FEATRUES AND BENEFITS

- Jaws are T-Slot bearing supported to prevent jaw breakage and offer superior load bearing performance.
- Spreading jaws and Ejector jaws have independent pistons to provide exact timing of O-ring placement.
- Compact design with long adjustable stroke.
- True parallel jaw motion for easy tooling.
- Hole through center facilitates part seating and ejection.
- Available in Imperial only.

SPECIFICATIONS

Design: Parallel, Double Acting, Synchronized Sealed Jaws, Through Hole

Stroke: Spread 1.625 in. adj. [42.9 mm]
Ejecting 0.55 in [13.9 mm]

Gripping Force Per Jaw @ 80 PSI [5.5 BAR]
- Spreading Jaw: 1121230 lbs [each] @80 psi.*
- Ejector Jaw: 750 lbs [combined] @80 psi.*

Time:
- Close: 0.2 sec [0.2 sec]
- Open: 0.2 sec [0.2 sec]

Pressure Range:
- Low/High 30-100 PSI [2-7 BAR]

Temperature Range:
- Low/High -20˚/180˚F [-28˚/80˚C]

Side Play:
- ± 0.001 [0.03 mm]

Repeatability from center:
- ±.002 [0.06 mm]

Loading Capacity:
- Static Max Tensile 160 lbs [711 N]
  Max Compressive 160 lbs [711 N]
- Dynamic Max Moment Mx 400 in/lb [45 Nm]
  My 440 in/lb [50 Nm]
  Mz 400 in/lb [45 Nm]
- Max Compressive C 45 lbs [200 N]

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

Weight: 26 lbs [11.7 Kg]

January 2009 - PATENTED Made in the USA

HOLDING FORCES CHART

LOADING INFORMATION

HOW TO ORDER

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

SENSOR TYPE*
- 1 = NPN
- 2 = PNP

SENSOR OPTIONS
- 1 = JAW OPEN
- 2 = EJECTOR DOWN
- 3 = BOTH

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

* NOTE: Proximity sensors are 6.5 mm smooth barrel, 1230 VDC, 50 mA and comes with 2 meter cable.

Sensor Part # SNC06, SNQ06, SPC06, SPQ06

WARNING
DO NOT EXCEED MAXIMUM FINGER LENGTHS

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

LOOK!
More Technical specifications for sensors on “Sensors Accessories” page.
AGP-10-OR Parallel Gripper
8-Finger Gripper for Placing O-Rings, T-Slot Bearing Series

Unless noted, all tolerances are as indicated here:

All Dowel Holes are SF (Slip Fit) Locational Tolerance ± .0005" [.013mm]

Metric Threads

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<th>Pitch</th>
<th>Inch</th>
<th>0.00 = ± .01</th>
<th>0.000 = ± .005</th>
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Imperial:

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Download 2D & 3D CAD Files
@www.AGI-Automation.com
Basic operating instructions

1 Eject air port
2 Jaw close air port
3 Jaw open air port
5 Stroke adjustment screw
6 Adjustment screw lock

To adjust stroke, first loosen adjustment screw locks [marked #6] 2 places. Next, drive adjustment screws [marked #5] down to shorten stroke or back out to lengthen. Adjust both screws equally. Complete the adjustment by locking both (#6) adjustment screw locks.