AGA-60 Angular Gripper
Double Guided, Low Profile

FEATURES AND BENEFITS
• Grippers provide up to 180° of angular jaw travel allowing the jaws to completely retract from the work area eliminating another required axis of travel.
• High gripping force to weight ratio.
• Compact design with long stroke.
• Jaw rotations can be adjusted from 0-90° to allow the gripper to be custom fit to each application.
• Units are permanently lubricated for non-lube air operation, allowing for compliance with OSHA regulation.
• Proximity sensors are available to monitor open and closed position of the jaws.
• AGA is fully field repairable for cost savings and minimum down time.
• The gripper body has two mounting surfaces with dowel pin holes to provide accurate mounting in a variety of positions.

SPECIFICATIONS
Design: Angular
Stroke: 0-180° adj
Gripping Force @ 80 PSI [5.5 BAR]
Closing: 820 lbs [3600 N]
Opening: 691 lbs [3070 N]
Time:
Close: 0.5 sec [0.5 sec]
Open: 0.5 sec [0.5 sec]
Pressure Range:
Low/High: 10-120 PSI [.7-8 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 1200 lbs [5330 N]
Dynamic 400 lbs [1780 N]
Max Compressive C Static 1200 lbs [5330 N]
Dynamic 400 lbs [1780 N]
Max Moment Mx 930 in/lb [105 Nm]
My 880 in/lb [99.5 Nm]
Mz 880 in/lb [99.5 Nm]
Material: High Strength, Hard Coated aluminum bronze alloys, Steel
Weight: 6 lbs [2.7 kg]
Piston Diameter: 3.0 in [76 mm]

January 2009 - PATENTED Made in the USA

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

LOADING INFORMATION

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 # SNQ04, SNC02, SPC02, SPQ04
Unless noted, all tolerances are as indicated here:

- All Dowel Holes are SF (Slip Fit) Locational Tolerance ± .0005" [.013mm]
- Metric Threads Course Pitch

| Imperial | 0.00 = ±0.01 |
| 0.000 = ±0.005 |
| 0.0000 = ±0.0005 |
| Metric: [mm] |
| [0.1] = ±0.25 |
| [0.01] = ±0.13 |
| [0.00] = ±0.013 |

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