



P17 Pneumatic Gripper option for R17

The P17 pneumatic gripper is a parallel sliding gripper which uses air pressure to operate its open/close mechanism. The basic option comprises a pneumatic circuit and one gripper with tapped holes for extra mounts for attachments.

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

Features

This pneumatic gripper option uses linear slides which has very high accuracy and repeatability numbers through its open and close cycle times. The pneumatic loop allows you to control this through our standard software and on the teachpad/bluetooth teachpad.

As the gripper by default comes with 4 tapped holes (2 on each jaw) the customisation of the finger attachments can be tailored to your specific needs, either via a third party or by taking advantage of our finger design service.

Specifications

- Maximum stroke per finger: 3mm (6mm total)
- Gripping force: 18N-60N (0.2 MPa – 0.7 MPa pressure)
- Finger type: 2 tapped through holes per jaw.
- Repeatability: +/- 0.01mm

Applications and Uses

By featuring a high gripping force and customisation with the jaws, this item can be used in many high payload scenarios. Pick and place routines, working with a track or integration with item manipulation procedures can all be suitable uses of this product.

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