



Woodpeckers® **RedTOOL** WOODSHOP PLANS

Level Up Your SandStand with the SandStand Platform



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What You Will Need

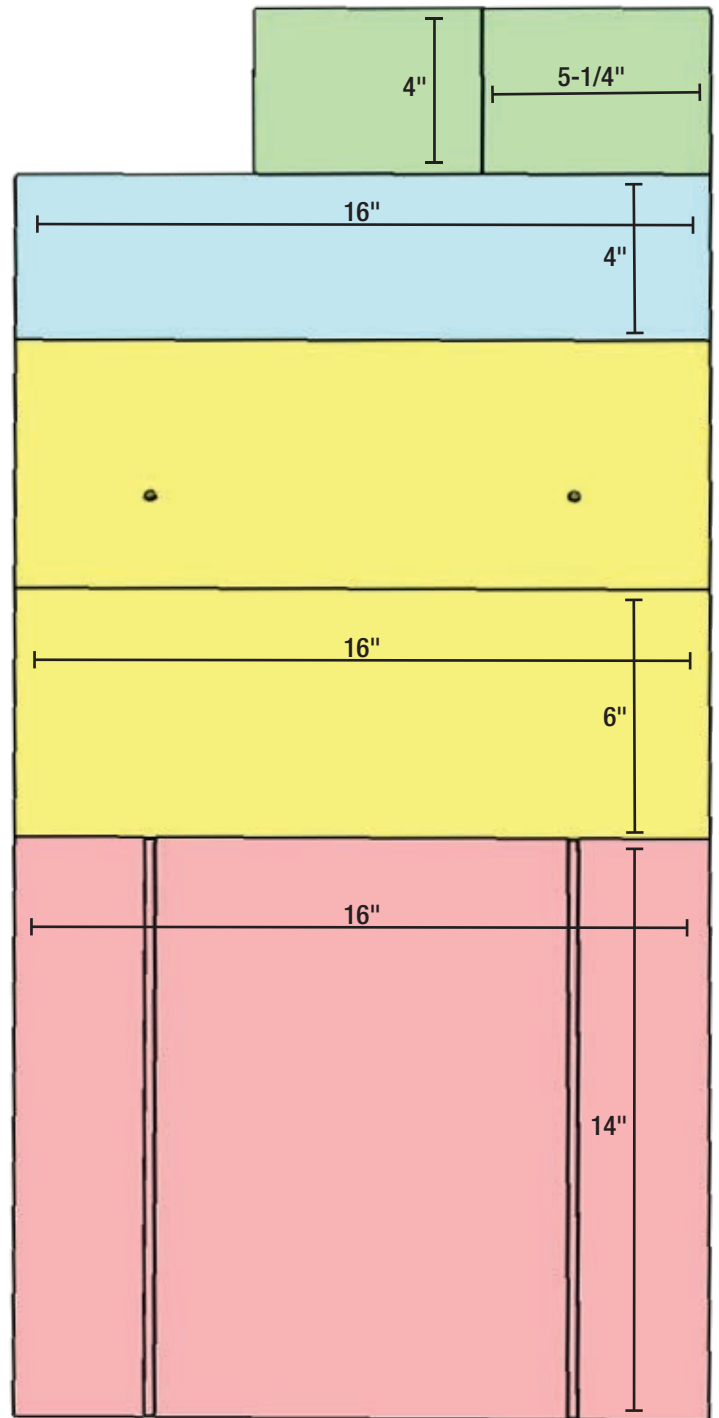
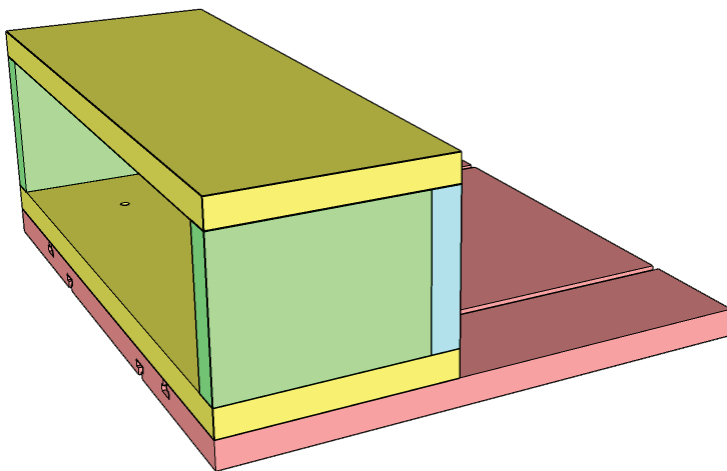
CUT LIST:

