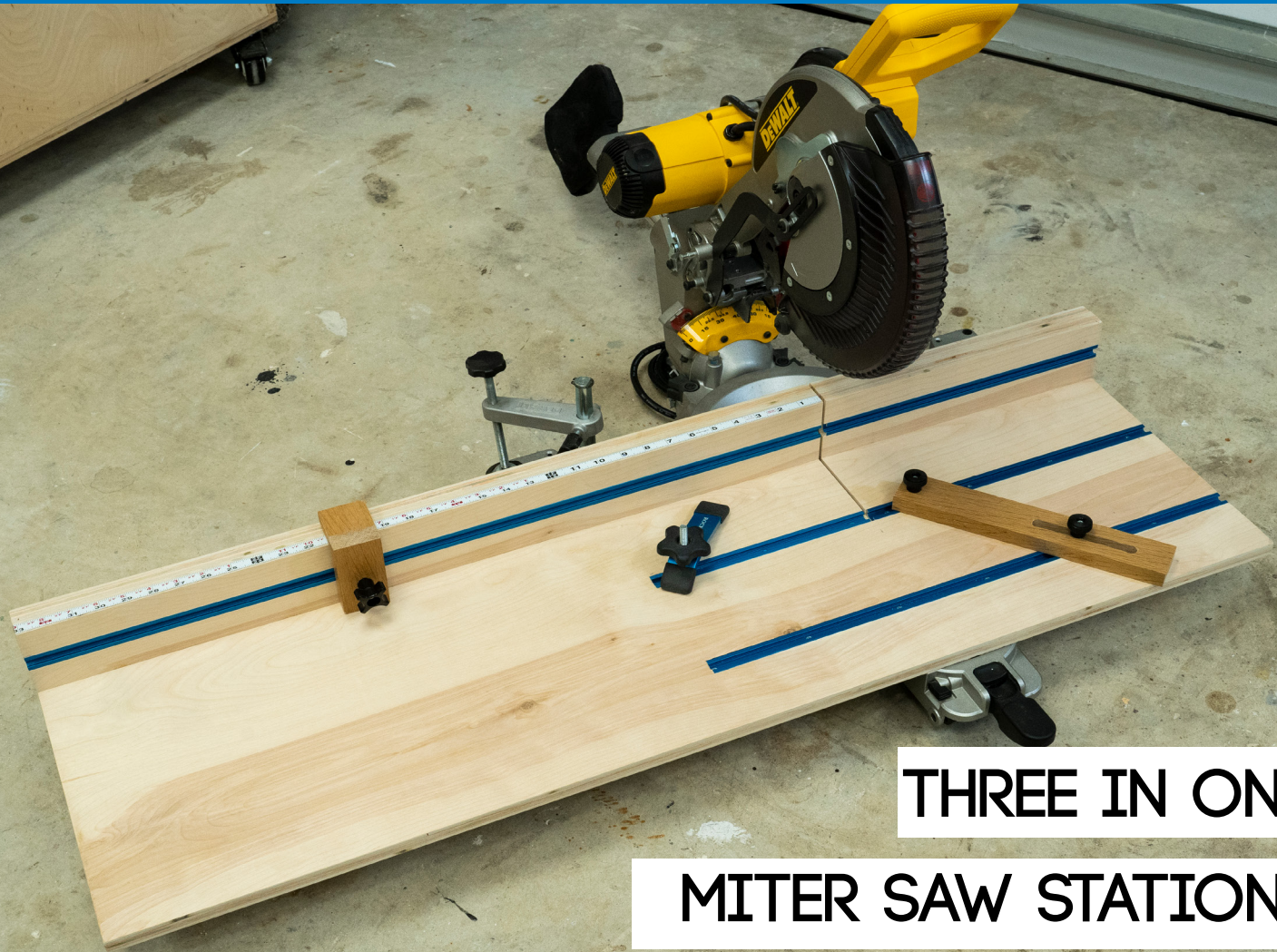


DIY CREATORS

Source for Woodworking Plans

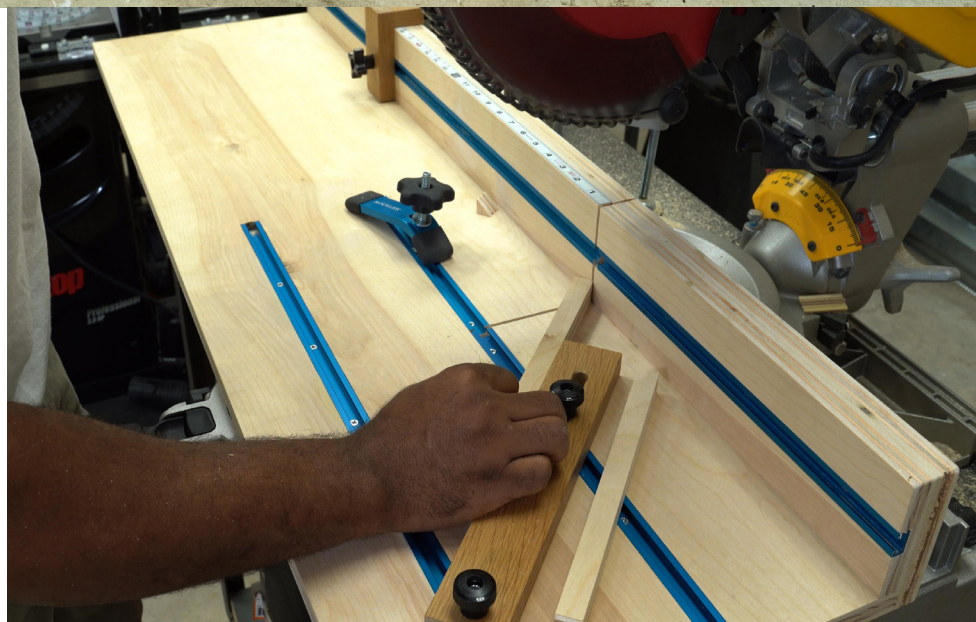


THREE IN ONE

MITER SAW STATION

WHAT'S INSIDE

- *Step by step instructions*
- *Material & cutting list*
- *Dual Dimensions*
- *Exploded View*
- *Labeled Parts*



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Cut List

Supply list

- 48" by 48" Sheet of 3/4" plywood
- (1) 20" of 1" by 2" lumber
- (2) 48" T-Track
- (1) Hold clamp
- Screws for the T-Track
- (4) Threaded insert
- (4) Screws for the inserts
- Wood glue
- (3) 1.5in T-bolts
- (3) knobs

Part	Description	(L) in (mm)	(W) in (mm)	(D) in (mm)
A	Fence Back	48in (1219)	3 7/16 (87.3)	3/4 (19.05)
B	Fence Front	48in (1219)	4 1/8 (104.4)	3/4 (19.05)
C	Base	48in (1219)	13.5 (343)	3/4 (19.05)
D	Angle setter	11 1/4 (286)	1 1/2 (38.1)	3/4 (19.05)
E	Stop block face	4 1/16 (103)	1 1/2 (38.1)	3/4 (19.05)
F	Stop block back	1 3/8 (34.9)	1 1/2 (38.1)	3/4 (19.05)

