

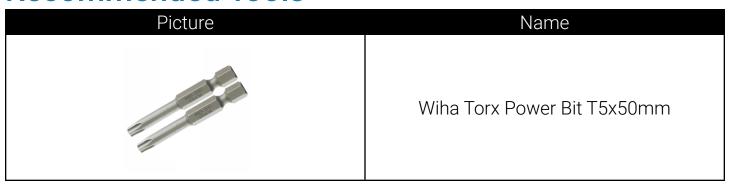


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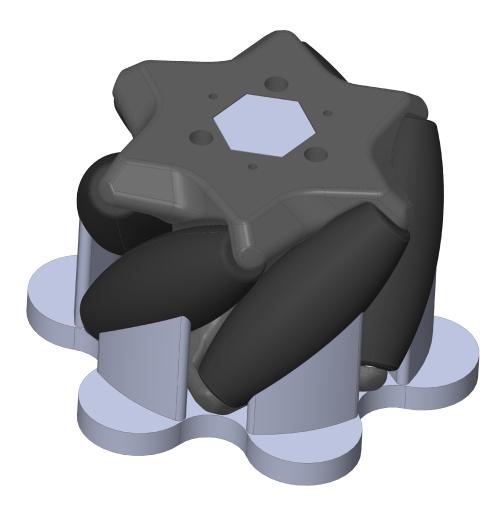
Recommended Tools





Assembly Instructions with Jig

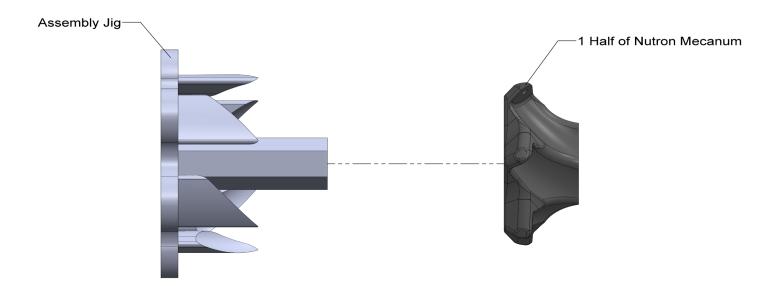
This is the recommened method to use. Assembly is much easier with the 3D printed jig as the jig holds the rollers in place.





Step 1

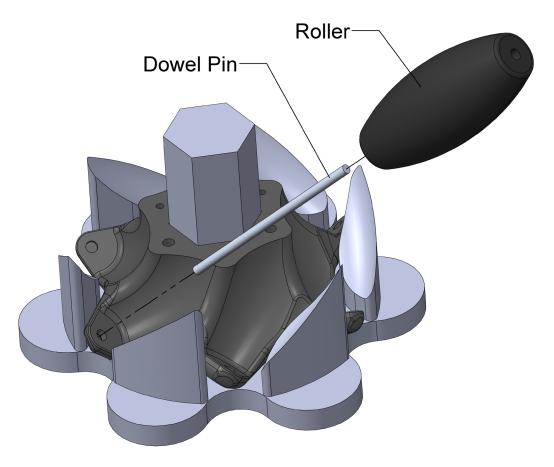
Use the correct hand jig witht the matching mecanum.





Step 2

Repeat this step for all 6 pins and rollers.



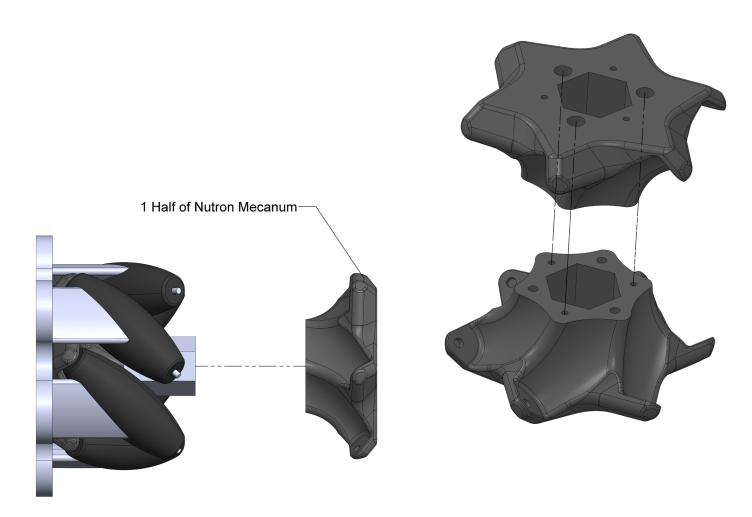


Step 3

Slide the second half of the mecanum onto the jig. The counterbored holes need to align with the smaller holes in the other half of the mecanum. The counterbored holes should not align with each other.

