

CastleUSA Corn Hole Board Instructions/Notes



This design is a regulation board size per the American Cornhole Association,

[Official Specification Standards as per their site:](#)

- The following dimensions and measurements serve to determine standards and specifications for regulation cornhole boards.
- Each cornhole board shall be 47½ to 48 inches long and 23½ to 24 inches wide, made of smooth plywood that measures at least ½-inch in thickness.
- Cornhole boards should be comprised of a wood surface and a wood frame. There is significant variance in play between wood and plastic or other surfaces.
- The hole in each cornhole board shall be 6 inches (+-¼-in) in diameter. Its center shall be 9 inches (+-¼-in) from the top and 12 inches (+-¼-in) from each side of the board edges.
- The front of the cornhole board shall be 3-4 inches from bottom to top.
- The back of the cornhole board shall be approximately 12 inches (+- ¼-in) from the ground to the highest point of the deck.
- The board finish shall be sanded to a very smooth texture, and there shall not be any blemishes in the wood surface that might disrupt or distort play.

- Application of non-permanent foreign substances onto cornhole boards is strictly prohibited. This includes talc, resin, spray, or powders.

See their website for more information,

https://www.playcornhole.org/pages/rules?srsId=AfmBOopFAa6_02ZHIjRbA-Sza-sz1Y5qv0YKMvTQUC_223JYaDKh6Yb2

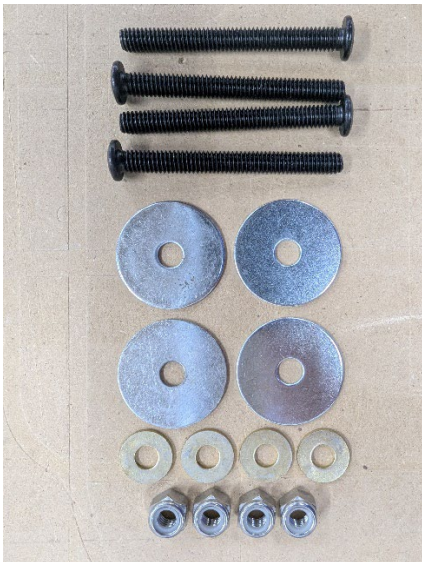
Bill of Materials:

Qty 1, 3/4"x48"x96" Sheet of Plywood (we used Baltic Birch)

Qty 4, 5/16"x3" Bolts

Qty 4, 5/16" Washers

Qty 4, 5/16" Fender Washers



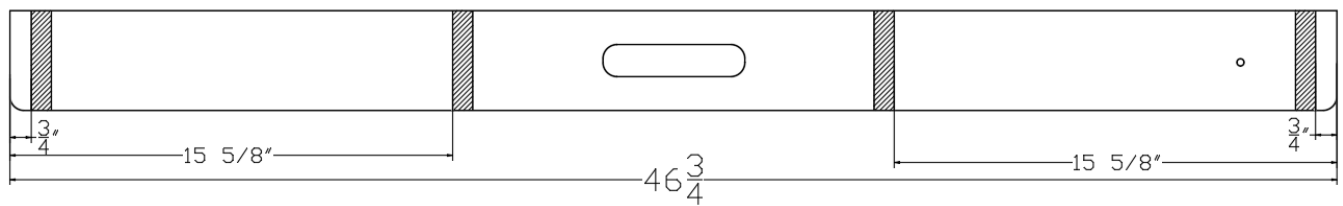
Construction is relatively easy. This design uses screw pocket joinery for construction. Use the pictures as a guide for construction details. Glue is not required, but a good option for the joinery. Follow the parts drawing on the last page for the needed parts. Please note that the cross members and leg stretchers are cut slightly long so that they can be cut down to exact length based on your plywood's actual thickness which is most likely between .71" and .73". Our Baltic birch was listed at 18mm or .708".

