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Project: Towel Hoop

Overview: This project makes great use of left over material around the shop. It can be a mix and match of different pieces of wood since it will all get covered with paint. These are very convenient to have in tight areas.

Materials: 3/4" Plywood, 2 - 1/4" x 1" dowels

Minimum Cutting Area: .7" x 8.5" x 20"

Bit Size: 1/4"

Finishing: To give the plywood a textured effect Rustolium hammered spray paint is used. Silver on the hoop and Bronze on the back piece.



Always read the entire project details before starting to cut the file yourself

Account for the thickness of the physical material on hand and the material thickness in the file

This file is zeroed to the tables surface, Zero your bit to the tables surface



Included with the cut file is a hold down toolpath that shows where it is safe to put screws. Run this file separately from the cut file so you can screw down the work piece, or if you have a different size board or different type of hold down disregard the file.

As the file starts cutting the profile of the parts make sure the cut is going all the way through the work piece and into the table surface. If you need to adjust any part of the file make sure you do not remove the hold down or you will loose position.

Tab are use to hold all the pieces to the scrap wood attached to them. Use a utility knife to score these edges. Never try to push a piece out without cutting the tab, it will tear the grain on your project. Sand remaining tab flat.



Use a hand file to shape the tenon round. If a Dremel is available it will help speed up the process.



The tenons need to be round like pictured above so the hoop can turn back and forth once the whole project is glued together.



Adding a routed edge to the front side of this project brings eye appeal to the finished product.



Sand all edges and faces smooth with both a power sander and hand sanding.



Use any stain or paint choice of your preference. But to add a hammered steel looking finish use Rustolium Hammered spray paint.



Make sure the dowels will fit in the holes nice and snug. Also make sure the dowels are no longer than 1" in length of they will push through and wreck the project.



Hammer the dowels into the back piece first. This piece is stronger than the front support and putting the dowels in here first helps the front support from taking on to much stress.



Line up the ring with the groove side up. Then apply some glue around the dowels and push the front support into place.



Depending on your wall material, drywall, tile, etc. use a proper hanging fastener to install the towel rack to the wall.