**AGA-40 Angular Gripper**

**Double Guided, Low Profile**

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**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.

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**SPECIFICATIONS**

**Design:** Angular

**Stroke:** 0-180° adj

**Gripping Force @ 80 PSI [5.5 BAR]**
- Closing: 180 lbs [800 N]
- Opening: 168 lbs [747 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:**

<table>
<thead>
<tr>
<th>Static</th>
<th>Dynamic</th>
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<tbody>
<tr>
<td>Max Tensile T</td>
<td>Max Compressive C</td>
</tr>
<tr>
<td>90 lbs [400 N]</td>
<td>40 lbs [177 N]</td>
</tr>
<tr>
<td>90 lbs [400 N]</td>
<td>40 lbs [177 N]</td>
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**Max Moment M_x:** 150 in/lb [17 Nm]
**Max Moment M_y:** 180 in/lb [20.3 Nm]
**Max Moment M_z:** 150 in/lb [17 Nm]

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

**Weight:** 2.25 lbs [1 kg]
**Piston Diameter:** 1.5 in [38 mm]

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**LOADING INFORMATION**

**HOLDING FORCES CHART**

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**HOW TO ORDER**

When ordering, please specify:
- Design/Model Number and Options.
- Sensor Part # SNQ04, SNC02, SPC02, SPQ04

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*NOTE: Hall Effect 4mm dia., 5-24 VDC, 22 mA and comes with 2 meter cable.*
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 = ±0.1
    - 0.000 = ±0.005
  - **Metric:**
    - [0.] = ±0.25
    - [0.0] = ±0.13
    - [0.00] = ±0.013

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