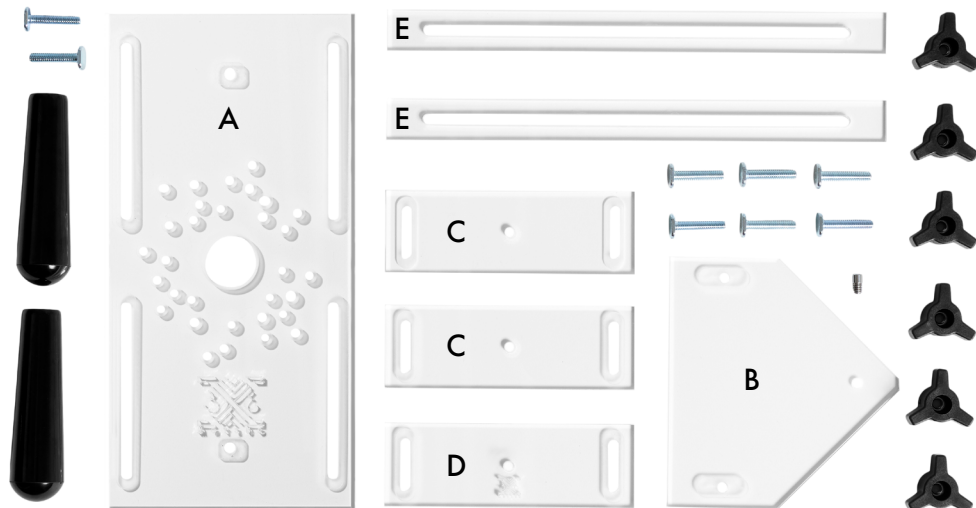




Thank you for purchasing the 3x3 Custom 6-IN-ONE Universal Trim Router Jig!

Before assembly, please make sure you have all the parts listed below.

- 1 - Main Base Plate (A)
- 1 - Triangle Base with Threaded Hole (B)
- 2 - Extension Feet with Smooth Center Holes (C)
- 1 - Extension Foot with Threaded Hole (D)
- 2 - Extension Arms (E)
- 2 - Handles
- 1 - Threaded Centering Pin  
(This is small, it will be taped to one of the handles)
- 6 - Knobs
- 8 - T-Bolts



Note: If you are having a hard time taking the paper off the acrylic, hit it with a heat gun and it should come right off.

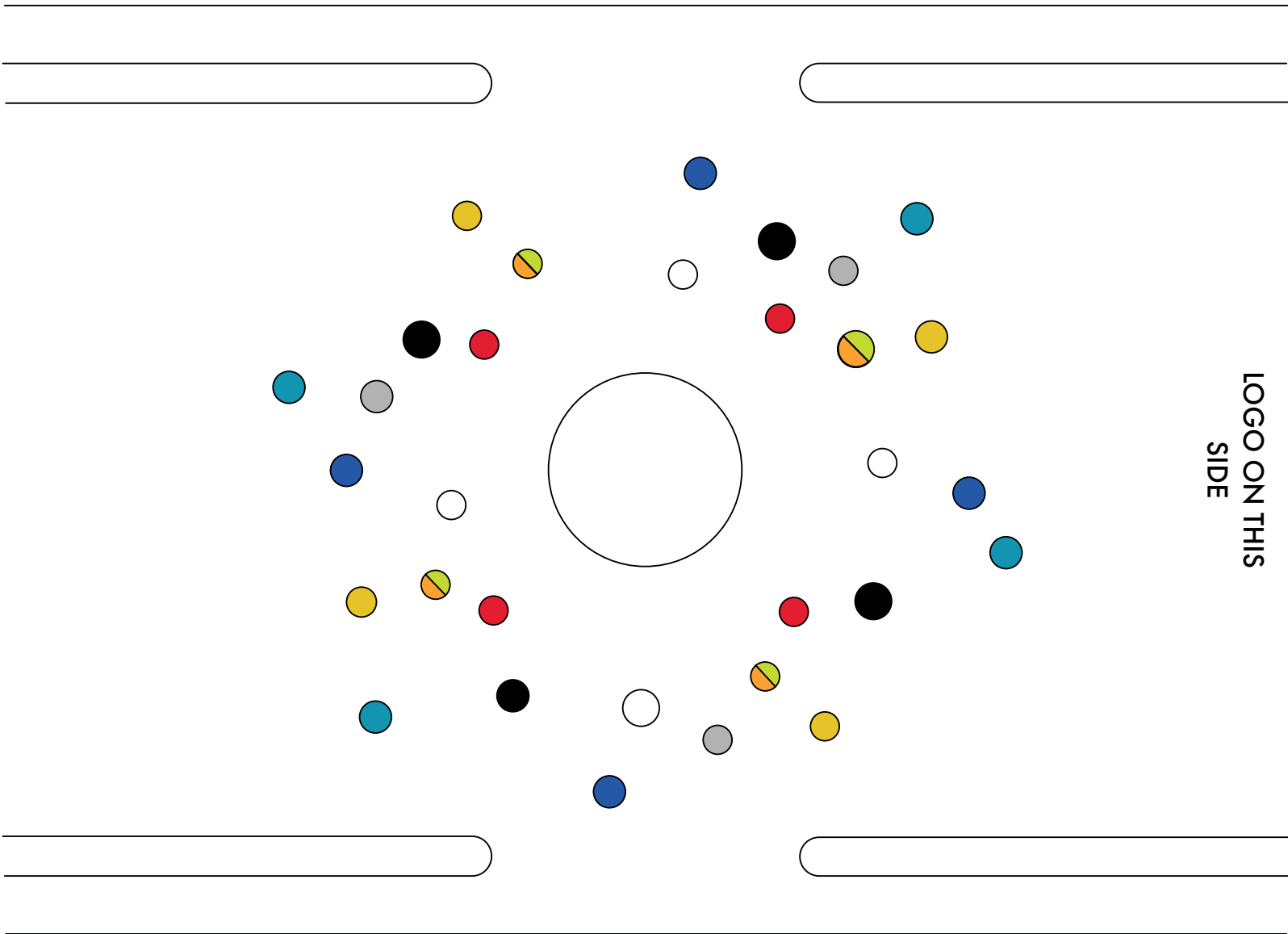
Let's assemble it!

