AGA-50 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: 720 lbs [3200 N]
Opening: 685 lbs [3050 N]
Time:
Close: 0.2 sec [0.2 sec]
Open: 0.2 sec [0.2 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
1200 lbs [5330 N]
Max Compressive C
1200 lbs [5330 N]
Max Moment Mₓ
930 in/lb [105 Nm]
Max Moment Mᵧ
880 in/lb [20.3 Nm]
Max Moment Mₗ
880 in/lb [99.5 Nm]
Material: High Strength, Hard Coated aluminum bronze alloys, Steel
Weight:
5.5 lbs [2.3 kg]
Piston Diameter:
2.25 in [57.2 mm]
January 2009 - PATENTED Made in the USA

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

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

SIZE: 10, 20, 30, 40, 50, 60
TYPE: M = METRIC = IMPERIAL
SENSOR OPTIONS
1 = CLOSED
2 = OPEN
3 = BOTH
SENSOR TYPE*
1 = NPN
2 = PNP
SENSOR CONNECTOR
1 = POTTED
2 = QUICK DISCONNECT
3 = QUICK DISCONNECT WITH RIGHT ANGLE

* NOTE: Hall Effect 4mm dia., 5-24 VDC, 22 mA and comes with 2 meter cable.
Sensor Part # SNQ04, SNC02, SPC02, SPQ04

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Unless noted, all tolerances are as indicated here:

- All Dowel Holes are SF (Slip Fit) Locational Tolerance ± .0005" [.013mm]
- Metric Threads
  - Imperial: 0.000 = ±.01
  - Metric: [0.] = ±.25
- Course Pitch
  - Imperial: 0.000 = ±.005
  - Metric: [0.0] = ±.13
  - [0.00] = ±.013