**AGLP-2 Parallel Gripper**

**FEATURES AND BENEFITS**

- Jaws are T-Slot bearing supported to prevent jaw breakage and offer superior load bearing performance.
- Rugged rack and pinion synchronizing.
- High gripping force to weight ratio.
- Compact design with long stroke.
- True parallel jaw motion for easy tooling.
- Units are permanently lubricated for non-lube air operation, allowing for compliance with OSHA regulations.
- Hall effect sensors are available to monitor open and closed position of the jaws.
- AGLP is fully field repairable for cost savings and minimum down time.

**SPECIFICATIONS**

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

**Stroke:** 0.50 in [12.7 mm]

**Gripping Force @ 80 PSI [5.5 BAR]**
- Closing: 10 lbs [44 N]
- Opening: 10 lbs [44 N]

**Time:**
- Close: 0.12 sec [0.12 sec]
- Open: 0.12 sec [0.12 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]

**Loading Capacity:**
- Max Tensile T
  - Static: 65 lbs [289 N]
  - Dynamic: 20 lbs [89 N]
- Max Compressive C
  - Static: 65 lbs [289 N]
  - Dynamic: 20 lbs [89 N]
- Max Moment Mₓ
  - Static: 60 in/lb [6.7 Nm]
  - Dynamic: 15 in/lb [1.6 Nm]
- Max Moment Mᵧ
  - Static: 60 in/lb [6.7 Nm]
  - Dynamic: 20 in/lb [2.2 Nm]
- Max Moment M₂
  - Static: 60 in/lb [6.7 Nm]
  - Dynamic: 15 in/lb [1.6 Nm]

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

**Weight:** 2 oz [56 g]

**Piston Diameter:** .625 in [15.8 mm]

**January 2009 - PATENTED**

**LOADING INFORMATION**

**HOLDING FORCES CHART**

**WARNING!** Do not exceed tooling jaw length. See Chart above.

**LOADING INFORMATION**

**LOOK!** More Technical specifications for sensors on “Sensors Accessories” page.

**HOW TO ORDER**

When ordering, please specify:
- Design/Model Number and Options.

**DESIGN/MODEL**

AGLP

**SIZE:** 1, 2, 3, 4

**TYPE**

M = METRIC

= IMPERIAL

**SENSOR TYPE**

1 = NPN
2 = PNP

**SENSOR OPTIONS**

1 = CLOSED
2 = OPEN
3 = BOTH

**SENSOR CONNECTOR**

1 = POTTED
2 = QUICK DISCONNECT

*NOTE: Hall Effect 4mm dia., 5-24 VDC, 22 mA and comes with 2 meter cable or quick disc.

Sensor Part # SHN01, SHNQ3, SHP01, SHPQ3

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Sensor Part # SHN01, SHNQ3, SHP01, SHPQ3
Unless noted, all tolerances are as indicated here:

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

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