# STEP 1

Find the correct holes for mounting your router.

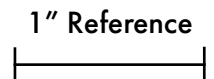
Place the Main Base Piece (A) on the guide below. Referencing the provided color chart, mark the correct holes for your router on the Main Base Piece (A).

Pro Tip: Make sure you are printing with the "actual size" box checked in Adobe Acrobat or your pdf viewer



(We suggest using a permanent marker for ease of use.)

- |   |  |   |  |
|---|--|---|--|
|  - MAKITA (ALL TRIM) |  - BOSCH COLT 3 HOLE            |  - DEWALT 611    |  - MAKITA PLUNGE |
|  - RYOBI/RIDGID      |  - BOSCH PLUNGE/<br>COLT 4 HOLE |  - DEWALT PLUNGE |  - MILWAUKEE     |



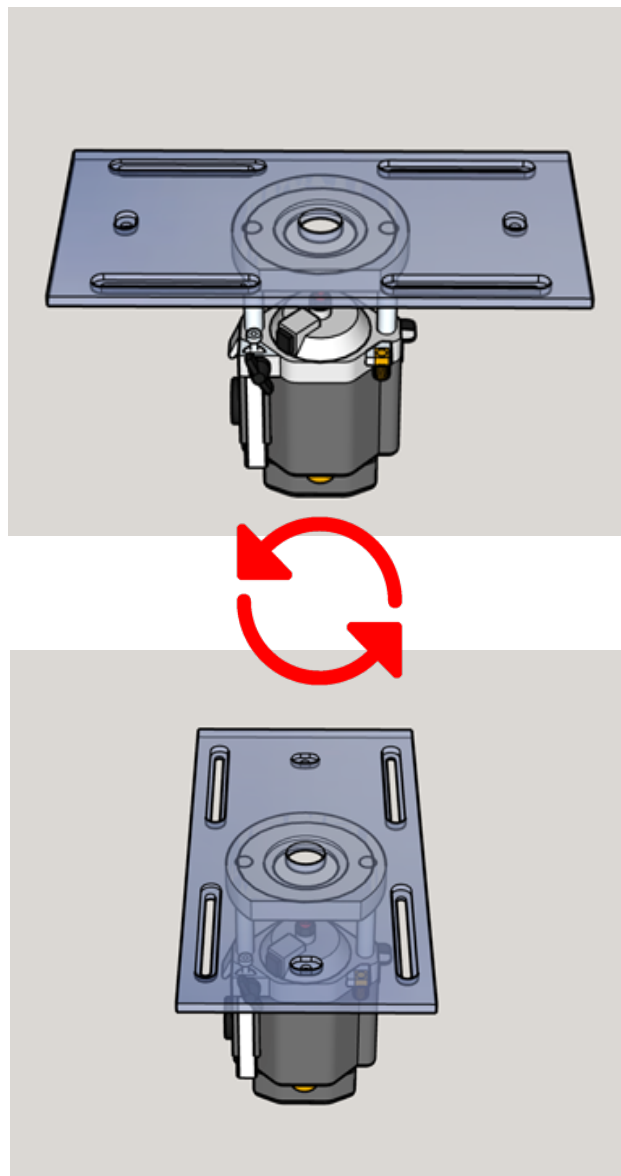
## STEP 2

Install your router.

