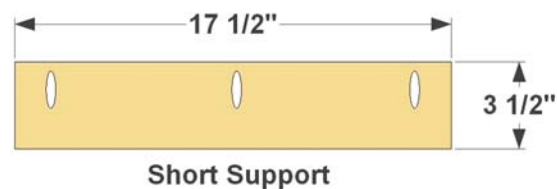
Step 8: Using the Cutting Diagram as a guide, cut two Legs to length from cedar boards for each base. Shape the curved end using a jig saw. Then Drill a pivot hole through each Leg, as shown.



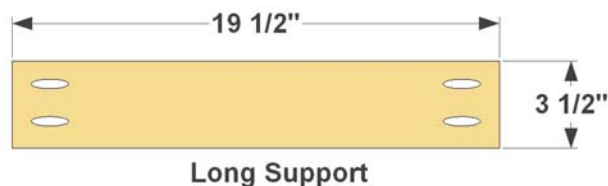
Step 9: Position each Leg inside the assembled base, and use the hole in the Leg as a guide to drill through the base rails. These holes will receive 3/8" x 3" carriage bolts (with a washer on each side of the Leg) to secure the Legs.



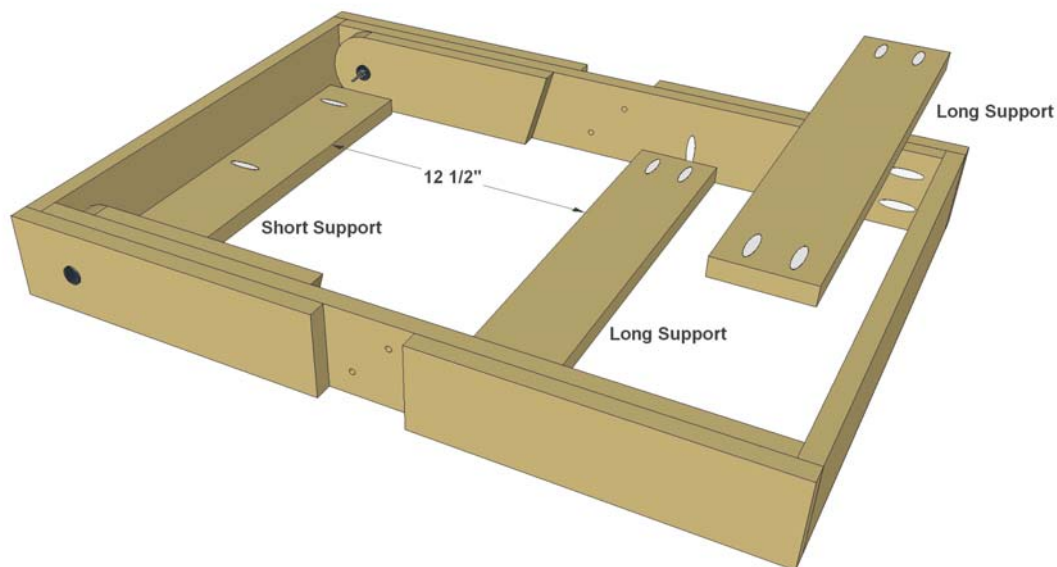
Step 10: Using the Cutting Diagram as a guide, cut two Long Supports and one Short Support from cedar boards for each base.



Step 11: Set your Kreg Jig® and drill bit for 3/4"-thick material. Drill pocket holes in the Supports, as shown.



Step 12: Install the Supports in the base using 1-1/4" Kreg® Blue-Kote™ Screws.

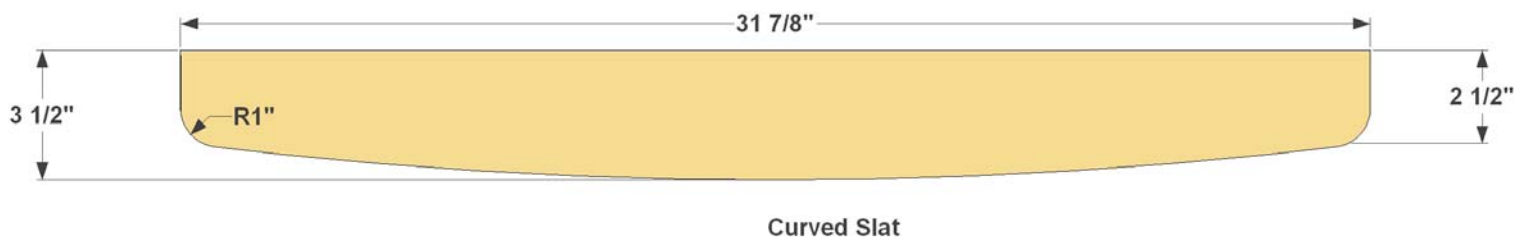


Step 13: Using the Cutting Diagram as a guide, cut seven Top Slats to length from pine boards.