Component	Length x Width	Quantity
BASE	16" x 14"	(1)
SLIDING PLATFORM BASE & TOP	16" x 6"	(2)
PLATFORM SIDES	5-1/4" x 4"*SEE NOTE	(2)
PLATFORM FRONT	5-1/4" x 4"*SEE NOTE	(1)

***NOTE:** Cut your components for the jig using any 3/4" thick material. I used particle board for mine just because it was what I had laying around the shop. There are better and stronger options available that I'd recommend over this such as plywood or MDF.

The height of your Platform will vary depending on what sander you have. *(There's so many sanders on the market that I can't give you a standard one-size-fits-all solution.)* I'd recommend you build it so the top of the platform is sitting roughly 1-1/2" up from the bottom of your sanding disc when it's sitting at 90°.

The sander I have is a Festool ETS EC 125/3 EQ. If you have a different sander and need to make your platform a different size, you will have to alter the width of your Platform Sides and Platform Front. Refer to the image below to see how I built mine.



HARDWARE NEEDED:

- (4) Multi-Knob Mini-T SKU MMKB1410
- (2) Multi-Knob SKU: MKNB14X4
- (6) 1/4-20 Hex Nut SKU 13-HN020
- (6) 3/4" Nylon Washer SKU: NYL07720
- (4) 1/4-20 1" Hex Head Bolt SKU: 13-HB010
- (2) 1/4-20 1-1/2" Hex Head Bolt SKU: 13-HB015



- SandStand Tilting Sander Base SKU: SSTAND-23



ROUTER BITS NEEDED:

- 7/16" T-Slot Bit SKU: US5450TSSC
- Track Clamp T-Slot Bit SKU: US3054

1

Layout T-Slots

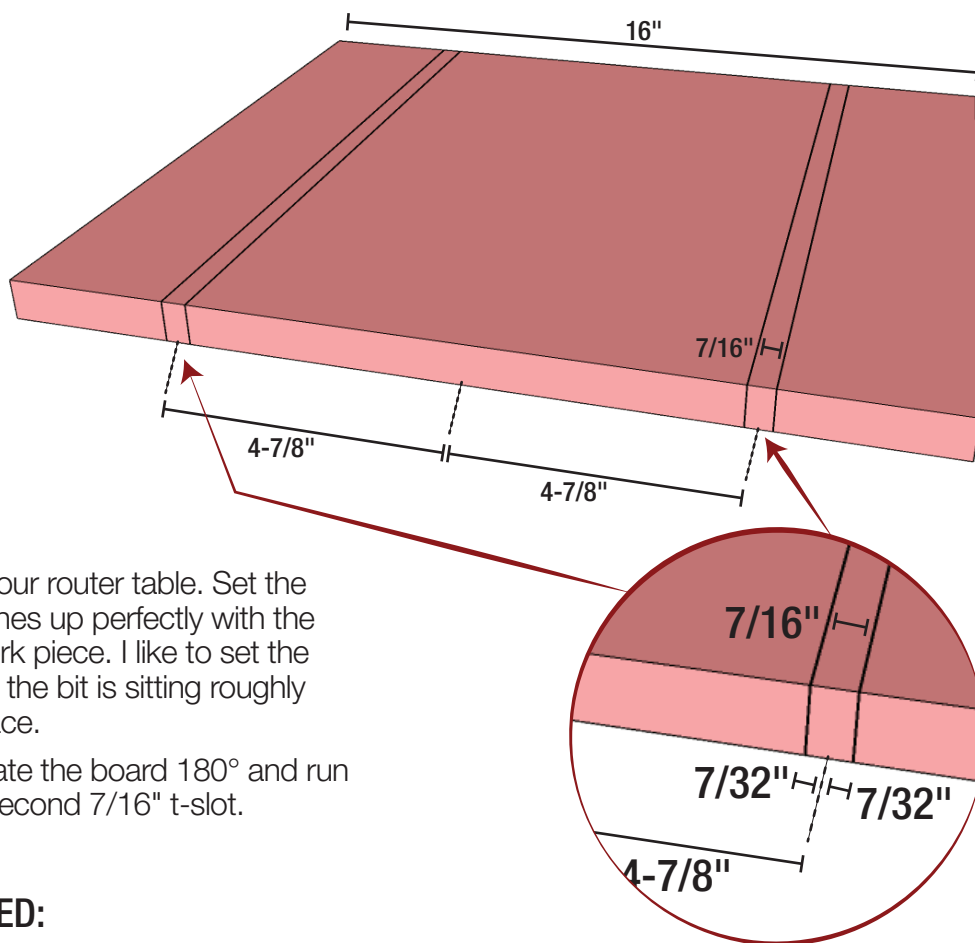
Use the center scale on the 24" Woodworking Rule to find the center on the 16" side of the base. Mark $4\frac{7}{8}"$ to the left and right of the center mark.