Remove the stock baseplate from your router, make sure not to lose the screws!

Place the Main Base Piece (A) on your router base, line up the holes marked out in STEP 1, and lock the Main Base Piece (A) down using the screws that came with your router.

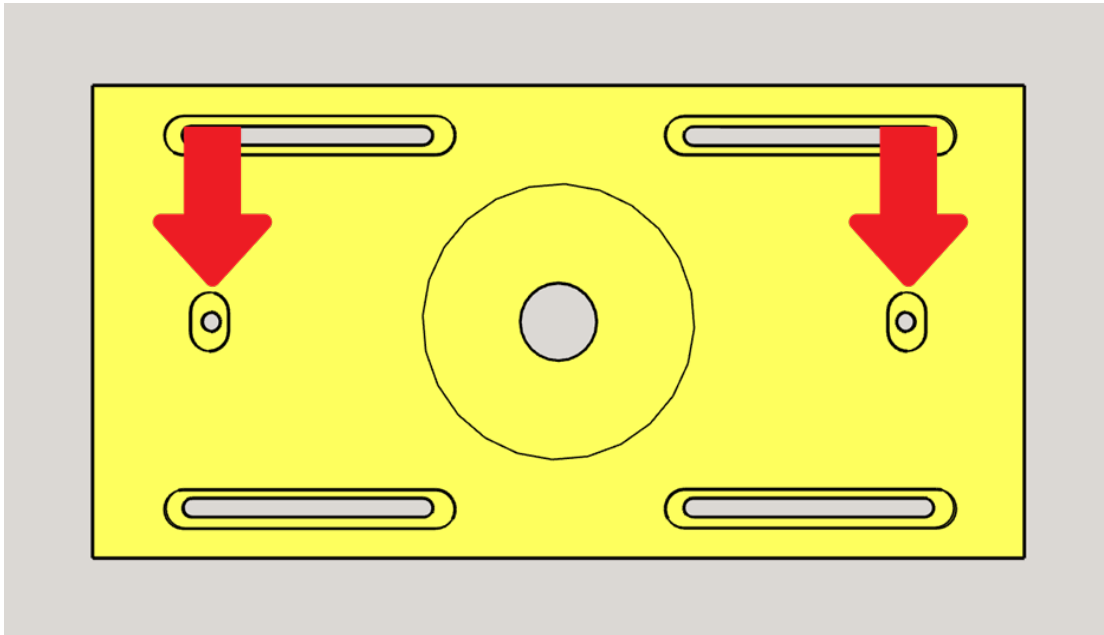
NOTE: You may need to rotate the Base 90 or 180 degrees for the holes to line up. Also make sure that the screws are going into the side with the recessed holes and sit below the surface of the Main Base Piece (A).



### STEP 3

Install the handles.

Place 2 T-Bolts in the holes designated for the handles on the underside of the [Main Base Plate \(A\)](#), and screw on the handles



It is easy to do this step with the baseplate on a flat surface. The head of the T-Bolts will lock into place in the recessed holes on the underside of the [Base Plate](#) when twisting on the handles.

Make sure not to over tighten the handles to avoid cracking the baseplate.

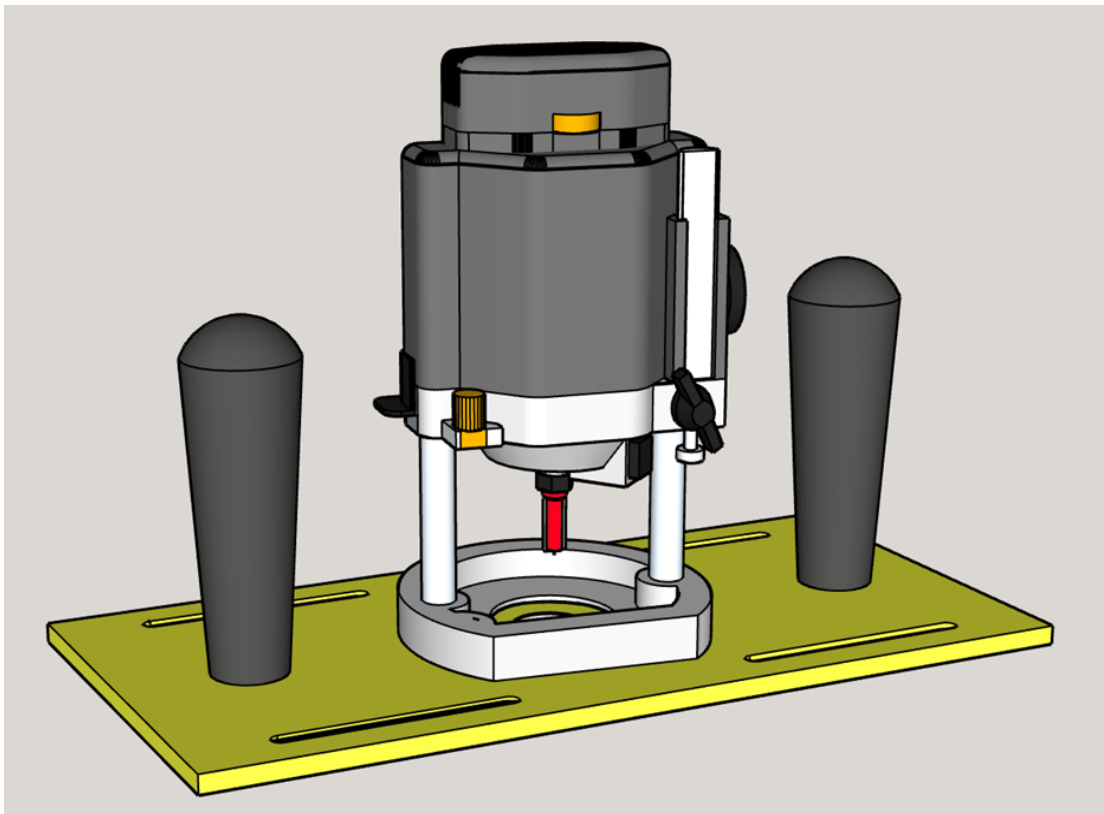
The [Threaded Centering Pin](#) will be taped to one of the handles. You can keep it screwed to the [Extension Foot with Threaded Hole \(D\)](#) for storage, but it can also be used in the [Triangle Base \(B\)](#)