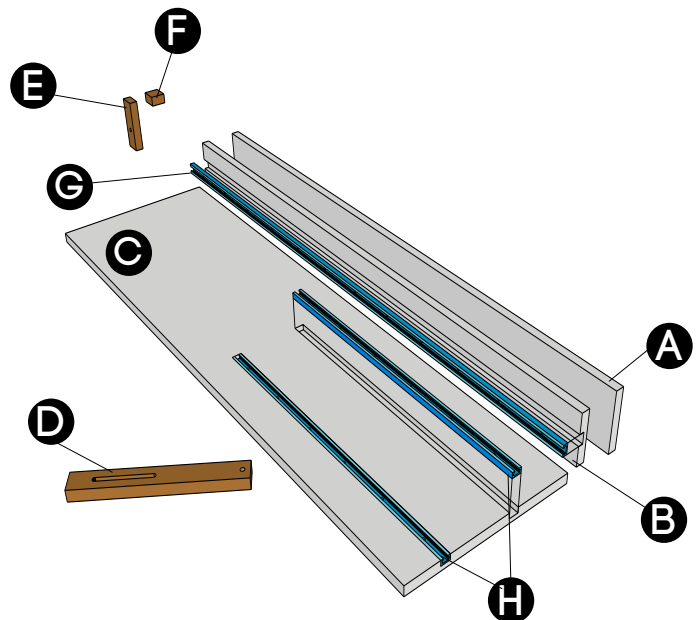
Parts

- A) Fence back
- B) Fence front
- C) Base
- D) Angle setter
- E) Stop block face
- F) Stop block back
- G) T-Track for the fence
- H) T-Track for the base

Note:

This setup is what I feel works best for my workflow. You can use this as a guide to create one for your saw. Some modifications maybe needed.

Explode View



Links to parts used:

Notes: You will have to shop around for things I may not have listed here. The supply list on page 2 list what you need.

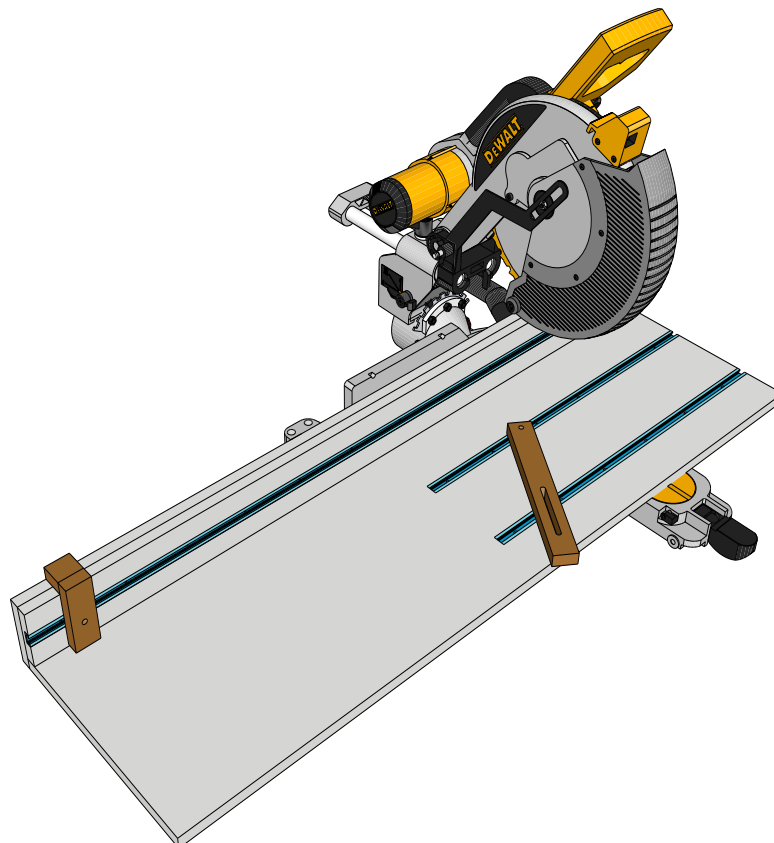
- (1) 48" Universal T-Track <https://amzn.to/2w2Y9nN>
- (1) 48" Universal T-Track with hold down clamp kit <https://amzn.to/2TcYD2F>
- #6 (3/8") Screws used to secure the T-Track
- M4 - Thread insert <https://amzn.to/3brXkoL>
- M4 - Screws for insert <https://amzn.to/3bty3e0>