Make a mark $\frac{7}{32}"$ to the left and right of the two marks you just made.

Use a Saddle T-Square to transfer those lines down to the edge of your plywood.

Install the $\frac{7}{16}"$ T-Slot Bit (Listed on page 2) in your router table. Set the fence on your router table so your bit lines up perfectly with the reference marks you made on your work piece. I like to set the height of the bit so that the shoulder of the bit is sitting roughly $\frac{3}{16}"$ - $\frac{1}{4}"$ above the router table surface.

Make the cut in a single pass, then rotate the board 180° and run the second edge through to cut your second $\frac{7}{16}"$ t-slot.



WOODPECKERS TOOLS USED:

- 24" Woodworking Rule SKU: WWR-024024



- 12" Saddle T-Square SKU: SDLT1219

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Mount SandStand to the Base

To install the SandStand on the Base you just made you'll need (Listed on page 2):

- (4) Multi-Knob Mini-T's
- (4) $\frac{1}{4}$ -20 Hex Nuts
- (4) $\frac{1}{4}$ -20 1" Hex Head Bolts
- (4) $\frac{3}{4}"$ Nylon Washers

You first need to install the (4) $\frac{1}{4}$ -20 Nuts in the (4) Multi-Knob Mini-T's by threading the Nut onto the Hex Head Bolt just a few turns. Line up the Hex Nut with the countersunk hex in the Multi-Knob Mini T and use a hammer to pound the Nut into place. Unthread the Hex Head Bolt. Repeat this process on all four Multi-Knob Mini-T's. **FIGURE A**

Install the hardware by inserting the threaded end of the 1" Hex Head Bolt up through the slot in the SandStand Base. Add a $\frac{3}{4}"$ Nylon Washer and then thread on the Multi-Knob Mini-T to lock the SandStand into position. Be careful not to over tighten the Knobs. **FIGURE B**

Your SandStand Base should slide freely back and forth in the slots with the hardware installed. Get it in position and lock all four Knobs in place. Flip the jig around to begin working on building the sliding platform.