That's all there is to it!

## How to use it!

### 1 - ULTIMATE CONTROL FOR FREEHAND ROUTING

Use the base without any of the attachments to route inlays or anything where you need ultimate control for fine detail work.



## 2 - FLUSH CUT INLAYS or PROUD JOINERY

Use the **Triangle Base (B)** and one **Extension Foot (C)** to lift the whole base up off the work surface so you can flush trim inlays or proud joinery.

The angles on the Triangle Base allow you to get into tight corners.

When locking all the extension feet/bases in place, make sure the pieces are oriented so the recessed portions are facing down. The Head of the T-Bolts should fit into the recesses and be flush with the bottom of the material.

A technical diagram showing a router jig assembly. A central yellow rectangular base is shown with a router bit mounted on top. Two triangular bases, one green on the left and one purple on the right, are attached to the yellow base. The green triangle is oriented with its hypotenuse facing the center of the yellow base. The purple triangle is oriented with its hypotenuse facing the right edge of the yellow base. The yellow base has several T-bolt slots and a central circular hole. The green and purple triangles have holes for T-bolts. The entire assembly is shown from a top-down perspective.

UNIVERSAL 6-IN-1 TRIM ROUTER JIG

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### 3 - FLUSH TRIM EDGE BANDING, DOVETAILS or BOX JOINTS

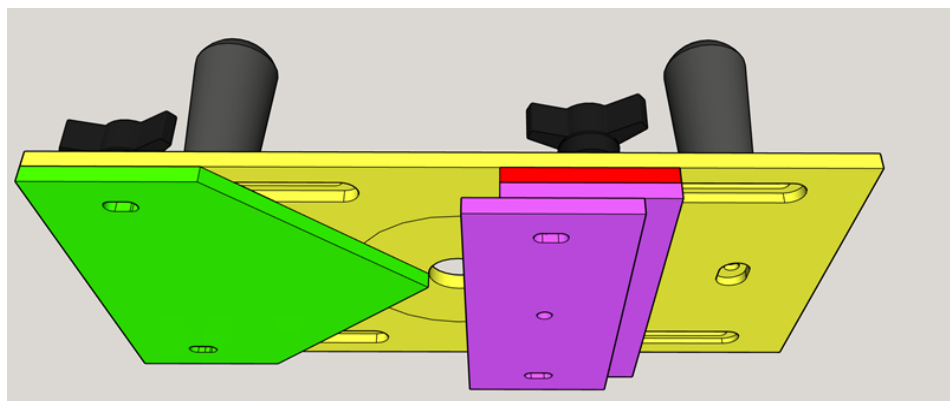
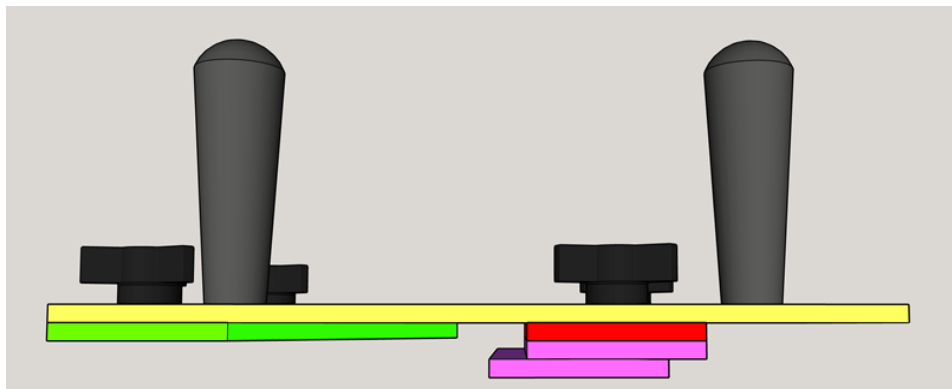
Use the **Triangle Extension Base (B)** on one side. This will lift the main base up off the work surface, leaving room for the edge banding (or proud Dovetails/Box Joints).

