

# AndyMark 8" Aluminum Omni Wheel w/ 1/2" Bearing (am-0431) Assembly Instructions

June 2012



Parts needed to make an 8" Aluminum Omni Wheel:

Tools needed:

| Component                                 | Qty. | Part #  |
|---|------|---------|
| Black SBR Rollers                         | 18   | am-0049 |
| Steel Dowel Pins                          | 18   | am-1019 |
| Brass Omni-roller Sleeves                 | 36   | am-0050 |
| #10-32 x 3/8" Button Head Phillips Screws | 18   | am-1177 |
| 8" Outer Aluminum Omni Rings              | 2    | N/A     |
| 8" Inner Aluminum Omni Plate              | 1    | N/A     |
| 1/2" FR8ZZ Bearing                        | 1    | am-0030 |

|                      |
|----------------------|
| Phillips screwdriver |
| Channellock plier    |
| large roll of tape   |
| Press                |

## 8" Aluminum Omni Wheel Assembly Instructions:

Step 1: Make sure all brass omni-roller sleeves are inside the black SBR rollers. Insert steel dowel pins into black SBR rollers.



Step 2: Place one of the outer aluminum omni rings under the inner aluminum omni plate. Align the holes.



Step 3: Put the roll of tape onto table. Hold both of them together with your hands, and then center them on top of the roll of tape. Remain holding on to them and insert the rollers as you do so.



**Step 4:** Place the second outer aluminum omni ring above it, but make sure that the holes of each outer omni ring are different when on top of each other. For example, the threaded hole should be on top of the smooth hole.



**Step 5:** Insert and tighten the 10-32 button head Phillip screws into the alternating smooth holes. If you are having trouble, use the Channellock plier to make the process run more smoothly.



**Step 6:** Flip it over. Screw in and tighten the rest of the button head Phillip screws. Make sure it is as tight as shown below. Using a press, insert the 1/2" FR8ZZ Bearing.

