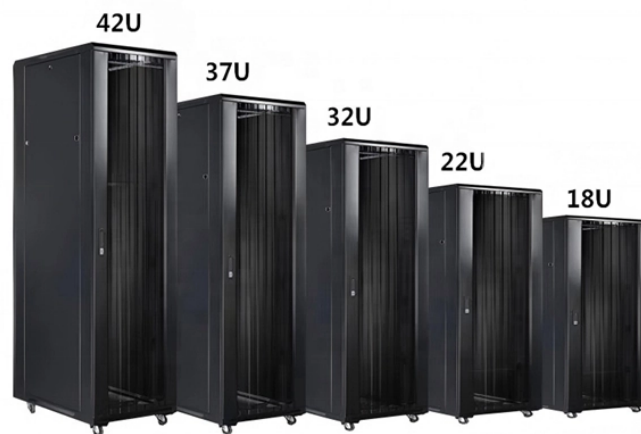


Joint Box Clamping Process



Overview

The last step to success in gluing up a perfect box joint is clamp-ing. If the fingers stand proud of the sides, you can't really apply clamps directly on the corners to pull the joints tight. We earn from qualifying purchases made through affiliate links. Gluing up box joints can be a tedious job, but there are a few things you can do to make the task easier. To help you succeed at your next clamping assignment, I'll tackle the most common glue-ups, including flat panels, casework, and mitered. When making box joints, per a number of articles I've read, I've left the fingers a touch longer than the thickness of the board. So if I'm making joints on 1/4" plywood, my fingers might be 5/16" long, and then I just sand them down at the end. If there are gaps or the joint slides together too easily, then the. Nasty stains can occur during glue-up if steel clamp beams are left in contact with wood dampened by glue squeeze-out or by scrubbing off the glue. Their inner surfaces are laid out with alternating pin-and-slot patterns to match whatever common joint I'm making — 1/4", 3/8", 1/2" or 3/4".

Joint Box Clamping Process



The answer is to use clamping blocks positioned near the joints. (For small projects that don't require much pressure, you can wrap a band clamp around the whole assembly.)



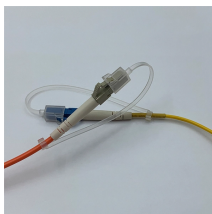
Finger joint boxes do not need to be clamped extremely tight, due to the strength of the box joints. Learn how to clamp box joints in this free woodworking video.more



For clamping box joints, I've found that offsetting the clamps just to the inside of the fingers ensures you will be able to pull the corners tight. With the clamps there, you will still be pulling ...



Made by gluing rails of equal width between two faces, box beams work like thick cauls to evenly distribute clamp pressure. They're great for gluing veneered panels or torsion boxes.



Work back and forth from bar clamps to caul clamps, tightening ...



Work back and forth from bar clamps to caul clamps, tightening each in succession until all clamps are tight, the joints are closed, and the board surfaces are aligned.



Choosing the right clamps for box joints is essential for achieving strong and precise joint connections. When selecting clamps, it is important to consider the specific requirements of your ...



Because many corner clamps fail to provide adequate pressure, you can improve the strength of mitered corners by constructing one or more pairs of the clamping jigs shown.



Gluing and clamping the finger joints is a crucial step in the process of creating strong and durable connections. Proper adhesion and alignment are essential to ensure that the joint is secure and will ...



The last step to success in gluing up a perfect box joint is clamp-ing. If the fingers stand proud of the sides, you can't really apply clamps directly on the corners to pull the joints tight.



Build perfect joints and hold them together during glue-up and assembly with this simple-to-use tool from Rockler.

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