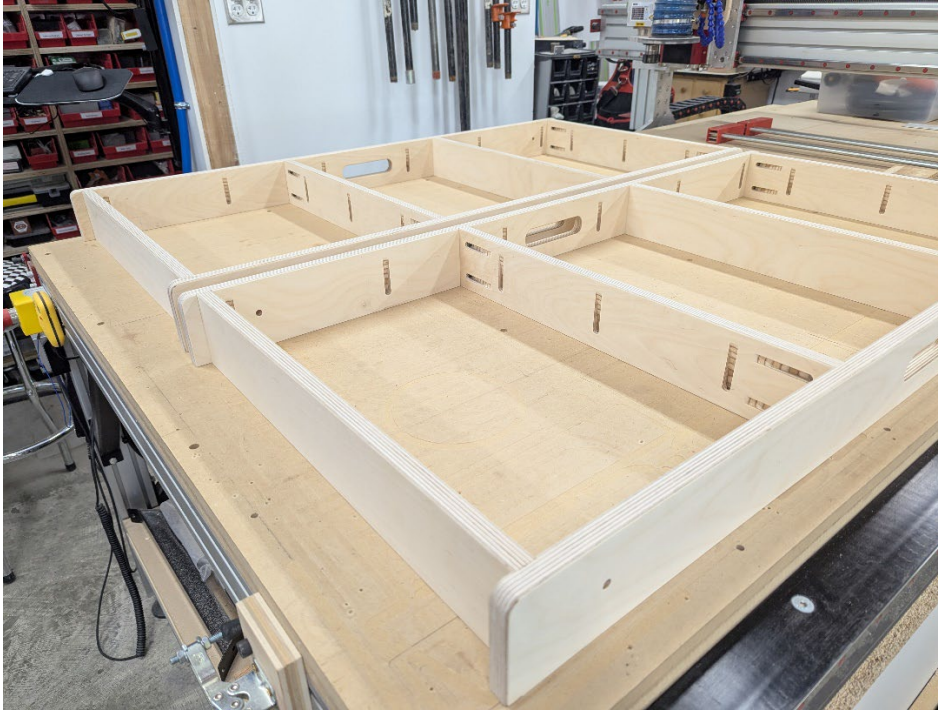
After all parts have been machined, cut your screw pockets on the left and right frames sides, cross members, and the leg stretchers. The position of the screw pockets is not critical. Use the pictures in here as a reference. Once the screw pockets have been cut, assemble the 2 frames with pocket screws. ***Note, the total width of the frame should be 22 3/4" wide, adjust your cross member length to adjust for plywood thickness.**



Cross members with screw pockets shown

Cross member positions on the frame sides:

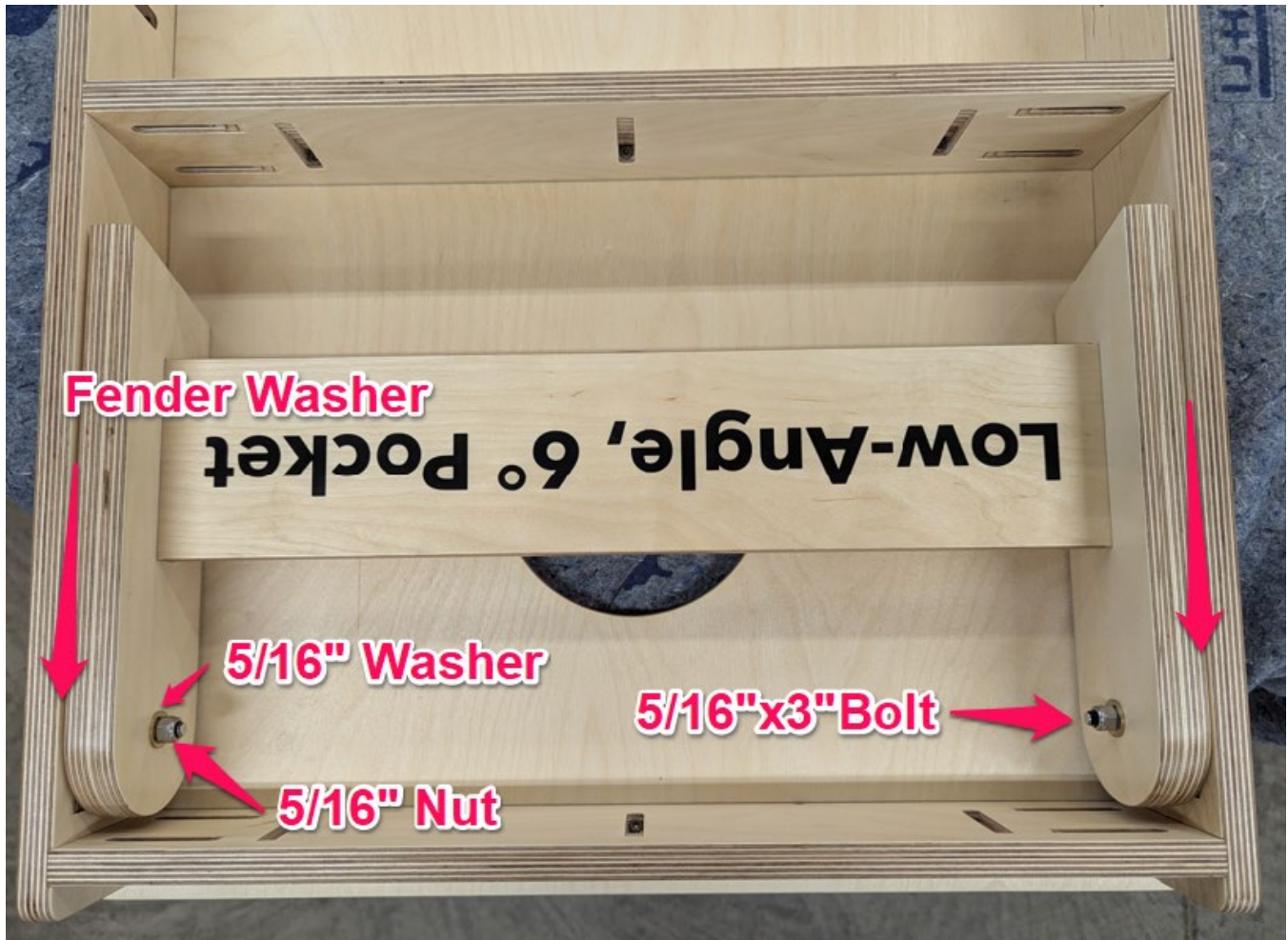




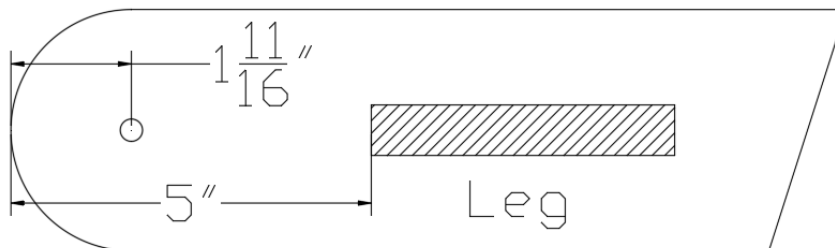
Next attach the tops to the frames using pockets screws. Remember that the 6" hole in the top will go on the end of the frame with the 2 5/16" holes in the frame sides (for legs).



For the legs you need to take 2 leg parts (you should have 8 total) and glue them together to double up the thickness. Do this for all 4 legs. The leg stretcher should be cut down based on the interior width of the frames with the fender washers and leg thicknesses being taken into account. The fender washers go between the outside of the legs and the inside of the frame sides.



Once the leg stretchers have been trimmed, cut your screw pockets on both stretchers. Assemble the legs and the stretchers with pocket screws. The stretcher is centered on the legs starting 5" down for the top of the legs.





Finish. You can finish just the top or the complete assemblies with your favorite topcoat. We coated ours with a 1k water based finish from Renner. A lot of users are using basic water based polyurethane for a big box store like Minwax Polycrylic. Once the finish is dry, use the bolts, washers, and nuts to attach the legs to the frames. Remember that the fender washers go between the legs and the frame sides. That's it!

Don't forget your Corn Hole Bags and Have Fun!