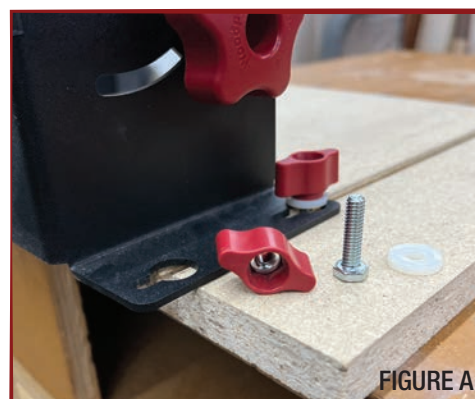


FIGURE A

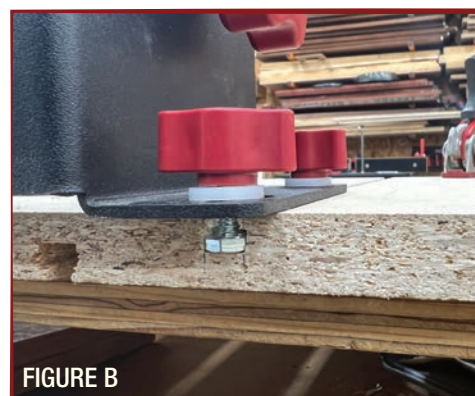


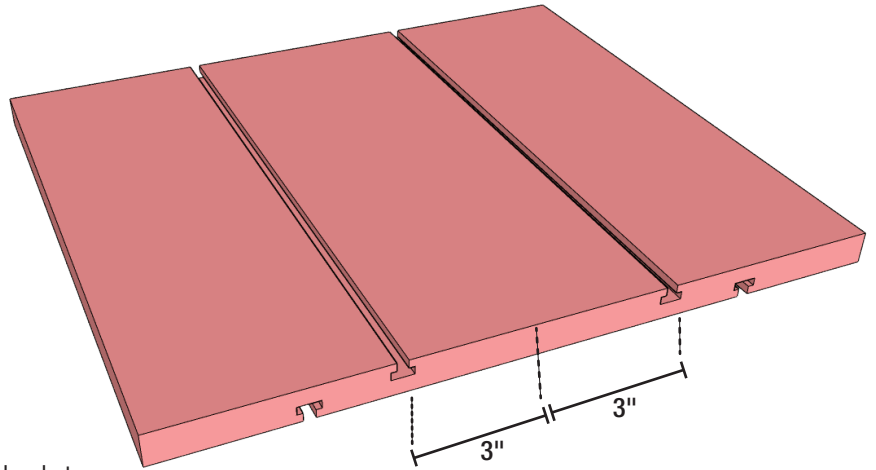
FIGURE B

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Clamping Options

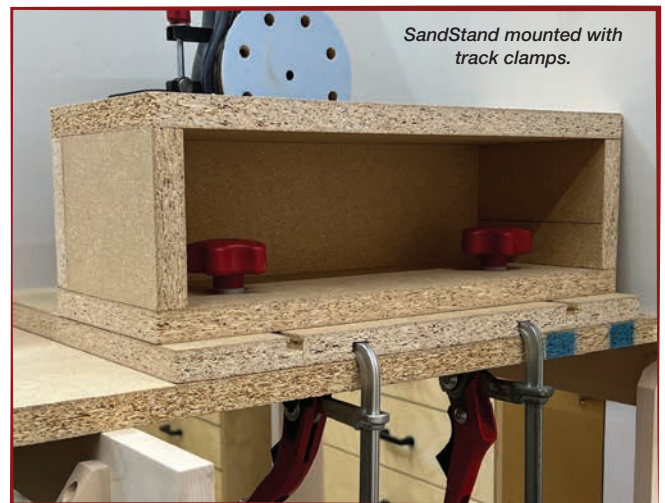
To add another clamping option you can choose to rout T-slots into the bottom of the Base that work perfectly with track clamps. **If you are only going to be clamping the jig in place from the top, skip this step.**

To rout the track clamp T-slots, install the Track Clamp T-Slot Bit *(Listed on page 2)* in your router table. The layout for where these go is far less critical than the 7/16" slots since these slots will just be used for clamping the jig. To give you a recommendation though, I routed my track slots on the **BOTTOM SIDE** of the base 3" to the left and right of center. **FIGURE A**



Make some layout marks and set your fence so your bit roughly lines up with the layout marks you created.

