

# **mGrip P2 Global Kit**

## **QUICK START GUIDE**



*[www.SoftRoboticsInc.com](http://www.SoftRoboticsInc.com)*



**IMPORTANT:** For robots needing a 31.5mm, 40mm, or 50mm robot adapter, attach the Omni Disk Flange before attaching the completed *mGrip Gripper*.



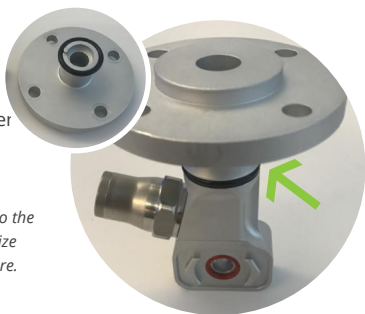
1

**Install** the Air Fitting onto the desired Parallel Hub. Torque to 6Nm.

2

**Install** the Robot Adapter onto the Parallel Hub.

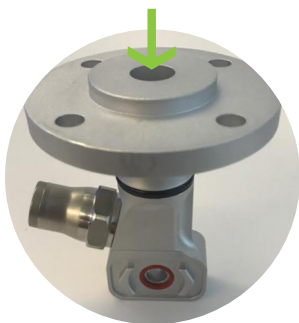
*Note:* The adapter attached to the gripper may be a different size than the images presented here.



3

**Insert** the M6 Screw to attach Robot Adapter through Parallel Hub. Torque this screw to 5Nm.

*Note:* Anti-seize is recommended for the M6 screw.



4

**Ensure** O-Rings are installed on the Parallel Hub and did not come loose during shipping.





5

**Install** the desired Spacer onto the Parallel Hub (if required) by aligning the features and pressing firmly.

6

**Install** Finger Module onto the Spacer.

**Note:** Fingers can be mounted directly to the hub if spacers are not being used.



7

**Insert** M4 Hex Nut into Tie Rod

**Note:** Use the tie rod and spacer chart (located on the right panel of this guide) to identify which tie rod is best for your gripper. We recommend Anti-Seize gel onto the Tie Rod before M4 Hex Nut is installed.

8

**Install** the second Spacer onto the opposite side of the Parallel Hub by passing the tie rod through the center of the spacer and pressing firmly against the Parallel Hub.





9

**Install** the second Finger Module onto Spacer and through the tie rod.

10

**Install** an M4 Sealing Cap Nut onto the end of the tie rod to secure the Spacers and Finger Modules in place. Torque Hex Nut to 2.2Nm.

**Note:** We recommend Anti-Seize gel onto the Tie Rod before M4 Sealing Cap is installed.



#### PARALLEL KIT SPACER AND TIE ROD CHART

Grip Spacing (mm)	Spacer (mm)	Tie Rod (mm)
40	0	85
50	5	95
60	10	105
70	15	115
80	20	125
90	25	135
100	30	145

## GET TO KNOW THE TECHNOLOGY

*mGrip* is an on-demand, modular gripping system from Soft Robotics. The *mGrip* P2 Global Kit is purposefully designed to work with a wide variety of robots to fit your needs. This *mGrip* kit enables adaptive handling of unstructured tasks and objects of varying size, shape, and weight. This single, integrated, and easy-to-use solution is perfect for automating applications like:



**ASSEMBLY**



**PICK & PLACE**



**PACKAGING**



## IN YOUR KIT

Pre-assembled 2 finger gripper

Soft Robotics Control Unit, Generation 2

20mm Robot Adapter

Omni Disk Flange

5mm-30mm spacers, in 5mm increments

10mm Air Fitting

Pneumatic Tubing

+ All other relevant hardware

**For more information, visit:**

[softroboticsinc.com](https://softroboticsinc.com)