On the other side, install all **3 Extension Feet**. The first 2 should be set back from the router bit so they don't get destroyed.

The bottom one should be locked into place so it is touching the side of the edge banding.

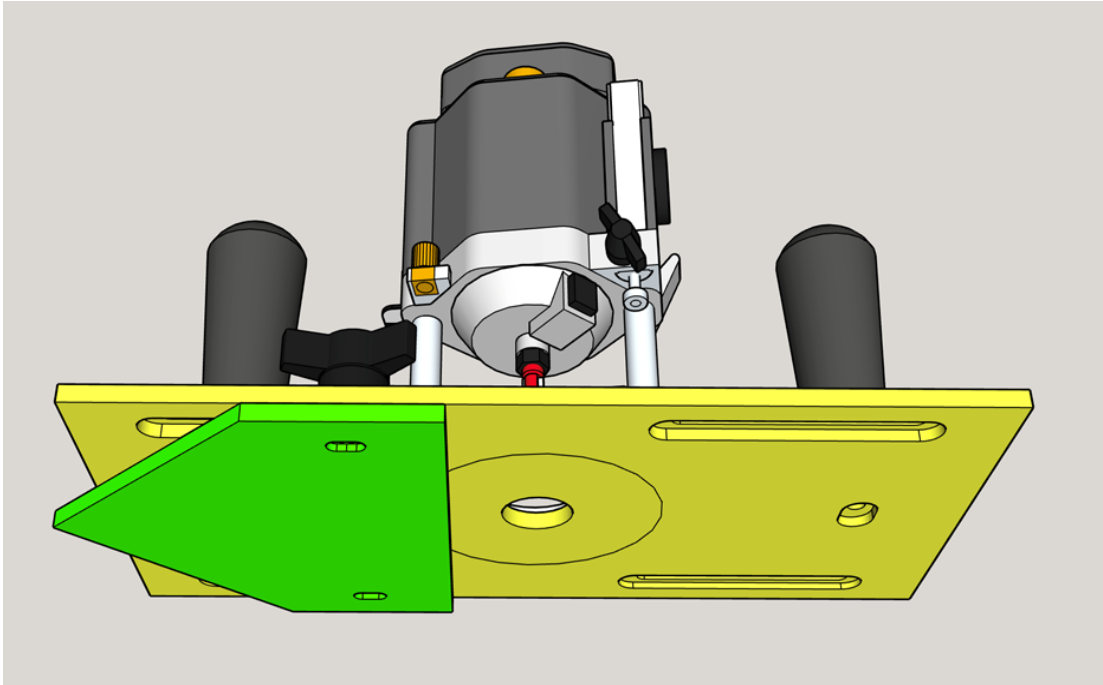
This creates a very stable set up so your router doesn't tilt one way or the other causing the router bit to dig into your work.

The **centering pin on piece (D)** is removable, but you don't need to remove it for this operation. Simply place it so the solid portion of the pin engages with the smooth hole on piece (C) when locking it in place as seen below.



#### 4 - EDGE GUIDE FOR DADOS, GROOVES or MORTISES

Attach any of the attachments to either side of the main base plate for an accurate edge guide!