Step 14: Create two Outer Slats by drawing gentle arcs on the boards, and then cutting them to shape with a jig saw.

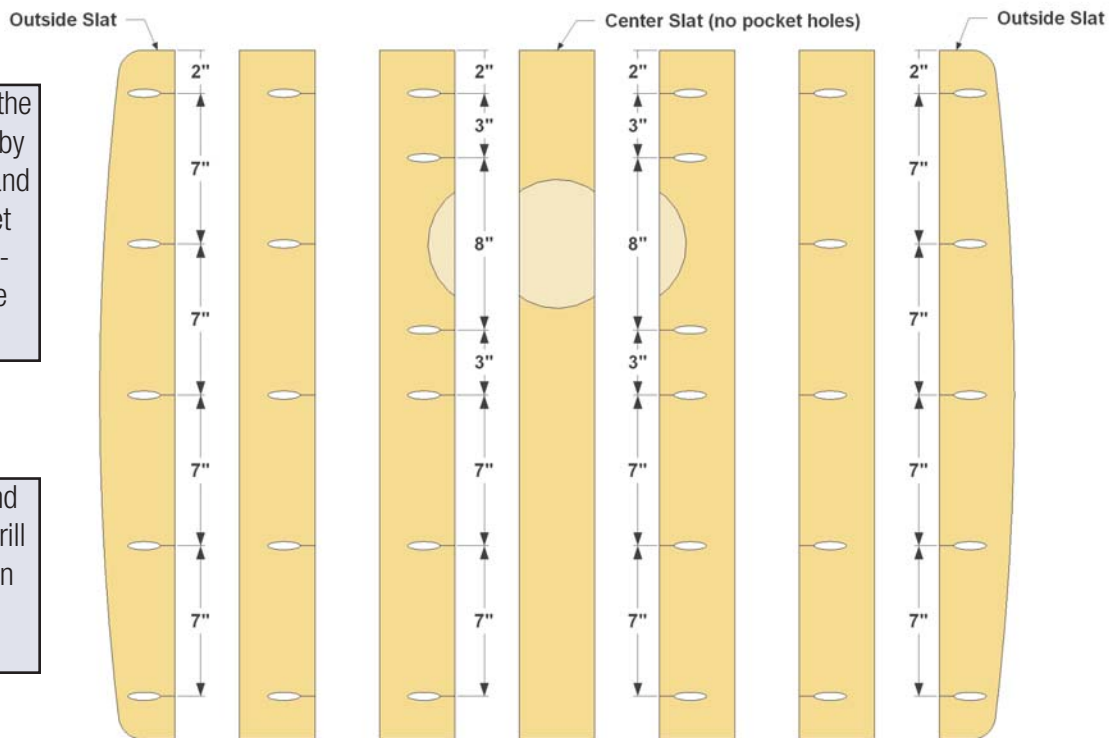
Quick Tip

Pine Boards make a better choice for the tops, because they're flat, have square edges, and are easier to sand smooth than cedar. Just be sure to protect them for use outdoors.

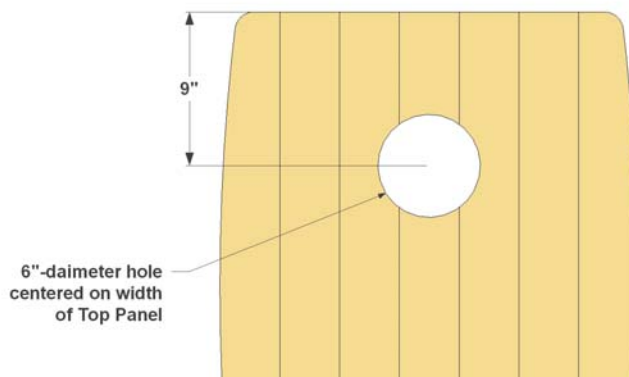


Step 15: Once you have all of the Top Slats shaped, lay them side by side — seven slats per base — and lay out the positions of the pocket holes. Note that there's some difference in placement to avoid the area around the bean bag hole.

Step 16: Set your Kreg Jig® and drill bit for 3/4" -thick material. Drill pocket the pocket holes, and then assemble the Slats using 1-1/4" Kreg® Blue-Kote™ Screws.