Measuring tape:

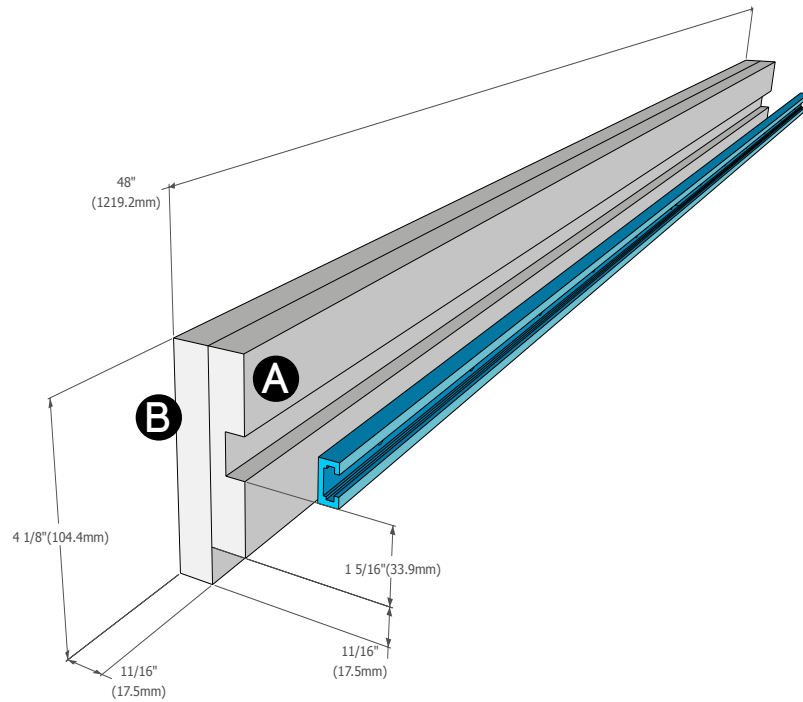
- (Used in this project) Right to left: <https://amzn.to/328sWeT>
- Left to right: <https://amzn.to/39ECtwO>

Tools Used:

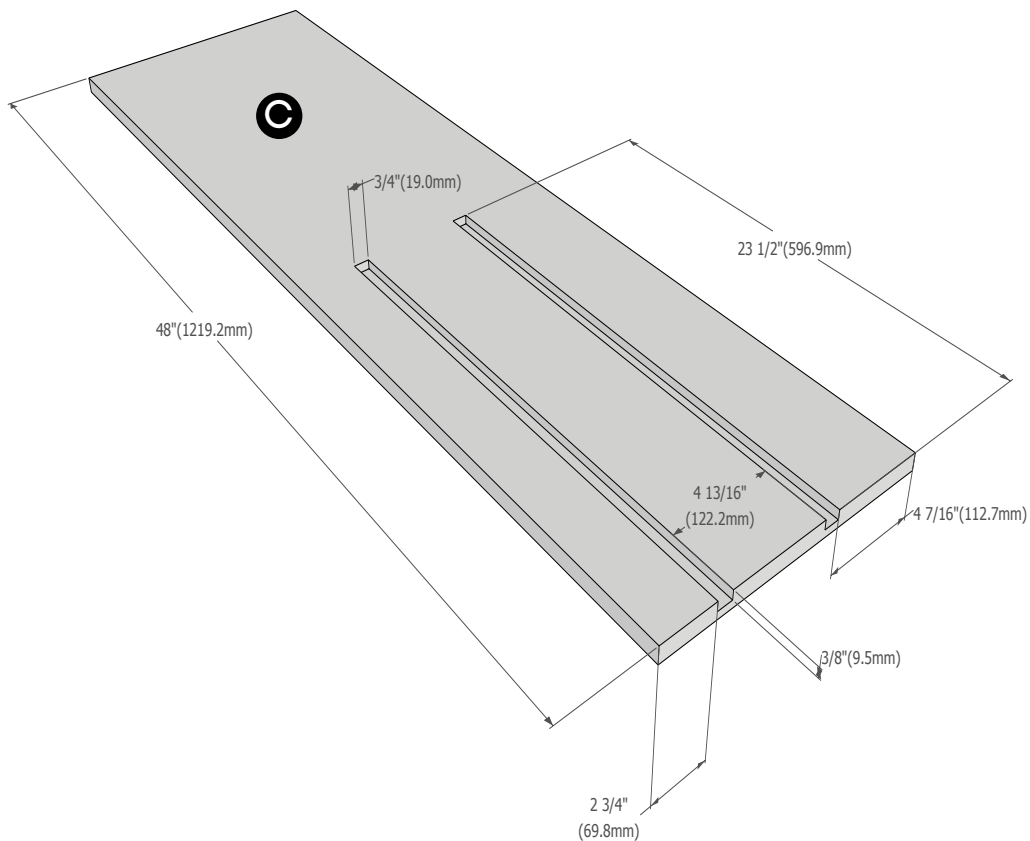
- Miter saw used: <https://homedepot.sjv.io/xrz1R>
- Table saw:
- Digital angle finder: <https://amzn.to/2OK9vUI>
- Measuring tape: <https://amzn.to/328sWeT>