## 5 - CIRCLE CUTTING

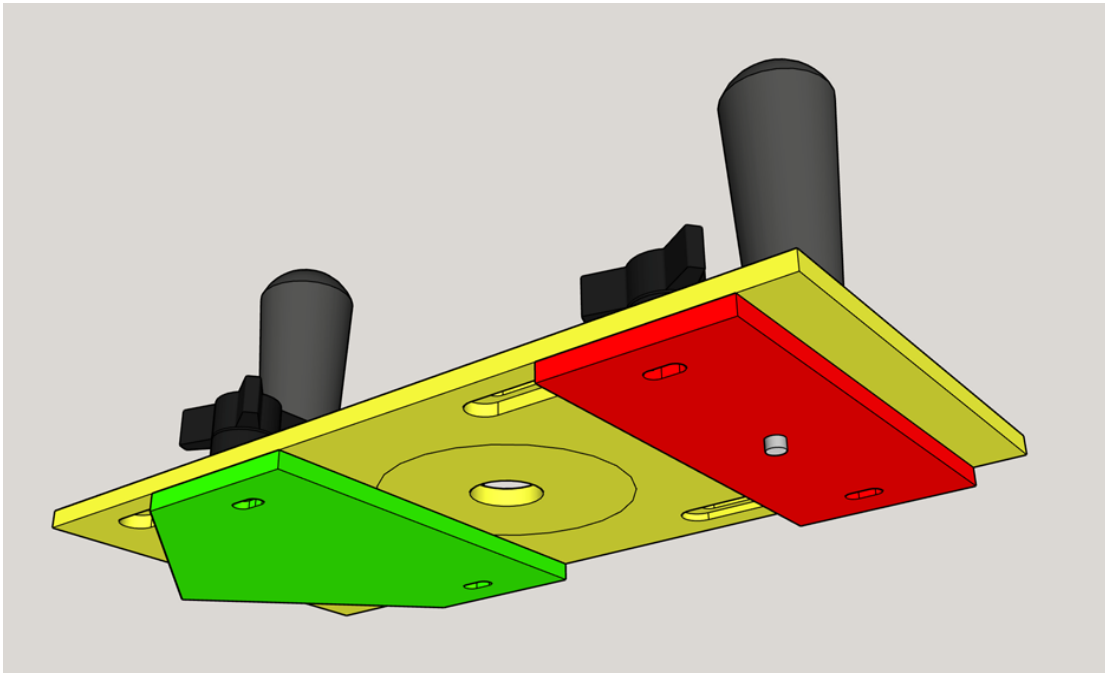
There are 2 ways to cut a circle with this jig

- #1 - WITH drilling a hole in the center of your workpiece.
- #2 - WITHOUT drilling a hole in the center of your workpiece.

### #1

To cut a circle WITH drilling a hole in the center of your workpiece, use the [Triangle Base \(B\)](#) on one side and the [Extension Foot with Threaded Hole and Pin \(D\)](#) on the other side.

Drill a 1/4" hole in the center of your workpiece, place pin in the hole and rotate.

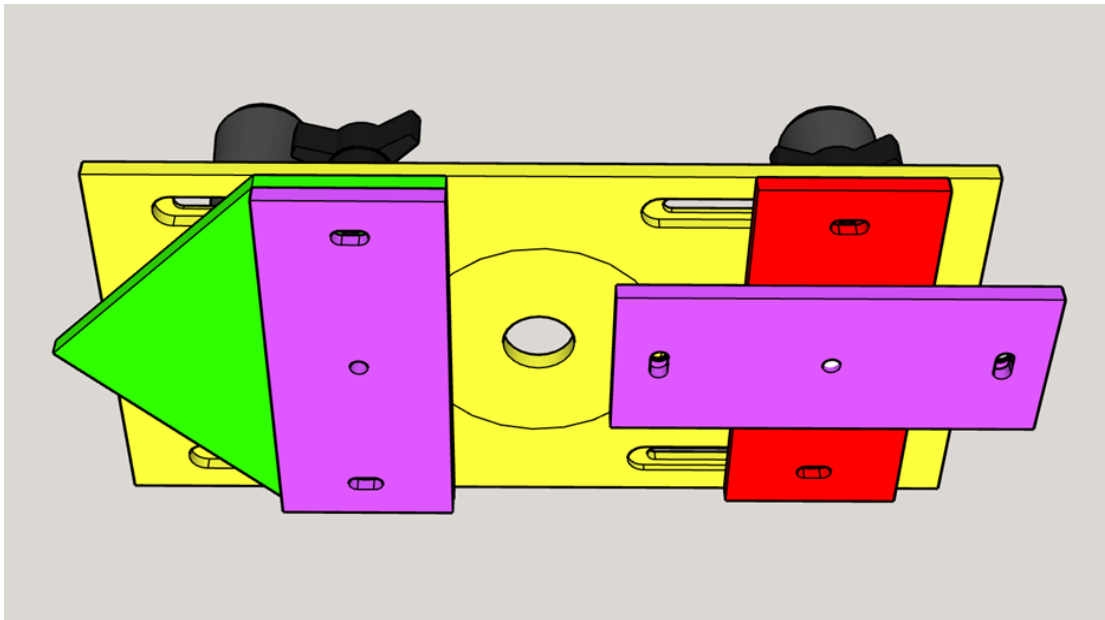


## #2

To cut a circle WITHOUT drilling a hole into the center of your workpiece, leave the set up the same as above, and add another **Extension Foot (C)** onto the **Triangle Base (B)** (pictured below on the left.)

Then double stick tape one of the **Extension Feet (C)** to the center of your workpiece.

