

Metal Mecanum Wheels with Motor Shaft Coupling

Product Overview

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Description

DFRobot Metal Mecanum Wheels with Motor Shaft Coupling are omnidirectional wheels designed for a land-based vehicle to move in any direction. These wheels can go straight, obliquely, horizontally, S-line, and rotate at any angle with zero radius. Since the wheel is based on omnidirectional drive technology, users can freely control their robot car even in tight space. The Mecanum wheels offer low noise that allows them to move stably and flexibly during operation. Different from the ordinary Mecanum wheel, this wheel, with better quality and texture, is equipped with metal exterior structure and has its own coupling matching with various motor shafts, which makes it quite easy to install.



The Mecanum wheels feature a diameter of 65mm and are composed of 9 small rollers. These wheels are made of plastic and coated with quality and high-friction silicone rubber, which are rugged and impact-resistant. These Mecanum wheels feature better quality, texture and are equipped with a metal exterior structure that has its own coupling matching with various motor shafts. This makes it easy to install and ideal for smart robot cars.

Features

- 65mm (2.56") diameter
- 43mm thickness (Coupling occupies 14mm)
- 9 rollers
- 45° angle
- 5kg load capacity
- Metal structure and plastic rollers
- **FIT0779** – Left Wheel
- **FIT0780** – Right Wheel

Dimension Diagram



Mouser Part Numbers

[View All Part](#)

To learn more, visit <https://www.mouser.com/new/dfrobot/dfrobot-metal-mecanum-wheels/>