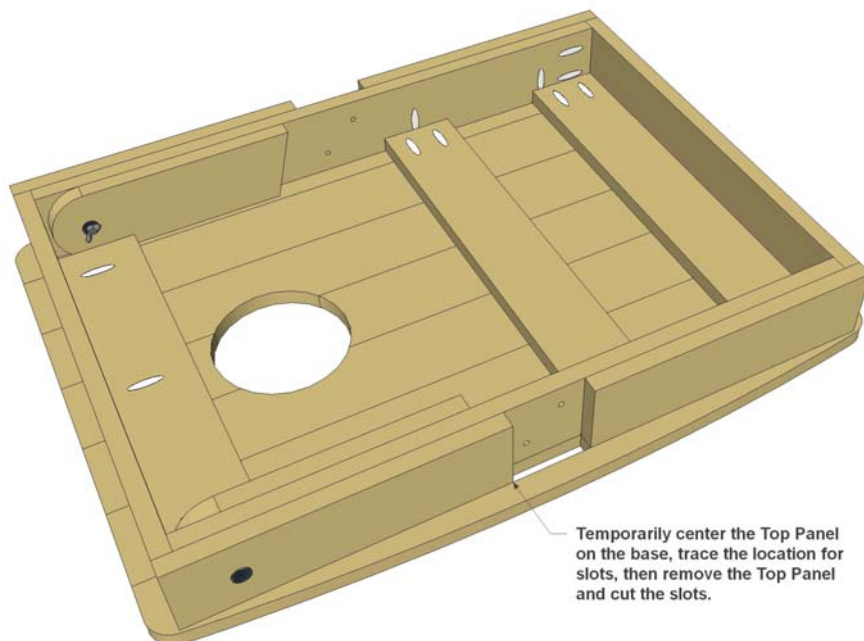


Step 17: Lay out a 6"-diameter hole in the top panel so that it's centered from side to side and 9" from one end.



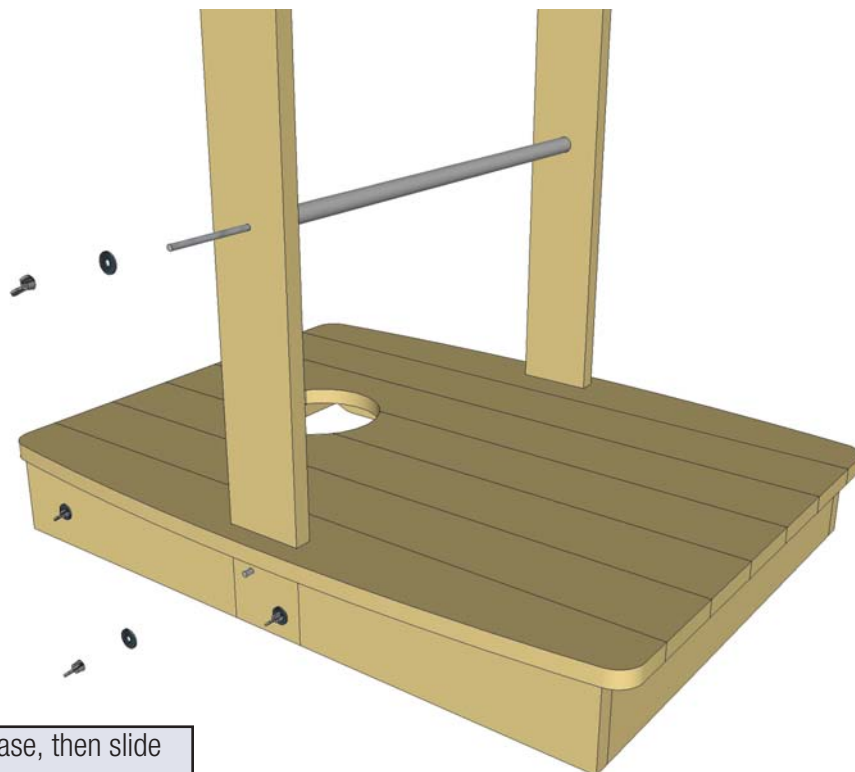
Step 18: Lay the top panel facedown, and then place the base on it, making sure it is centered and the hole is at the same end as the Legs. Then mark the locations for slots where the Uprights will come through the panel.

Step 19: Cut out the slots in the panel. To do that, first drill holes inside each corner of the slot, Then cut along the lines with a jig saw to complete the slots.



Temporarily center the Top Panel on the base, trace the location for slots, then remove the Top Panel and cut the slots.

Step 20: After cutting the slots in the panel, sand it smooth. Then decide how you want to paint or stain it. Paint provides a slick surface for the beanbags to slide on. Also sand the base and Uprights, and then stain or finish them.



Step 21: Place the top panel in position on the base, then slide the Uprights into position and tighten the wing nuts that hold them in place. This will hold the top panel in place as you attach it from underneath using 1-1/4" Kreg® Blue-Kote™ Screws.

Step 22: Using the Cutting Diagram as a guide, cut three Ladder Rungs to length from conduit for each base. A hacksaw works fine, but a pipe cutter works best for making straight, clean cuts.

Step 23: Push the threaded rods through the hole in one upright, then feed it through one of the Rungs and the other Upright. Secure the rods with washers and wing nuts at each end. In the future, when you want to remove the Uprights, leave the Rungs attached, and just undo the bolts that hold the uprights to the base.