

AndyMark 8" Dualie Plastic Omni Wheel w/ 1/2" Bearings (am-0475) Assembly Instructions



June 2012

Parts needed to make an 8" Dualie Aluminum Omni Wheel:

Component	Qty.	Part #
Black SBR Rollers	36	am-0049
Steel Dowel Pins	36	am-1019
Brass Omni-roller Sleeves	72	am-0050
M5 x 0.8 x 20mm SHCS	9	am-1020
M5 Nylock Nuts	12	am-1215
8" Plastic Omni Wheel Webs	4	am-0079
#10-32 x 2-1/4" SHCS	3	am-1198
M3 x 10mm SHCS	36	am-1210
M3 Nylock Nuts	36	am-1163
R8 1/2" id Bearings	2	am-0029
1/2" id flanged, shielded ball bearing	2	am-0030

Tools needed:

3/16" Allen Wrench
Cordless Drill
Press

If single omni wheel is not assembled, see 8" Plastic Omni Wheel Assembly Instructions (am-0048).

8" Dualie Aluminum Omni Wheel Assembly Instructions:

Step 1: Place the first 8" omni wheel down as shown below. Take out the three screws that are shown by the arrows.



Step 2: Press in an R8 1/2" id bearing to the top off the first wheel, and to the bottom of the second omni wheel.



Top view of bottom wheel; bottom view of top wheel

Step 3: Place the second omni wheel above it. Align the holes so that the three #10-32 x 2-1/4" SHCS will go into the holes that have the arrows on them. Insert and tighten in three #10-32 x 2-1/4" SHCS with the cordless drill. Make sure the rollers are alternating.



Step 4: Cover the three #10-32 x 2-1/4" SHCS with your hand and turn the wheel over. Screw in the M5 Nylock Nuts by hand.



Step 5: Tighten with either cordless driller or screwdriver.



Step 6: Press in a 1/2" id flanged, shielded ball bearing to each side of the assembled dualie omni wheel.

