FEATURES AND BENEFITS

- Jaws are T-Slot bearing supported to prevent jaw breakage and offer superior load bearing performance.
- High gripping force to weight ratio.
- True parallel jaw motion for easy tooling.
- Units are permanently lubricated for non-lube air operation, allowing for compliance with OSHA regulations.
- AGPM-1 is fully field repairable for cost savings and minimum down time.
- Wedge is guided in the body for precise center repeatability.
- Shielded design for long service life.
- Top porting allows unit to be manifolded, eliminating air fittings.
- Purge port on side of unit to evacuate any contaminates from inside for a clean room environment.
- Available in metric only.

SPECIFICATIONS

Design: Parallel, Double Acting, Synchronized Jaws

Stroke: 0.190 in [4.8 mm]
Gripping Force @ 80 PSI [5.5 BAR]
Closing: 9 lbs [40 N]
Opening: 9 lbs [40 N]
Time:
Close: 0.10 sec [0.10 sec]
Open: 0.10 sec [0.10 sec]
Pressure Range:
Low/High 10-100 PSI [.7-.7 BAR]
Temperature Range:
Low/High -20˚/180˚F [-28˚/80˚C]
Side Play: ± 0.001 [.03 mm]
Repeatability from center: ±.002 [.06 mm]

Loading Capacity:
Static
Max Tensile T
20 lbs [88 N]
Max Compressive C
20 lbs [88 N]
Max Moment Mx
12 in/lb [1 Nm]
Max Moment My
15 in/lb [2 Nm]
Max Moment Mz
12 in/lb [1 Nm]
Dynamic
7 lbs [31 N]
7 lbs [31 N]
4 in/lb [.5 Nm]
5 in/lb [.6 Nm]
4 in/lb [.5 Nm]

Material: High Strength, Hard Coated aluminum bronze alloys, Steel

Weight: 1.7 oz. [48.1 g]
Piston Diameter: .437 in [11 mm]

January 2009 - PATENTED Made in the USA
Unless noted, all tolerances are as indicated here:

- All Dowel Holes are SF (Slip Fit) Locational Tolerance ± .0005" [.013mm]
- Metric Threads Course Pitch
  - Imperial: Inch
    - 0.00 = ±.01
    - 0.000 = ±.005
    - 0.0000 = ±.0005
  - Metric: [mm]
    - [0.] = ±.25
    - [0.0] = ±.13
    - [0.00] = ±.013