AGP-63 Three Jaw Parallel Gripper
T-Slot Bearing Series

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.
- 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.
- AGP is fully field repairable for cost savings and minimum down time.
- Multiple mounting surfaces on jaw for easy tooling.
- Optional stripper plate ensures part preload in location upon release.

SPECIFICATIONS
Design: Parallel, Double Acting, Synchronized Jaws
Stroke: .62 in [15.7 mm]
Gripping Force @ 80 PSI [5.5 BAR]
Closing: 200 lbs [889 N]
Opening: 194 lbs [862 N]
Time:
Close: 0.22 sec [0.22 sec]
Open: 0.22 sec [0.22 sec]
Pressure Range:
Low/High: 30-120 PSI [2-8 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:
Max Tensile T
Static 1250 lbs [5560 N]
Dynamic 400 lbs [1780 N]
Max Compressive C
Static 1250 lbs [5560 N]
Dynamic 400 lbs [1780 N]
Max Moment Mx
1000 in/lb [112 Nm] 400 in/lb [45 Nm]
Max Moment My
1000 in/lb [112 Nm] 400 in/lb [45 Nm]
Max Moment Mz
1000 in/lb [112 Nm] 300 in/lb [33.9 Nm]
Material: High Strength, Hard Coated aluminum bronze alloys, Steel
Weight: 2.3 lbs [1 kg]
Piston Diameter: 2.75 in [69.8 mm]

January 2009 - PATENTED Made in the USA

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

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

Sensor Part #: SHN02, SHNQ4, SHP02, SHPQ4

LOADING INFORMATION

LOADING FORCES CHART

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

HOW TO ORDER

DESIGN/MODEL

TYPE
M = METRIC
= IMPERIAL

SENSOR TYPE*
1 = NPN
2 = PNP

SENSOR CONNECTOR
1 = POTTED
2 = QUICK DISCONNECT
3 = QUICK DISCONNECT WITH RIGHT ANGLE
Unless noted, all tolerances are as indicated here:

- Metric Threads
  - Course Pitch
  - Imperial: 0.000 = ±0.01
  - 0.0000 = ±0.005
  - Metric: [mm] 0.000 = ±0.25
  - 0.0000 = ±0.013

All Dowel Holes are SF (Slip Fit) Locational Tolerance ±0.005" [0.13mm]