

INDUSTRIAL PRODUCT DATASHEET

reBot Arm B601-DM Gripper Kit

Fully open-source DIY robotic arm gripper kit for Damiao 4310 motors, enabling teleoperation, assistive home automation, and precision tasks in harsh or constrained environments.

SKU	UPDATED	PRICE
100040187	2026-08-20 10:22:49	\$199.00(Excl. VAT)



Overview



The reBot Arm B601-DM Gripper Kit is a DIY robotic arm gripper kit designed for the output shaft of Damiao 4310 motors and compatible with the reBot Arm B601-DM robotic arm body or other compatible models. It provides fully open-source hardware and software, detailed assembly tutorials, support for ROS1/2, Isaac Sim, and LeRobot frameworks, and constant content updates, with a 1-month warranty for un-assembled and a 6-month warranty for assembled versions.

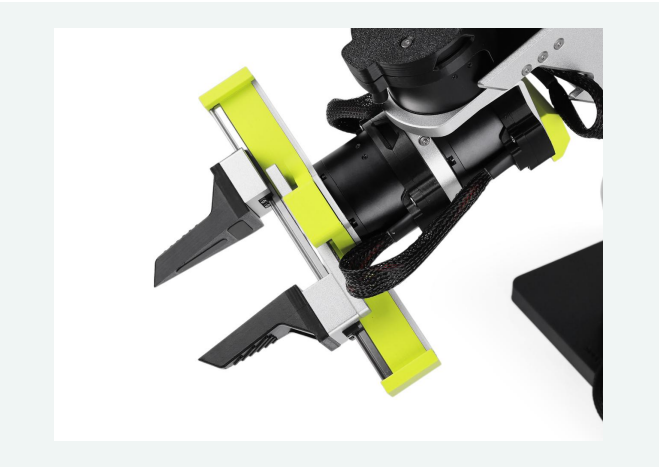
Key Features

- **Gripper Kit:** Gripper kit for the output shaft of Damiao 4310 motors, can be directly used with the reBot Arm B601-DM robotic arm body or other compatible models.
- **Fully Open-Source:** A truly 100% open-source robotic arm in terms of hardware and software. It includes BOM lists, hardware drawings, software, and algorithms—everything you need.
- **Detailed Assembly Tutorials:** Provide ultra-detailed assembly steps and video tutorials.
- **Framework Compatibility:** Supports mainstream robotics development frameworks such as ROS1/2, Isaac Sim, and LeRobot.
- **Constant Content Updates:** As the project progresses, we will gradually update the latest algorithms and launch a series of completely free courses.

Note:

This product is a DIY kit (not a finished product) requiring self-assembly, wiring, and debugging, with risks of personal injury (e.g., pinching, impact) and property damage. By purchasing, you confirm you have read, understood, and accepted all terms, and voluntarily assume all risks during assembly and use. This product is only for professionals with robotics, electrical, or mechanical expertise; minors and persons with no/limited civil capacity are strictly prohibited from operation. Follow the manual strictly for assembly, calibration, and setup. We only warrant core components against factory material defects (**1-Month Warranty for Un-assembled Version / 6-Month Warranty For Assembled Version**) and accept no liability for any personal injury or property damage. For full terms, refer to the attached **Mechanical Arm DIY Kit - Safety Disclaimer and Risk Notice**.

Product Gallery

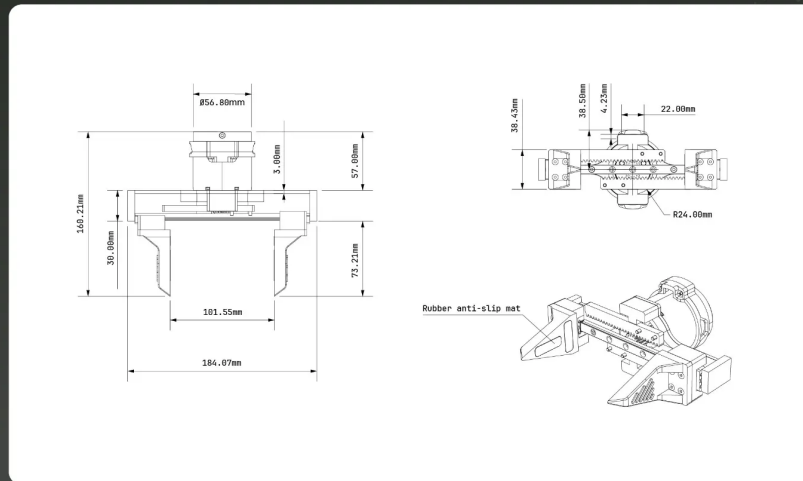


Specification

Compatible Model	reBot Arm B601-DM robotic arm body or other compatible models
Max Effort	7 N·m
Includes	Gripper motor and gripper structure parts
Assembly Method	Self-assembly required

Hardware Overview

Product Dimensions



Applications

- Teleoperation & Remote Robotics Control:** The reBot Arm B601 enables intuitive teleoperation for remote manipulation, data collection, and human-in-the-loop training. Combined with AI robotics frameworks like Hugging Face LeRobot, it supports datasets, pre-trained models and policies, and Imitation Learning workflows that translate human actions into robotic behaviors, accelerating embodied AI development.
- Assistive Automation for Home Daily Tasks:** The reBot Arm B601 supports the development of assistive robotics for everyday tasks, from pick-and-place to simple household automation. By combining vision and learning-based control, the robot can adapt to unstructured environments and variable objects, helping bring embodied AI into practical, human-centered scenarios.
- Precision Tasks in Harsh or Constrained Environments:** With ± 0.2 mm repeatability and stable actuation, the B601 is suited for precise tasks in challenging or unsafe environments. Developers can prototype applications such as inspection, sample handling, or fine manipulation under constrained conditions. Its support for dynamic motion execution enables more reliable interaction with uncertain or sensitive objects. This makes it a strong platform for validating robotics solutions before scaling to industrial systems.

Part List

Item Name	Quantity
Metal Parts	10
3D Printed Parts	5
DAMIAO 4310 Actuator Motor	1
Power Cable;XT30-(2+2)-Female to XT30-(2+2)-Female-200mm	1
Standard Parts & Consumables	4
Screw KM3x7mm	15
Screw KM3x16mm	11
Screw KA3x12mm	11
HM3x6mm	11
HM3x12mm	10
HM3x26mm	9

Compliance & Logistics

HSCODE	8479909090
USHSCODE	9023000000
UPC	
EUHSCODE	9023001000
COO	CHINA

Resource Links

- <https://www.seeedstudio.com/reBot-Arm-B601-DM-Gripper-Kit-p-6751.html>
- [reBot one-pager datasheet](#)
- [reBot open-source GitHub repo](#)
- [Mechanical Arm DIY Kit - Safety Disclaimer and Risk Notice](#)

Seeed Technology Co.,Ltd.
9F, Building G3, International E City,
Zhongshanyuan Road, Nanshan, Shenzhen, China

Tel: +86 0755-80695676
Web: www.seeed.cc
Shop: www.seeedstudio.com