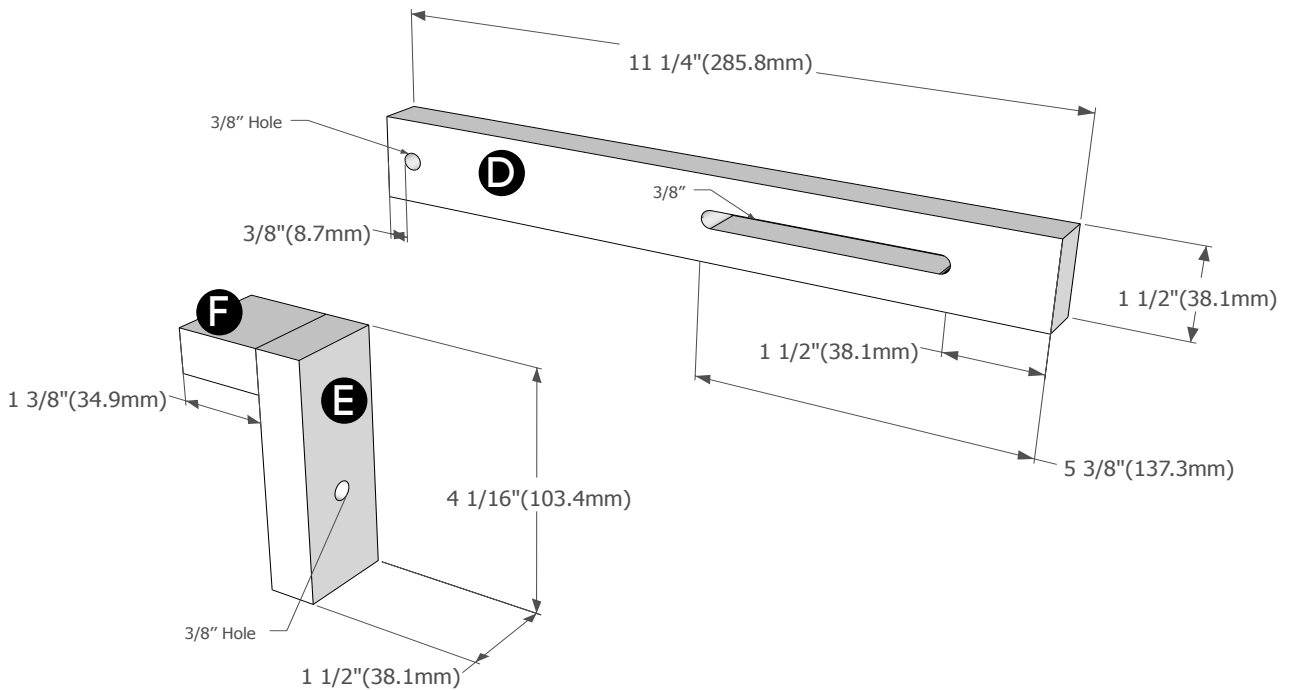
1 Build the fence: Rip a sheet of plywood to create the two parts for the fence. Use wood glue to secure the two parts, then route the channel for the T-Track.



