

Shapeoko 3 T-track installation

Inventory

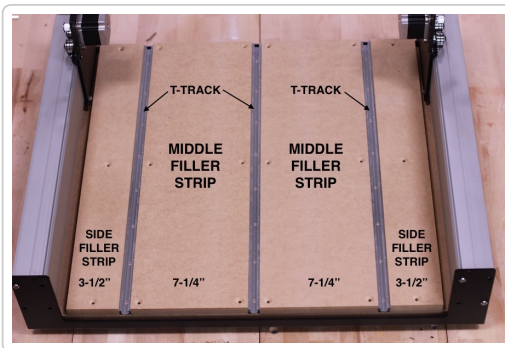


Item	Description		Qty	
1-1/4" Hex Bolt	(1/4-20 tpi)	-	4	
1-3/4" Hex Bolt	(1/4-20 tpi)	-	4	
2" Hex Bolt	(1/4-20 tpi)	-	4	
2-1/4" Hex Bolt	(1/4-20 tpi)	-	4	
Thumb Nuts	(1/4-20 tpi)	-	4	
Clamps	1"x4", Red Oak	-	4	
T-tracks	23" length	-	3	
Side Filler	3-1/2" x 23", MDF	-	2	

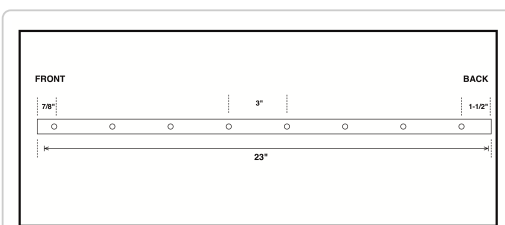
Item	Description		Qty
Middle Filler	7.25 x 23", MDF	-	2
#8 x 1/2"	(to secure T- tracks)	-	50
#8 x 1- 1/4"	(to secure filler strips)	-	30
#2 Phillips Driver	(magnetic, 1/4" hex)	-	1
5/64"	(to pre-drill screw holes)	-	1

Layout

NOTE: The gantry for this machine has been removed for clarity. You do not need to remove the gantry of your machine in order to install this kit!



Beginning on the left side of the machine, place one Side Filler strip 2-1/2" from the edge and flush with the front of the table. It is helpful to clamp this piece in place once you have it aligned.



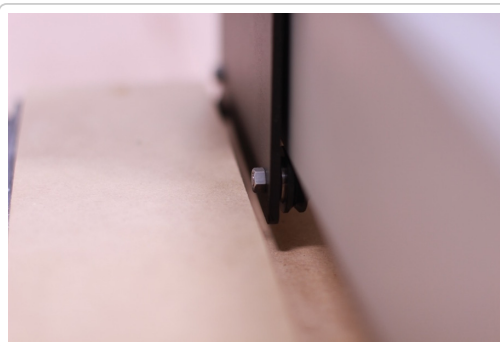
NOTE: The T-tracks are not symmetric front to back. See the image above to identify what is the front and what is the back.



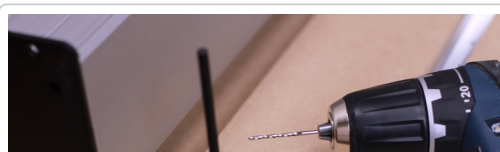
Take one of the 3 provided T-tracks, and align it with the front edge. Keep this T-track pressed against the side filler strip. There should be no gap.

Continue with this same method by next laying down a middle filler strip, then another T-track, then another middle filler strip, then another T-track, then the last side filler.

When you get to the end, there should be a small gap between the side filler strips and the eccentric nuts on both Y-axis plates.



Prep





You have two options here.

Option 1 - For the perfectionist: We included a $5/64$ " drill bit with this kit. If you were so inclined, you could transfer all of the holes, as they are laid out. Then remove all of the pieces, and pre-drill each one.

PROTIP: Pre-drilling the holes will help limit the amount of 'bubbling' the MDF will do when the screw is driven in. these are coarse screws made for particle board, but if you're really into being perfect, you can pre-drill the holes.

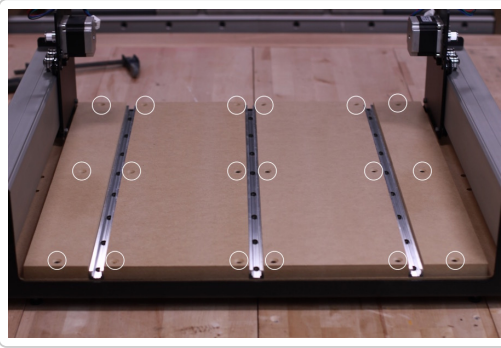
Option 2 - For the impatient: If you would rather not do the pre-drilling, that's fine. Just skip to the next section. We won't hold it against you.

Assembly

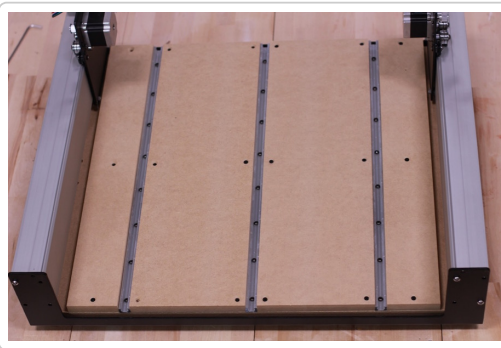


Using the #2 Phillips driver bit, begin by attaching the left filler strip with 3x 1-1/4" screws, making sure it does not shift as you drive the screws in. The white circles in the photo above represent the locations for each of the 1-1/4" screws.

The T-tracks are attached using the 1/2" long screws. You will need one in each hole, so 8 screws total per T-track, 24 total screws. As you attach the T-track, make sure it is flush to the front and stays snug against the filler strips.



Each of the middle filler pieces are attached using 6x 1-1/4" screws. Start from one end and work your way to the other, keeping close attention to not letting the piece ride up the screws. Some downward pressure will help with this.



Work your way all the way across the table, trying not to strip any of the screws. Setting your cordless drill to a lower torque setting can help prevent this. Once all of the screws are installed, you are finished and can begin using your T-track table!