Set the height of the bit so the shoulder is sitting roughly 3/16"-1/4" above the router table surface. Make the cut in a single pass, then rotate the board 180° and run the second edge through to cut your second track clamp T-slot.



WOODPECKERS TOOLS USED:

- Semble™ Ratcheing Track Clamps SKU: G20KL-4P

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Sliding Platform Base

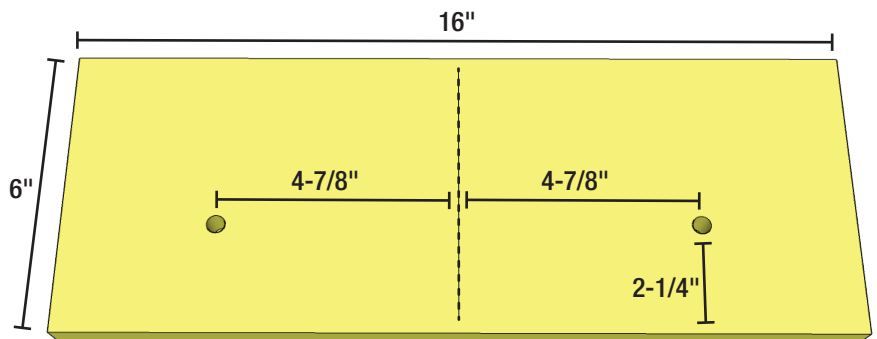
Drill 3/8" holes on the Sliding Platform Base. The layout of these holes is just as critical as the layout was for the 7/16" T-slots. These holes must line up with those slots for the jig to function properly.

Use the center scale on the 24" Woodworking Rule to find the center on the 16" side of the Sliding Platform Base.

Mark 4-7/8" to the left and right of the center mark.

Use a 3" Pocket-T Square to square that line and then scribe a line 2-1/4" in from the front edge.

Drill a 3/8" hole where those two lines intersect.



WOODPECKERS TOOLS USED:

- 3" Pocket T-Square SKU: TS-3-2020

5 Install Sliding Platform Base

To install the Sliding Platform Base on the Base you will need *(Listed on page 2):*

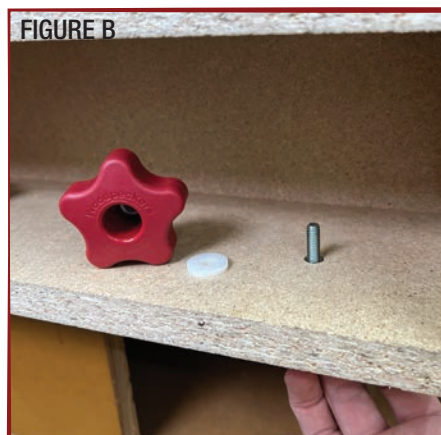
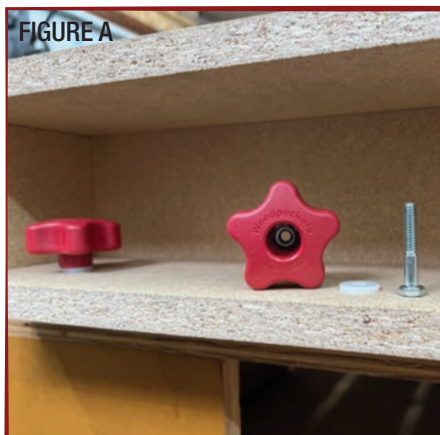
- (2) Multi-Knobs
- (2) 1/4-20 Hex Nuts
- (2) 1/4-20 1-1/2" Hex Head Bolts
- (2) 3/4" Nylon Washers

Just like before, you'll have to install the Hex Nuts in the Multi-Knobs. To do so, thread the (2) Hex Nuts onto the (2) 1-1/2" Hex Head Bolts and hammer the Hex Nuts into the countersunk hex in the Multi-Knob. **FIGURE A**

To install the hardware, insert the threaded end up through the 3/8" hole in the Sliding Platform Base. **FIGURE B**

Add a Nylon Washer and thread on a Multi-Knob. **FIGURE C** The hex heads should slide perfectly into the 7/16" T-slots. **FIGURE D**

Your sliding platform base should slide back and forth easily.

