AGA-30 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: 75 lbs [333 N]
Opening: 62 lbs [275 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
Static 60 lbs [266 N]
Dynamic 30 lbs [130 N]

Max Compressive C
Static 60 lbs [266 N]
Dynamic 30 lbs [130 N]

Max Moment Mx
90 in/lb [10 Nm]
30 in/lb [3.4 Nm]

Max Moment My
140 in/lb [15.8 Nm]
35 in/lb [4 Nm]

Max Moment Mz
90 in/lb [10 Nm]
30 in/lb [3.4 Nm]

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

Weight: 1.5 lbs [.7 kg]
Piston Diameter: 1.125 in [28.5 mm]

January 2009 - PATENTED Made in the USA

LOADING INFORMATION

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

SIZE: 10, 20, 30, 40, 50, 60

DESIGN/MODEL
AGA 30 M - 3 - 1 - 1 - OP

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

SIZE:
[ ]

OPTIONAL PORT

* NOTE: Hall Effect 4mm dia., 5-24 VDC, 22 mA and comes with 2 meter cable.

Sensor Part # SNQ04, SNC02, SPC02, SPQ04