

THANK YOU FOR CHOOSING ROBOTIQ

This step-by-step guide will allow you to **install** and **use your Epick Vacuum Gripper** on e-Series Universal Robots.



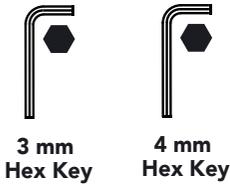
1. WHAT IS SUPPLIED?

Standard upon delivery of a Universal Robots kit:

- Vacuum generator.....(GRIPPER-EPICK)
- Gripper coupling.....(GRP-ES-CPL-062)
- Suction cup
- USB Stick
- Required Hardware



2. TOOLS YOU NEED



3. GET THE LATEST

Visit: support.robotiq.com

- Get the latest instruction manual (PDF or HTML).
- Download the applicable **Robotiq_Grippers-X.X.X.urcap**.
- Copy the **.urcap** file on a USB stick.

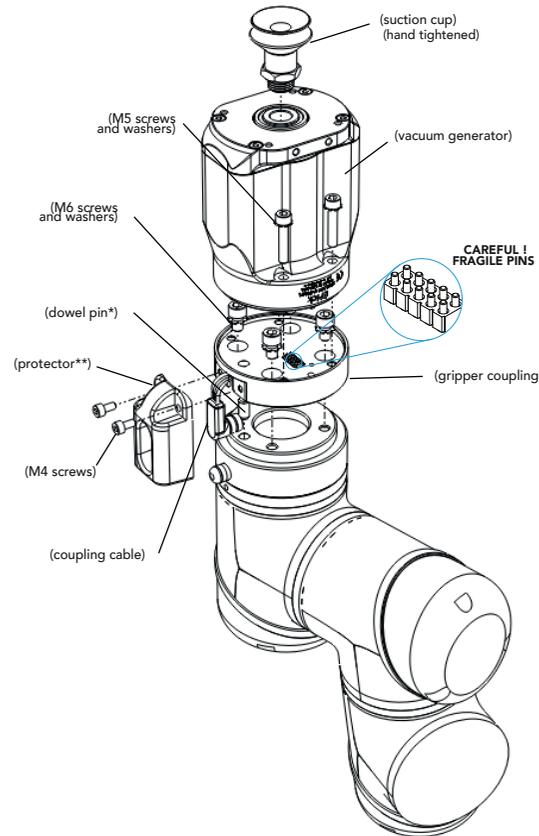


BEFORE OPERATING THE GRIPPER, PLEASE READ INSTRUCTION MANUAL.



4. MOUNTING

- Mount the coupling on your robot arm. Align with the provided dowel pin*.
- Secure by inserting the M6 screws and tooth lock washers
- Mount the Vacuum Gripper on the coupling. Align with the dowel pin.
- Secure by inserting the M5 screws and tooth lock washers.
- Plug the coupling's cable in the robot's wrist connector.
- Cover the connection using the protector** and the provided M4 screws
- To install either a 2 or a 4 suction cups gripper, please refer to the Connector Assembly Guide. You can find details on assembling the Suction Cup System.



* The dowel pin should fit tightly on the robot wrist, and loosely in the end effector.

** Select the connection protector corresponding to your robot model in the GRP-ES-CPL-PRO kit.



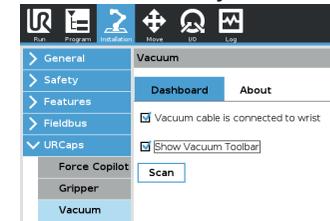
5. SOFTWARE INSTALLATION

- Have a USB stick that contains the **.urcap** file (refer to step 3) and insert it in the robot's teach pendant.
- Tap the triple bar icon in the upper right corner and select **Settings**.
- Tap **System** in the left navigation pane.
- Tap URCaps in the pane, then tap the button.
- Open the file **Robotiq_Grippers-X.X.X.urcap**.
- Tap the **Restart** button, in the bottom right corner of the screen, to activate the URCap.

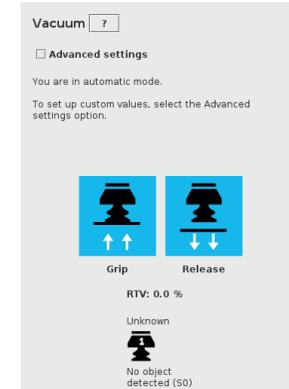


6. DETECTING THE GRIPPER

- Initialize the robot.
- Tap the **Installation** tab in the Header.
- Tap the **URCaps** tab in the navigation pane on the left.
- Select **Vacuum** in the URCaps dropdown list.
- Ensure the **Vacuum cable is connected to wrist** check box is selected.
- Tap the **Scan** button to locate any connected gripper.



- Tap the **UR+** tab to expand the Vacuum Toolbar.
- The Vacuum Toolbar allows you to test the vacuum gripper.



Vacuum Gripper Toolbar



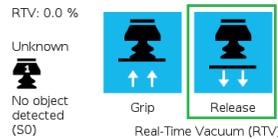
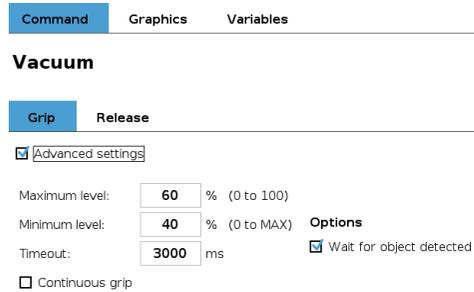
7. PROGRAMMING THE GRIPPER

Vacuum Node

- Tap the **Program** tab at the top of the screen.
- Tap the **URCaps** tab in the left navigation pane.
- Tap **Vacuum** in the URCaps dropdown list.
- Tap the **Command** tab to edit the action of your gripper.

To grip a part

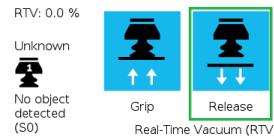
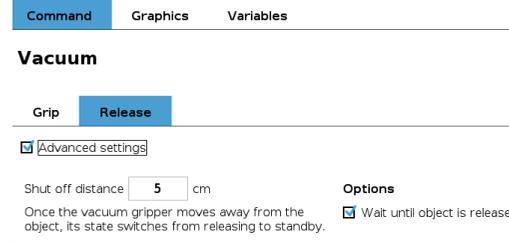
- In the **Command** tab, select the **Grip** tab;
- You can specify a range for the maximum and minimum vacuum levels (%), and specify a timeout (ms) by checking the **Advanced settings** box.
- To establish nominal values for your application, tap the **Grip** button.



Vacuum command - GRIP

To release a part

- In the **Command** tab, select the **Release** tab;
- If the **Advanced settings** box is checked, enter a **Shut off distance** (cm).
- To establish nominal values for your application, tap the **Release** button.



Vacuum command - RELEASE



Vacuum Gripper

E PICK

QUICK START GUIDE

For installation on e-Series Universal Robots



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