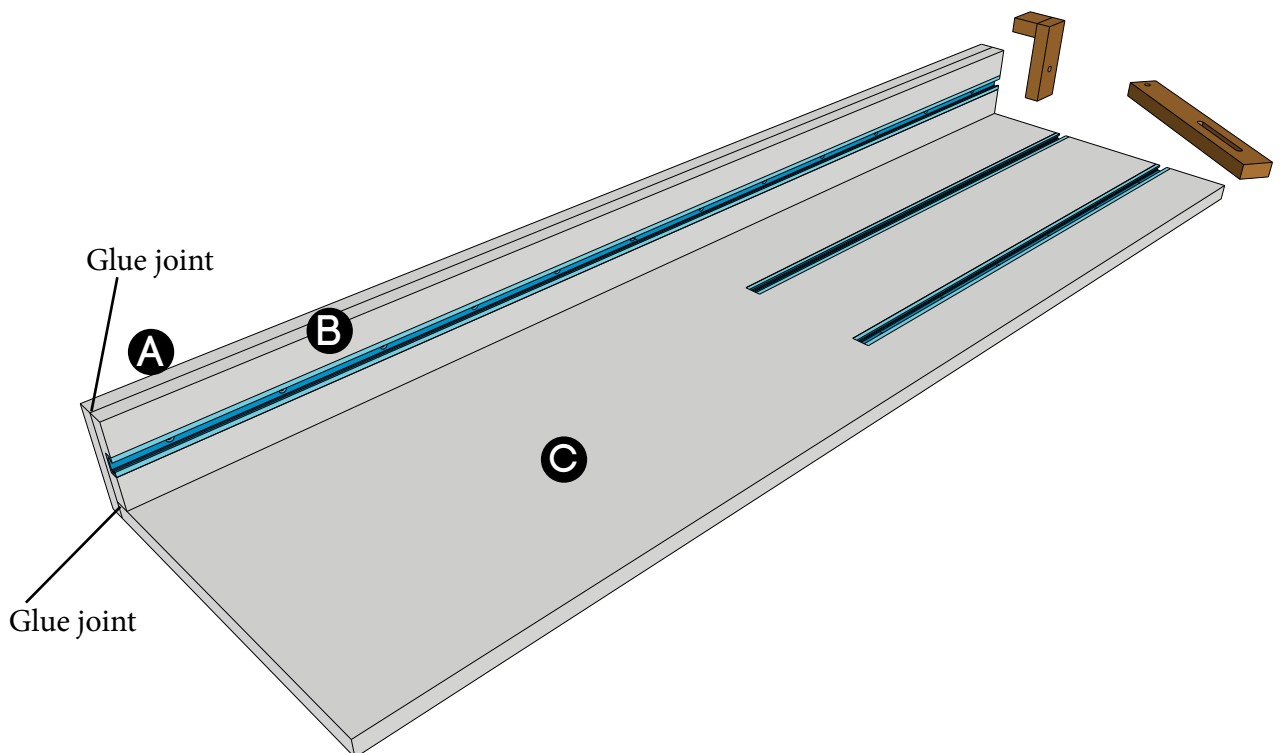
2 Route the channel: Rip the base, then route the slots for the T-Track channels.



