

# AndyMark



Bengt Ilon invented this type of wheel while working for the Swedish company Mecanum AB. The Mecanum-style drive base uses 4 wheels, including 2 right wheels and 2 left wheels. One right and left is on each side of the robot. Each wheel is driven independently. AndyMark Mecanum Wheels use bent sheet metal for the plates that retain the rollers.

See [www.andymark.com](http://www.andymark.com) for more details.

Mecanum Wheel Specs			
Wheel Size - (inches)	6	8	10
Wheel Weight - (pounds)	1.3	2.5	10
Load Rating- (pounds per wheel)	80	80	440



**AndyMark has all the necessary hardware to mount these wheels-**

**Hubs-** 0.375, 0.500", 0.625" bore →

**Bolt Kits-** available for both to mount hubs



<u>Direction of Movement</u>	<u>Wheel Actuation</u>
Forward	All wheels forward same speed
Reverse	All wheels backward same speed
Right Shift	Wheels 1, 4 forward; 2, 3 backward
Left Shift	Wheels 2, 3 forward; 1, 4 backward
CW Turn	Wheels 1, 3 forward; 2, 4 backward
CCW Turn	Wheels 2, 4 forward; 1, 3 backward

**To the right:** This is a top view looking down on the drive platform. Wheels in Positions 1, 4 should make X- pattern with Wheels 2, 3. If not set up like shown, wheels will not operate correctly.

