

numatics®

Grippers



MPG5 Series

Miniature Parallel Gripper

We're everywhere you need us to be!



MPG Series
Miniature Parallel Gripper



MPG5 Miniature Parallel Gripper

The MPG5 gripper is designed for pick & place of small pieces. The cutting edge design of the MPG5 allow for manifold mounting a series of MPG5's in line without the concerns of space for fittings or airlines. Another unique feature of the MPG5 is the dual-purpose purge port that is part of every gripper. This feature facilitates use of the MPG5 in some clean room applications and very dirty environments.

- A. Shielded design for long service life.
High grip force to weight ratio.
- B. Top porting allows units to be manifold mounted eliminating air fittings. Side and Top porting standard.
- C. Purge port will evacuate any contaminants from inside for a clean room environment. When pressurized the purge will keep debris from entering unit in dirty environments.
- D. Jaws are aluminum bronze alloy and T-Slot style to prevent jaw breakage.



Specifications

GRIP FORCE CLOSE 80 PSI	GRIP FORCE OPEN 80 PSI	STROKE	WEIGHT	DISPLACEMENT	MAXIMUM OPERATING PRESSURE
4.5 lbs.	4.5 lbs.	0.19	0.9 oz	0.008 cu in	120 psi

How To Order

MPG 5 1 6 D X

Series
5

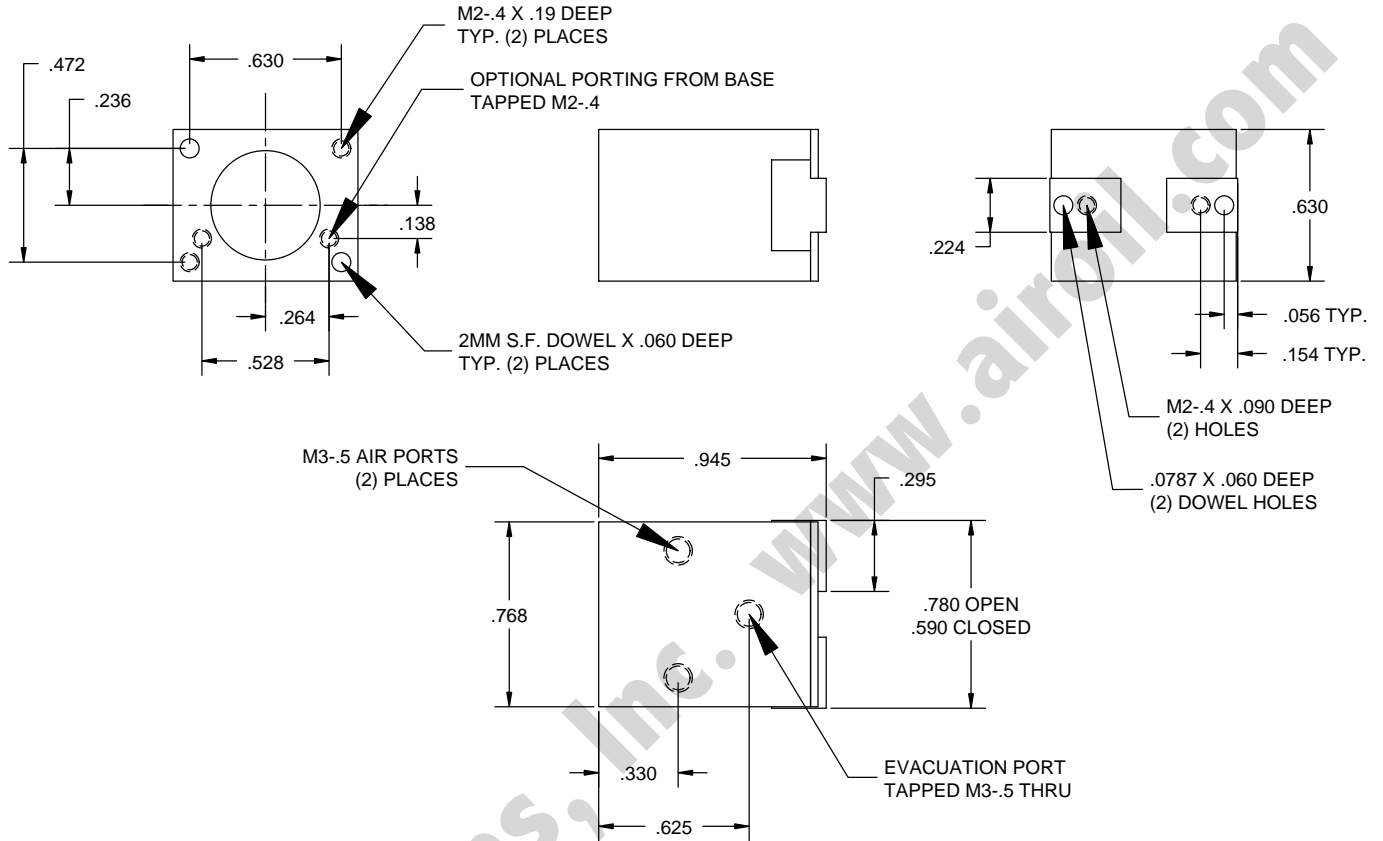
Seal Option
1 = Buna
2 = Viton



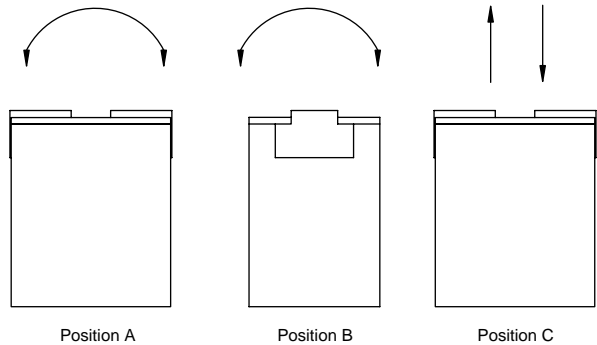
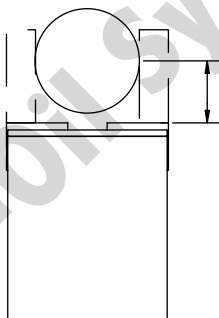
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Dimensions



Performance Data



Grip Force VS. Finger Length

L (FINGER LENGTH)	CLOSE FORCE @ 80 PSI	
1 inch	3.8 lbs.	1.7 Kgf
1.5 inches	3.5 lbs.	1.6 Kgf
2 inches	3.2 lbs.	1.4 Kgf

Recommended Maximum Load Ratings

	MPG5	
Max Load Position A	8 in/lb	0.904 Nm
Max Load Position B	8 in/lb	0.904 Nm
Max Load Position C	12 lbs	5.4 Kgf

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