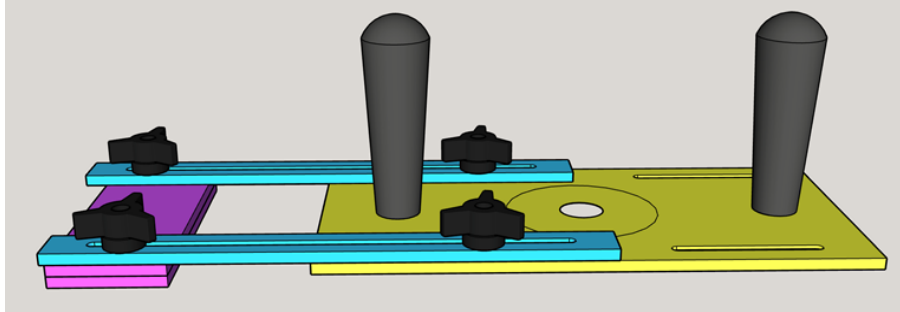
Place the pin from piece (D) inside the hole on the double sided taped **Extension Foot (C)** and rotate around.



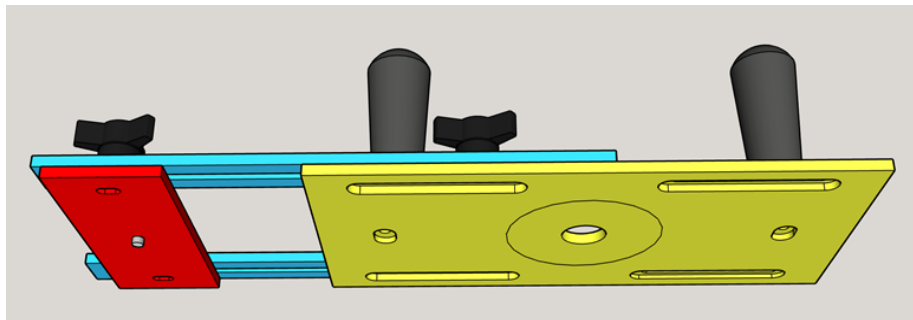
(Note: If you are cutting a smaller diameter circle, like 3", that double stick taped extension foot might be too big, just cut a scrap of 1/4" thick material that is smaller and drill and 1/4" hole into it. Then you can double stick tape that to your workpiece and use it as your pivot point.)

## 6 - BASE EXTENSION

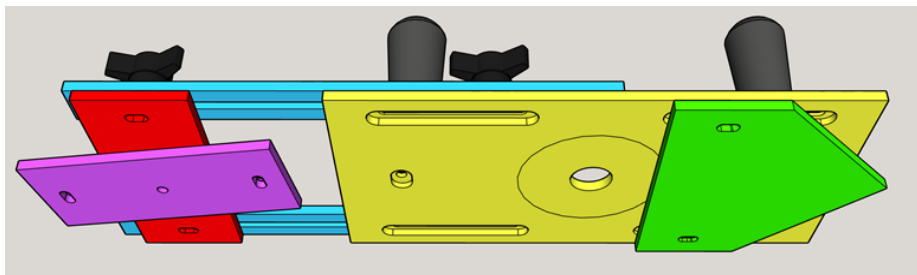
This can be used to extend the edge guide for dados and grooves by placing TWO of the **Extension Feet (C)** under the **Extension Arms (E)**.



OR you can make larger circles **WITH** drilling a hole in the center of your workpiece with the set up pictured below.  
**ONE Extension foot with PIN (D)** under **Extension Arms (E)**.



OR you can make larger circles **WITHOUT** drilling a hole in the center by adding the **Triangle Base (B)** to one side of the **Main Base (A)**, double stick tape one of the **Extension Feet (C)** to your workpiece and rotating around that!



## SOME THINGS TO NOTE!

**DO NOT** over tighten any of the knobs or t-bolts (you don't want to crack the acrylic) — but make sure all knobs are secured before cutting. If the knobs are not fully secured on the extension arms, they might twist if too much force is applied.

Also make sure you are not trying to take off too much material at once, so you don't have to apply any unnecessary force to the extension arms.

Make your deep cuts in multiple passes!

The threaded centering pin can be used in both the **Extension Foot with Threaded Hole (D)** and the **Triangle Base (B)** for cutting circles.

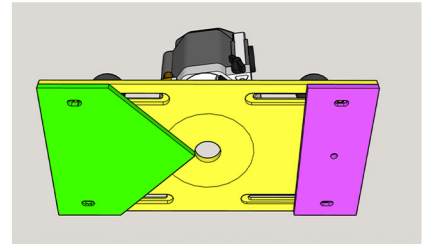
**PRO TIP!** To avoid losing the threaded pin, always store it in the **Extension Foot with Threaded Hole (D)**. There will never be an operation where it is required to be removed from that piece.

