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INDUSTRIAL PRODUCT DATASHEET

Right Mecanum Wheel Kit

Right Mecanum Wheel Kit: Retired omnidirectional wheel kit featuring a right-handed mecanum wheel, DC motor, and hardware; alternative Skeleton Bot – 4WD Hercules Mobile Robotic Platform available.

SKU	UPDATED	PRICE
110070011	2024-08-09 02:02:38	$49.00(Excl. VAT)



Overview



The Right Mecanum Wheel Kit is a retired product offering a right-handed mecanum wheel with rollers at 45° for omnidirectional force translation, including a DC motor and mounting hardware. It is designed to be used with three other mecanum wheel kits (two left, one right) to create an omnidirectional mobile platform, with the Skeleton Bot - 4WD Hercules Mobile Robotic Platform suggested as an alternative.

Key Features

This product is retired, please consider our **Skeleton Bot - 4WD Hercules Mobile Robotic Platform** as your alternative choice.

This kit consists of a Right mecanum wheel, a DC motor, a motor support, a shaft connector and some screws as well as nuts. The mecanum wheel is a conventional wheel with a series of rollers attached to its circumference. These rollers each have an axis of rotation at 45° to the plane of the wheel and at 45° to a line through the centre of the roller parallel to the axis of rotation of the wheel. Due to its unique conformation, when the wheel rolls on the ground, a portion of the force in the rotational direction of the wheel will translated into a force normal to the wheel direction.
This kit is usually supposed to work together with other 3 Mecanum wheel kits (2 left, 1 right) in order to form an omni-directional mobile platform.

Features:

Omnidirectional transfer ability

Specification:

- Wheel Direction: Right handed
- Rated Voltage: DC 6 V (Voltage Range: 4V ~7V)
- Rated Current: 950 mA (Max)
- Rated Torque: 1 Kg.cm
- Rated Speed: 250±10% rpm

Part List:

- 1×Right Mecanum Wheel Φ60mm H32mm
- 1×DC Motor-25 GA 370 Standard Version
- 1×Motor Support for DC Motor-25 Series
- 1×Shaft Connector
- 2×Set Screw M3×5
- 1×Screw, Spring Lock Washer and Plain Washer assemblies M4×18
- 2×Cross Recessed Pan Head Screw M3×8
- 4×Cross Recessed Pan Head Screw with Washer M3×8
- 4×Hexagon Nut M3

Documents:

You can download the **motor Specs** here. Please visit our **wiki page** for more info about this product. It will be appreciated if you can help us improve the documents, add more demo codes or tutorials. For technical supports, please post your questions at our **forum**

Product Gallery





Compliance & Logistics

HSCODE	9023009000

Resource Links

- https://www.seeedstudio.com/Right-Mecanum-Wheel-Kit-p-2275.html

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