AGW-375-1 Parallel Gripper
Wide-Body, Synchronous/Non-Synchronous

FEATURES AND BENEFITS
- Ultra high gripping force to weight ratio due to four opposing independent pistons that direct power to the jaws.
- True parallel jaw motion for easy tooling.
- Units are permanently lubricated for non-lube air operation, allowing for compliance with OSHA regulations.
- Large jaw support shafts are guided through the full width of the main body.
- Proximity switches are available to monitor open and closed position of the jaws.
- The AGW Series is fully field repairable for cost savings and minimum down time.
- Non-synchronous versions allow the gripper’s jaws to comply to the part’s centerline versus the gripper’s centerline.

SPECIFICATIONS
Design: Parallel, