

AndyMark 8" HD Mecanum Wheels Set (am-2152)

Assembly Instructions

January 2013



Parts needed to make one 8" HD Mecanum Wheel:

Component	Qty.	Part #
Left 8" Mecanum Wheel Plate	2	am-0631
8" Mecanum Support Spacer	1	am-2066
1/4" id Bushings	24	am-0603
Brass Axle Tubes 0.192" x 0.250" x 0.264"	24	am-2117
10-32 x 3.25" SHCS	18	am-2320
10-32 Nylock Nut	18	am-1161
#10 Flat Washers	25	am-1216
Outer Roller for 8" Mecanum	24	N/A
Gray Rubber Rollers for 8" Mecanum Wheel	1	am-0613

Tools needed:

Cordless Drill, set on medium
3/8" Allen wrench bit
3/8" Socket wrench

Step 1: Place an 8" mecanum wheel plate so the inside is facing up.



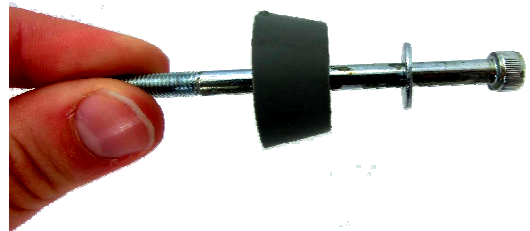
Step 2: Place the mecanum support spacer on top of this assembly, and then place the other mecanum wheel plate. Make sure the holes align.



Step 3: By hand, tighten six screws to the middle, outer holes as shown below.

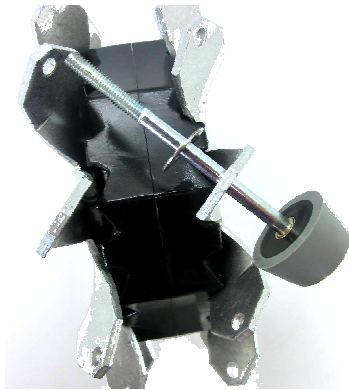


Step 4: Press in a 1/4" id bushing into the mini outer roller and slide in a brass axle tube. Place a #10 flat washer (smaller one) along with the outer roller assemblies as shown below onto a screw.

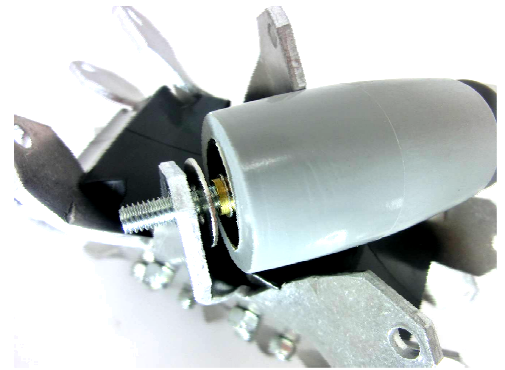


For more information on our products, please visit us on our website, www.andymark.com.

Step 5: Place this screw into the mecanum wheel assembly and then add one of the larger washers. Make sure that you insert this screw so that all the screw ends will be on the same side.



Step 6: Insert a brass axle tube into the roller. Insert this rubber roller assembly and then add 1/4" SS washer before going through the next plate.



Step 6: Insert another outer roller assembly.



Step 7: By hand, screw in a nut.



Step 8: Repeat steps 4-7 until the rest of the rollers are in.



Step 9: With the cordless drill, tighten everything.