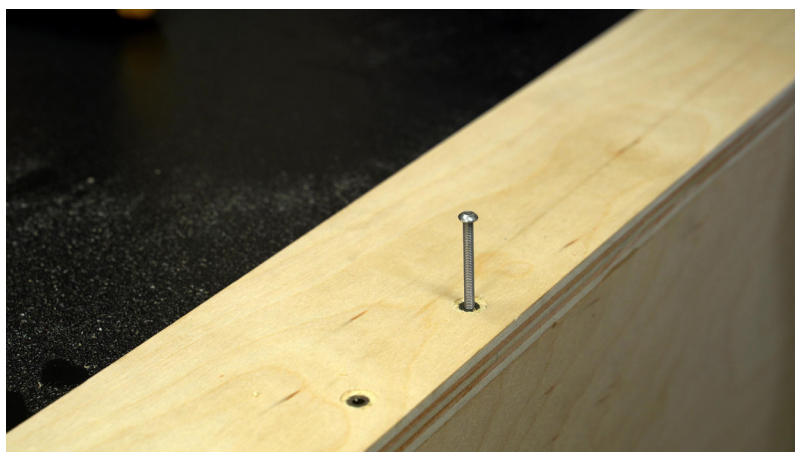
3 Stop block and Angel setter: The hole in part (E) and angle setter needs to line up with the T-Track. For part (D) you can add two long slot to improve the functionality. Glue parts (E) and (F) as shown to create the stop block.



4 Assemble: If the parts are not assembled yet, now is a good time to do so. Glue parts (A), (B), and (C) together. Make sure you check for squaring when gluing the fence to the base. Before adding the jig to the saw, make sure the miter saw blade is squared to the base and the fence.



5 Add threaded inserts: The threaded insert is necessary if you plan to add and remove this jig often. Install the threaded inserts before cutting into the jig.



The insert makes this easy to remove and reattach the jig in the same position.

If your saw does not have holes you can use, you will need to drill a few or find another way to secure the jig. Two holes on each side of the blade (right fence and left fence) will do. If you cut through the jig all the way it will be still secured.



You can add a metal measuring tape with adhesive for convenience; this is optional. The direction is essential; this depends on which side of the miter saw your jig would favor.

This is a right to left tape since this jig favors the left of the saw.

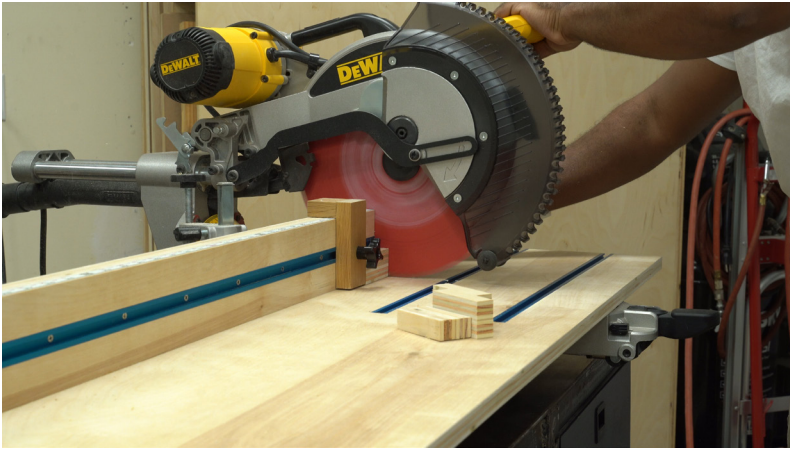
Sand it down and apply a finish of your choice to complete this jig.

Measuring tape:

Right to left: <https://amzn.to/328sWeT> * One used here

Left to right: <https://amzn.to/39ECTwO>

6 Using the jig is simple



Use the **stop block** for repeatable cuts. You can cut up 32 inches, feel free to make this longer if needed.

Cut small pieces safely using a **hold down clamp**.



Set the angle you need, then make the cut. An angle finder makes it easy to **set which ever angle you need**.

Digital angle finder
<https://amzn.to/2OK9vUI>