Be sure to allign all the pins with the holes in the second half before pressing the second half fully into place.

Note: The top of the mecanum should shit flat with the top of the hex in the jig when the mecaum is fully seated.

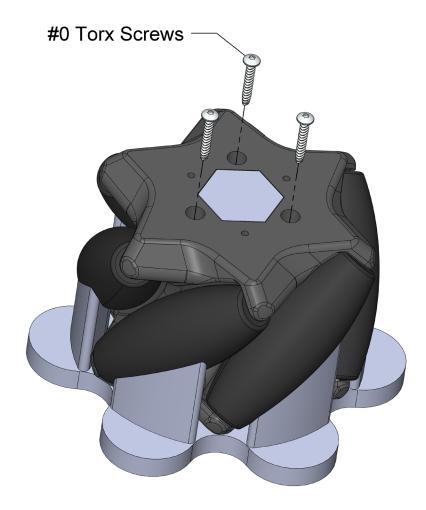




Step 4

Install 3 #0 Torx screws.

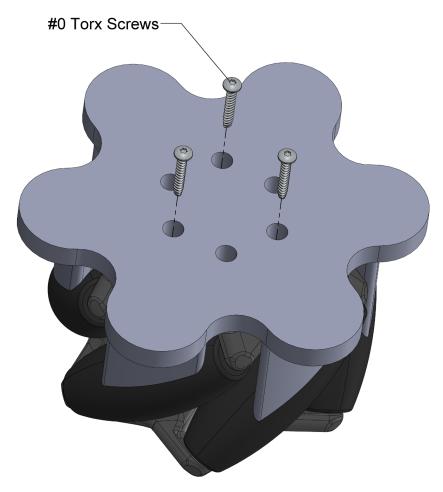
Note: Be careful to not over tighten the screws as they may go through th wall of the counterbore. Also be sure to use a high quality T5 driver as the screws may strip.





Step 5

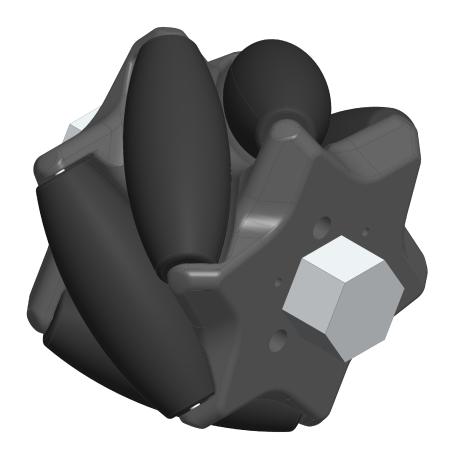
Leave the mecaum in the jig and find the remaining counterbored holes from the bottom. Install 3 more #0 screws.





Assembly Instructions with 1/2" Hex

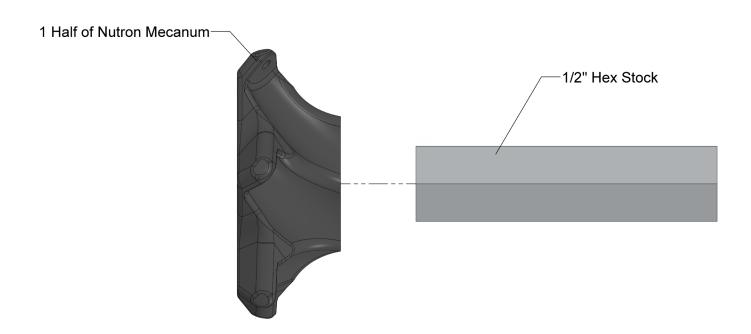
If you do not have access to a 3D printer, a short piece of 1/2" hex may be used to help with assembly.





