EZGripper Robotic Gripper

Robot Mounting Guide

Universal Robots

EZGripper Gen2 Mounting Plate

Compatible with Gen1 and Gen2 EZGripper robotic grippers.
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Overview

These instructions show how to physically attach the EZGripper robotic grippers to the Universal Robots series UR3, UR5 and UR10 robotic arms.

The EZGripper robot mounting plate is simple, yet industrial duty and includes the Fast Connect system. The Fast Connect system uses two clevis pins to securely attach the EZGripper robotic gripper to the robot wrist. This is strong, reliable and fast.

![EZGripper Gen2 robot mount with clevis pins](image)

Figure 1: EZGripper Gen2 robot mount with clevis pins

The EZGripper robot mount can attach to an EZGripper Gen2 Dual as well as Gen1 EZGripper Dual or EZGripper Quad gripper configurations. In all cases, the grippers are center aligned onto the mount and therefore the robot arm flange.

The EZGripper robotic gripper mount is composed of ~4mm thick 5051 aluminum for high strength, stiffness and lightweight.
Simple Mounting Instructions

1) Mount EZGripper mounting plate onto the UR flange with bolts (not shown in these instructions)
2) Plug the Robotis servo cable into EZGripper servo connector (not shown)
3) Mount the EZGripper robotic gripper onto the mounting plate using clevis pins

Figure 2: EZGripper Gen2 Dual gripper with mount, clevis pins and lock rings

Figure 3: EZGripper Dual attached to mount with clevis pins inserted
ISO-9409-1 Mounting Pattern

Mounting Bolts

- Quantity 4

M6X10 Low Head Socket Cap Screw Steel 8.8 DIN7984 (preferred)
M6X10 Button Head Socket Cap Screw Steel 10.9 ISO7380
Note: The full height M6 socket screws will hit interfere with the gripper mounting.