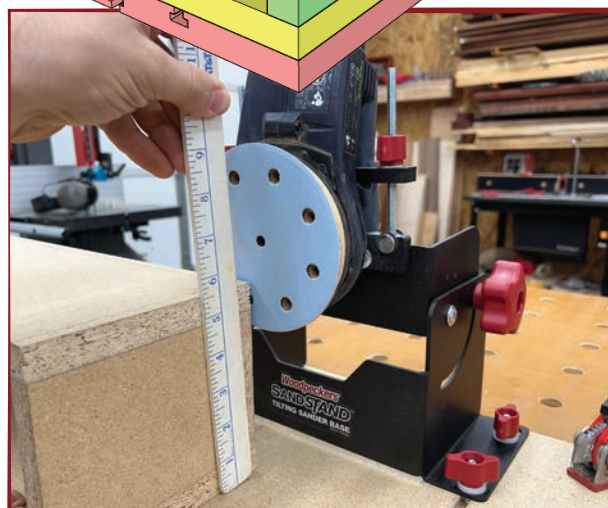
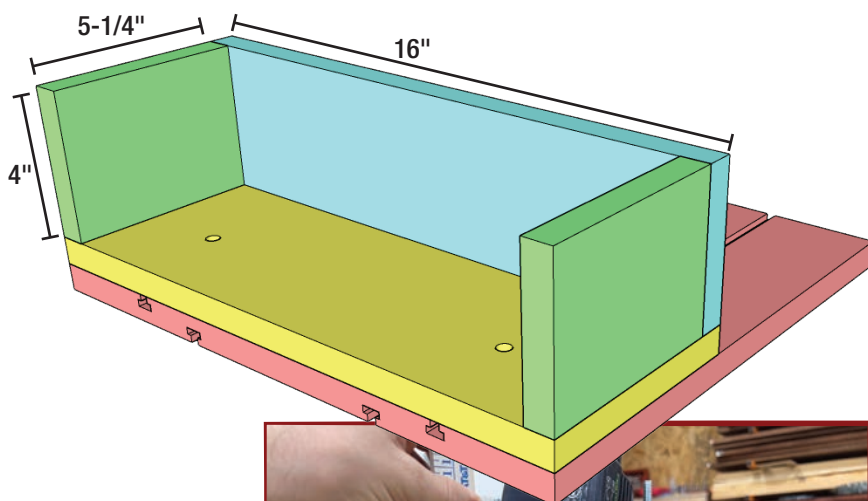


6 Build the Platform

As stated in the Note at the very beginning of these plans, you may have to alter the dimensions of the Platform Sides and Front to better fit your sander. Once you figure out a good height for your box, make your adjustments and rip your sides and front to final width.

I installed them in place on the jig using a combination of Titebond 3 wood glue for strength, and Starbond CA glue to act as a clamp while the glue dries.

After the front and sides were installed, the last thing to do was to add the top. After I temporarily assembled everything with glue and starbond, I came back and added some 1-1/4" brad nails to add even more durability to the platform.



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Final Steps

The final step is to square up your sander to the Platform and take it for a test run!

I like to use my DeadNutz Square for this. You can use the platform whenever you are sanding small parts and want to ensure you are sanding the edge to be 90°.

If it's more convenient to use the SandStand by itself, simply slide out the Sliding Platform and use the SandStand at whatever angle you choose.

The large base gives you plenty of surface area to clamp your jig in place while you enjoy hours of sanding with your new SandStand Platform.



WOODPECKERS TOOLS USED:

- DeadNutz™ Square SKU: DNSQ-3

If you end up building this jig please share photos or videos on Instagram, TikTok, or YouTube Shorts and tag us!
We'd love to see your finished jig!

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