Electric Parallel Gripper – EG17

This attachment option is a high precision D.C. Powered linear parallel gripper with a large reach and tapped holes on extended fingers to allow for complete customisation for the user.

This option is pre-assembled and does not require any extra attachments between the robot and the controller.

Features

When powered, the parallel gripper works in a linear fashion to slide the two jaws together in the form of a parallel gripping motion.

The jaws are supplied with M3 threaded holes to allow for adaptability of custom attachments either from ST Robotics or a third party design.

The motor has been picked to allow for enough gripping force for typical applications that the R17 robot unit may be tasked to complete.

Specifications

- Gripping Force: 20 Newtons
- Operating Temperature: 0 – 70 °C.
- Total Stroke: 12.5mm (6.25mm per finger)
- Time to close/open: 500ms

Applications and Uses

Typical applications can include pick and place routines, scan and store itemization or parity with a moving track to enhance manufacturing capabilities.

Technical support:
Email: support@strobotics.com
Telephone: +44 122 342 0288

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