Step 1

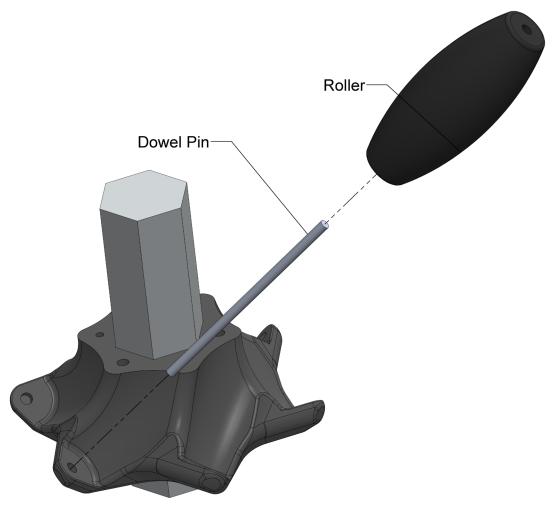
Slide 1 half of mecanum onto a short piece of 1/2" hex stock.





Step 2

Repeat this step for all 6 pins and rollers.



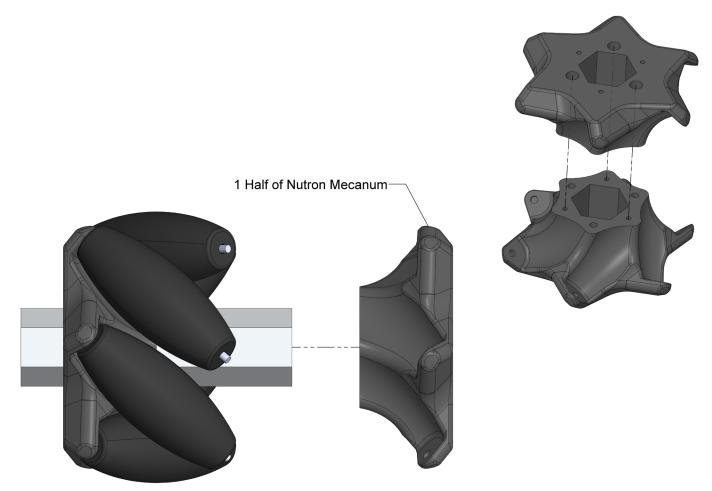
Nutron 2" Mecanum Wheel (1/2" Hex Bore)- User Guide (Rev 1) wcproducts.com



Step 3

Slide the second half of the mecanum onto thehex shaft. The counterbored holes need to align with the smaller holes in the other half of the mecanum. The counterbored holes should not align with each other.

Be sure to align all the pins with the holes in the second half before pressing the second half fully into place.



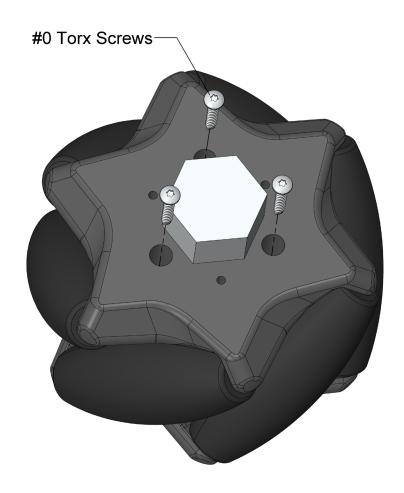
Nutron 2" Mecanum Wheel (1/2" Hex Bore)- User Guide (Rev 1) wcproducts.com



Step 4

Install 3 #0 Torx screws. Flip the mecanum over and install the remaining 3 screws in the other half.

Note: Be careful to not over tighten the screws as they may go through th wall of the counterbore. Also be sure to use a high quality T5 driver as the screws may strip.





Kit Contents

Picture	Name	QTY	Kit
	Mecanum Body	2	Base Kit
	Dowel Pin	6	Base Kit
	Roller	6	Base Kit
	#0 Screws	6	Base Kit



Recommended 3D Print Parts

Picture	Name
	3D Print Assembly Jig (Left and Right)



Revision Table

Revision Date	Revision #	Description
1/30/2020	1.1	First revision created.