



Pneumatic Gripper Kit – P12

The R12 pneumatic gripper is a parallel sliding gripper which uses air pressure to complete its open/close mechanism. The base kit will comprise of a pneumatic loop and one gripper with tapped holes for extra mounts for attachments.

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

Features and contents

The pneumatic gripper features linear slides which contains very high accuracy and repeatability through its open and close cycle times. The pneumatic loop supplied allows you to control this gripper through our standard software and on the 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 fingers design service.

Key Features

- Maximum stroke per finger: 2mm (4mm total)
- Gripping force: 7N-25N (0.2MPa – 0.7 Mpa pressure)
- Finger type: 2 tapped through holes per finger.
- Repeatability: +/- 0.01mm

Applications and Use Case Scenarios

With a clean high gripping force this gripper can be used in various lab oriented tasks, holding specimens in place or customised to hold unique items in place. Working with a track or a toolchanger can expand the scope for this gripper.

If you have any queries about this product or if you need further knowledge about customisation of this kit (or custom fingers) then please contact us:

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