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INDUSTRIAL PRODUCT DATASHEET

Left Mecanum Wheel Kit

The Left Mecanum Wheel Kit provides omnidirectional transfer ability for mobile platforms and is now retired, with the Skeleton Bot recommended as a replacement.

SKU	UPDATED	PRICE
110070010	2024-08-09 02:02:38	$49.00(Excl. VAT)



Overview



This product is retired; please consider the Skeleton Bot - 4WD Hercules Mobile Robotic Platform as an alternative. The kit includes a left-handed mecanum wheel, DC motor, and mounting hardware, enabling omnidirectional movement when combined with other kits.

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 left 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 right, 1 left) in order to form an omni-directional mobile platform.

Features:

Omnidirectional transfer ability

Specification:

- Wheel Direction: Left 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×Left 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/Left-Mecanum-Wheel-Kit-p-2274.html

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