### SPECIFICATIONS

**Design:** Parallel, Double Acting, Synchronized Jaws  

- **Stroke:** 2 in [50.8 mm]  
- **Gripping Force @ 80 PSI Per Jaw [5.5 BAR]:**  
  - Closing: 36 lbs [160 N]  
  - Opening: 38 lbs [170 N]  
- **Time:**  
  - Close: 0.3 sec [0.3 sec]  
  - Open: 0.3 sec [0.3 sec]  
- **Pressure Range:**  
  - Low/High: 20-120 PSI [1.7-8 BAR]  
- **Temperature Range:**  
  - Low/High: -20˚/180˚F [-28˚/80˚C]  
- **Side Play:** ± 0.001 [.03 mm]  
- **Repeatability from Center:** ± 0.002 [.06 mm]  
- **Loading Capacity:**  
  - Static  
    - Max Tensile T: 100 lbs [445 N]  
    - Max Compressive C: 100 lbs [445 N]  
  - Dynamic  
    - Max Moment Mx: 175 in/lb [19.5 Nm]  
    - Max Moment My: 250 in/lb [28 Nm]  
    - Max Moment Mz: 175 in/lb [19.5 Nm]  
- **Material:** High Strength, Hard Coated aluminum bronze alloys, Steel  
- **Weight:** 2 lbs [9 kg]  
- **Piston Diameter:** .625 in x 4 [15.8 mm]  
- **January 2009 - PATENTED**  
- **Made in the USA**

### FEATURES AND BENEFITS

- Ultra high gripping force to weight ratio due to four opposing independent pistons that direct power to the jaws.  
- True parallel jaw motion for easy tooling.  
- Units are permanently lubricated for non-lube air operation, allowing for compliance with OSHA regulations.  
- Large jaw support shafts are guided through the full width of the main body.  
- Proximity switches are available to monitor open and closed position of the jaws.  
- The AGW Series is fully field repairable for cost savings and minimum downtime.  
- Non-synchronous versions allow the gripper’s jaws to comply to the part’s centerline versus the gripper’s centerline.

### HOLDING FORCES CHART

- **WARNING!** Do not exceed tooling jaw length.  
- **LOOK!** More Technical specifications for sensors on “Sensors Accessories” page.

### LOADING INFORMATION

- **LOADING INFORMATION**
  - **MF:** MAXIMUM EFFECTIVE FINGER LENGTHS L-MAX

### HOW TO ORDER

**When ordering, please specify:**

- **Design/Model Number and Options.**

**DESIGN/MODEL**

- AGW-250  
- AGW-375-1  
- AGW-375-2  
- AGW-375-4  
- AGW-500-1  
- AGW-500-2  
- AGW-500-4  
- AGW-625-2  
- AGW-625-4  
- AGW-625-6

**SENSOR OPTIONS**

- 1 = CLOSED  
- 2 = OPEN  
- 3 = BOTH

**SENSOR CONNECTOR**

- 1 = POTTED  
- 2 = QUICK DISCONNECT  
- 3 = QUICK DISCONNECT WITH RIGHT ANGLE

**SENSOR TYPE**

- 1 = NPN  
- 2 = PNP

**NON-SYNCHRONIZED OPTION**

- **TYPE**  
  - M = METRIC  
  - = IMPERIAL

**SENSOR PART #**

- SNQ04, SNC04, SPC04, SPQ04

**NOTE:** Proximity 4mm dia., 5-24 VDC, 22 mA and comes with 2 meter cable.