



# Pneumatic Gripper - Parallel (End Mount Grip)

## Single Acting - Normally Open



**KP06MSA-MB**

NITRA Pneumatics grippers are an excellent choice for many automation applications. They are available in both parallel and angular travels in seven different body sizes. Grippers are either double acting, single acting normally closed or single acting normally open. Anodized aluminum bodies include integral mounting slots for position switches.

### Features

- Seven sizes available (6 to 40mm bore)
- Double acting or single acting N.O. or N.C.
- Anodized aluminum bodies
- Position switch ready with integral mounting slots



| NITRA Pneumatic Gripper - Parallel (End Mount Grip) - Single Acting Normally Open |                         |          |                              |                  |             |           |                   |          |          |              |
|-----------------------------------------------------------------------------------|-------------------------|----------|------------------------------|------------------|-------------|-----------|-------------------|----------|----------|--------------|
| Part No.                                                                          | Description             | Style    | Action                       | Size - Bore (mm) | Stroke (mm) | Grip      | Body              | Port(s)  | Price    | Weight (lbs) |
| <a href="#"><u>KP06MSA-MB</u></a>                                                 | NITRA pneumatic gripper | Parallel | Single acting, normally open | 6                | 4           | End Mount | Anodized aluminum | M3 x 0.5 | \$242.00 | 0.1          |
| <a href="#"><u>KP10MSA-MB</u></a>                                                 |                         |          |                              | 10               |             |           |                   |          | \$261.00 | 0.2          |
| <a href="#"><u>KP16MSA-MB</u></a>                                                 |                         |          |                              | 16               | 6           |           |                   | M5 x 0.8 | \$267.00 | 0.3          |
| <a href="#"><u>KP20MSA-MB</u></a>                                                 |                         |          |                              | 20               | 10          |           |                   |          | \$379.00 | 0.5          |
| <a href="#"><u>KP25MSA-MB</u></a>                                                 |                         |          |                              | 25               | 14          |           |                   |          | \$452.00 | 1.0          |
| <a href="#"><u>KP32MSA-MB</u></a>                                                 |                         |          |                              | 32               | 22          |           |                   |          | \$683.00 | 1.9          |
| <a href="#"><u>KP40MSA-MB</u></a>                                                 |                         |          |                              | 40               | 30          |           |                   |          | \$781.00 | 3.1          |

| NITRA Pneumatic Gripper Specifications |              |                                                           |
|----------------------------------------|--------------|-----------------------------------------------------------|
| <b>Fluid</b>                           |              | Air (clean/dry)                                           |
| <b>Pressure Range</b>                  | 6mm, 10mm    | 50 to 101 psig (3.45 to 6.96 bar)                         |
|                                        | 16mm to 40mm | 36 to 101 psig (2.48 to 6.96 bar)                         |
| <b>Proof Pressure</b>                  |              | 175 psig                                                  |
| <b>Temperature Range</b>               |              | -4°F to 160°F (0°C to 60°C)                               |
| <b>Lubrication</b>                     |              | Not required                                              |
| <b>Repeatability</b>                   | 6mm to 25mm  | ± 0.01 mm                                                 |
|                                        | 32mm to 40mm | ± 0.02 mm                                                 |
| <b>Max Frequency</b>                   | 6mm to 25mm  | 180 cycles/min                                            |
|                                        | 32mm to 40mm | 60 cycles/min                                             |
| <b>Port Size</b>                       |              | M3 x 0.5 (6 to 10mm units)<br>M5 x 0.8 (16 to 40mm units) |
| <b>Sensor Switch Compatibility</b>     |              | Nitra CPS9H-xx-x or<br>CPS9C-xx-x                         |
| <b>Includes</b>                        |              | Magnet                                                    |
| <b>Approvals</b>                       |              | None                                                      |



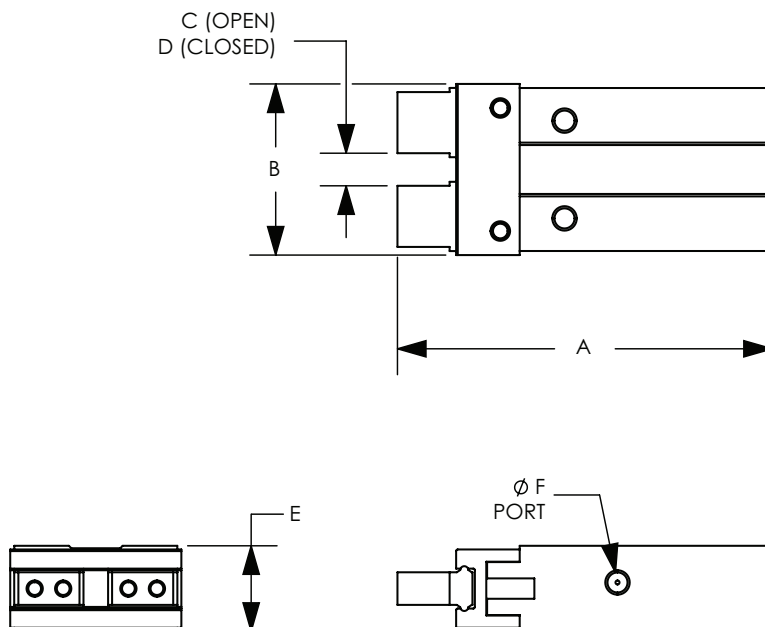
Click the above icon or scan the QR code to be taken to [www.automationdirect.com/selectors/p\\_pneumaticgripper](http://www.automationdirect.com/selectors/p_pneumaticgripper) for our online Gripper Configuration Tool for further selection assistance.



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## Dimensions

mm [inches]



| Pneumatic Gripper Dimensions |              |              |             |            |             |          |
|------------------------------|--------------|--------------|-------------|------------|-------------|----------|
| Part #                       | A            | B            | C           | D          | E           | ØF       |
| <a href="#">KP06MSA-MB</a>   | 46.0 [1.81]  | 21.0 [0.83]  | 4.0 [0.16]  | 1.5 [0.06] | 10.5 [0.41] | M3 x 0.5 |
| <a href="#">KP10MSA-MB</a>   | 48.7 [1.92]  | 30.0 [1.18]  | 5.5 [0.22]  | 1.5 [0.06] | 16.5 [0.65] | M3 x 0.5 |
| <a href="#">KP16MSA-MB</a>   | 58.3 [2.30]  | 39.0 [1.54]  | 7.5 [0.30]  | 1.5 [0.06] | 23.5 [0.93] | M5 x 0.8 |
| <a href="#">KP20MSA-MB</a>   | 73.0 [2.87]  | 53.0 [2.09]  | 11.5 [0.45] | 1.5 [0.06] | 27.5 [1.08] | M5 x 0.8 |
| <a href="#">KP25MSA-MB</a>   | 88.1 [3.47]  | 71.0 [2.80]  | 16.0 [0.63] | 2.0 [0.08] | 33.5 [1.32] | M5 x 0.8 |
| <a href="#">KP32MSA-MB</a>   | 106.0 [4.17] | 106.0 [4.17] | 25.0 [0.98] | 3.0 [0.12] | 40.0 [1.57] | M5 x 0.8 |
| <a href="#">KP40MSA-MB</a>   | 133.0 [5.24] | 132.0 [5.20] | 33.0 [1.30] | 3.0 [0.12] | 48.0 [1.89] | M5 x 0.8 |

See our website [www.AutomationDirect.com](http://www.AutomationDirect.com) for complete Engineering drawings.