FEATURES AND BENEFITS

- Jaws machined from S7 tool steel to prevent jaw breakage.
- Ultra high gripping force to weight ratio.
- True parallel jaw motion for easy tooling.
- Units are permanently lubricated for non-lube air operation, this allowing for compliance with OSHA regulations.
- Additional side mounting holes and side air ports for optional mounting and porting available.
- Proximity switches are available to monitor open and closed position of the jaws.
- Fully field repairable for cost savings and minimum down time.

SPECIFICATIONS

Design: Parallel, Double Acting, Synchronized Jaws

Stroke: 0.25 in [6.3 mm]
Gripping Force @ 80 PSI [5.5 bar]:
Closing: 20 lbs [89 N]
Opening: 22 lbs [97 N]
Time: Close: 0.2 sec [0.2 sec]
Open: 0.2 sec [0.2 sec]
Pressure Range: 30-120 PSI [2-8 bar]
Temperature Range: -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 T 100 lbs [444 N]
Max Compressive C 150 lbs [667 N]
Max Moment Mx 90 in/lb [10 Nm]
Max Moment My 90 in/lb [10 Nm]
Max Moment Mz 90 in/lb [10 Nm]
Material: High Strength, Hard Coated aluminum bronze alloys, Steel
Weight: 4 oz. [113 g]
Piston Diameter: 1.00 in [25.4 mm]

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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 = CLOSED
2 = OPEN
3 = BOTH

OPTIONAL PORT

* NOTE: Proximity sensors are 4 mm dia., 12-30 VDC, 50 mA and comes with 2 meter cable or quick disc.
Sensor Part # SNC04, SNQ04, SPC04, SPQ04
AGP-250 Parallel Gripper
Double Guided Wedge

Unless noted, all tolerances are as indicated here:

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

Imperial: 0.00 = ±.01
Metric: 0.00 = ±.005

Metric Threads Course Pitch

Imperial: 0.000 = ±.0005
Metric: 0.00 = ±.013

American Grippers, Inc. 171 Spring Hill Road, Trumbull, CT 06611  Tel: 203-459-8345  Fax: 203-452-5943
info@AGI-Automation.com • www.AGI-Automation.com