AGLP-3 Parallel Gripper
T-Slot Bearing Series, Low Profile

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: 0.75 in [19 mm]

Gripping Force @ 80 PSI [5.5 BAR]
- Closing: 14 lbs [62 N]
- Opening: 14 lbs [62 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: 120 lbs [533 N]
  - Dynamic: 40 lbs [177 N]
- Max Compressive C
  - Static: 120 lbs [533 N]
  - Dynamic: 40 lbs [177 N]
- Max Moment M_x: 75 in/lb [8.5 Nm]
- Max Moment M_y: 100 in/lb [11.3 Nm]
- Max Moment M_z: 100 in/lb [11.3 Nm]

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

Weight: 5 oz [142 g]

Piston Diameter: 0.700 in [17.7 mm]

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HOLDING FORCES CHART

LOADING INFORMATION

HOW TO ORDER
When ordering, please specify:
Design/Model Number and Options.

SENSOR OPTIONS
1 = CLOSED
2 = OPEN
3 = BOTH

SENSOR CONNECTOR
1 = POTTED
2 = QUICK DISCONNECT

SENSOR TYPE*
1 = NPN
2 = PNP

* 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