When using the jig with a plunge base, the supplied **Handles** may not fit. This is ok! Since plunge bases already have handles built into them, the supplied **Handles** would be redundant.

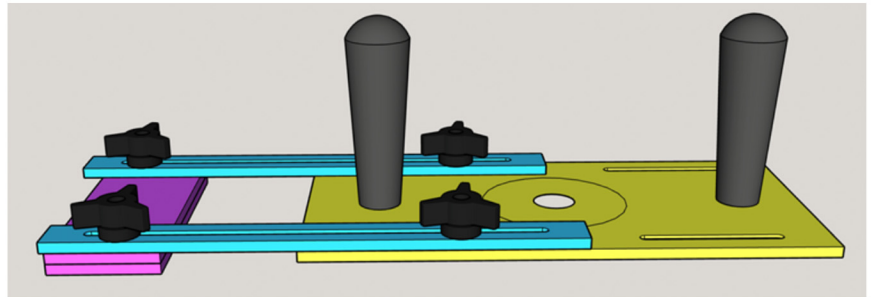
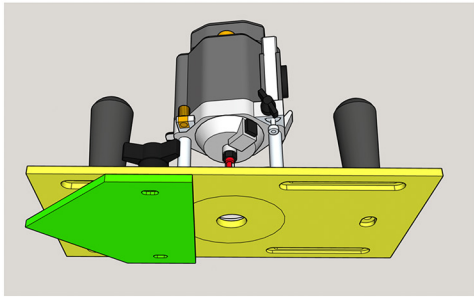
For more information on how to set it up and use it check out the full YouTube video or visit [www.3x3custom.com](http://www.3x3custom.com)!

# FLUSH TRIM INLAYS / JOINERY

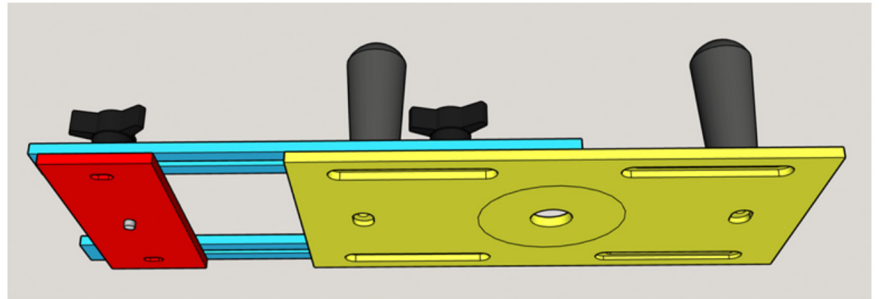
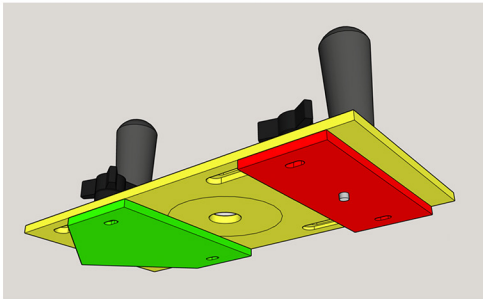
 **6-in-1 Universal Trim Router Jig**  
**QUICK GUIDE**  
[www.3x3custom.com/6in1-jig-instructions](http://www.3x3custom.com/6in1-jig-instructions)



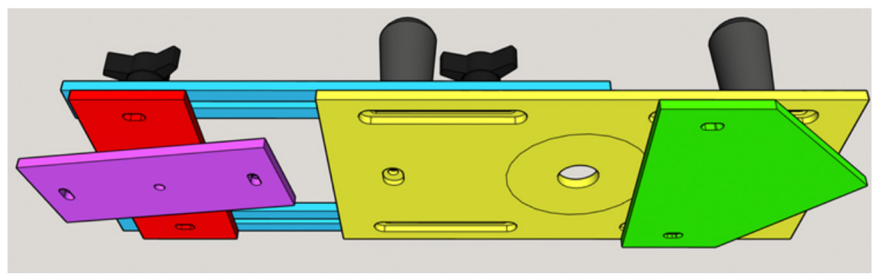
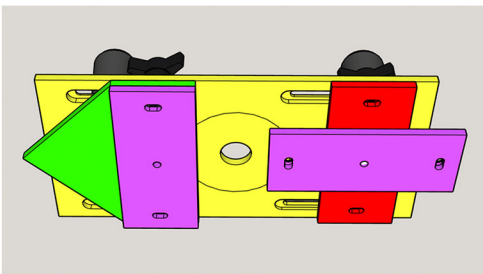
## EDGE GUIDE for DADOS, GROOVES & MORTISES



## CIRCLE CUTTING **WITH** DRILLING A HOLE



## CIRCLE CUTTING **WITHOUT** DRILLING A HOLE



## FLUSH TRIM EDGE BANDING

