**FEATURES 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

**Stroke:**
- Spread: 1.10 in. adj. [27.9 mm]
- Ejecting: 0.55 in [13.9 mm]

**Gripping Force Per Jaw @ 80 PSI [5.5 BAR]**
- Spreading Jaw: 200 lbs [889 N]
- Ejector Jaw: 310 lbs [1378 N]

**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:**
- ±0.002 [.06 mm]

**Loading Capacity:**
- Static
  - Max Tensile T: 100 lbs [445 N]
  - Max Compressive C: 100 lbs [445 N]
  - Max Moment Mx: 200 in/lb [22 Nm]
  - Max Moment My: 230 in/lb [26 Nm]
  - Max Moment Mz: 200 in/lb [22 Nm]
- Dynamic
  - Max Tensile T: 30 lbs [130 N]
  - Max Compressive C: 30 lbs [130 N]
  - Max Moment Mx: 50 in/lb [6 Nm]
  - Max Moment My: 60 in/lb [6 Nm]
  - Max Moment Mz: 50 in/lb [6 Nm]

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

**Weight:**
- 8 lbs [3.6 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, 12-30 VDC, 50 mA and comes with 2 meter cable.

Sensor Part # SNC06, SNQ06, SPC06, SPQ06

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

**LOOK!** More Technical specifications for sensors on "Sensors Accessories" page.
AGP-8-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

Imperial: 0.00 = ±.01
0.000 = ±.005
0.0000 = ±.0005

Metric: [0.] = ±.25
[0.0] = ±.13
[0.00] = ±.013

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.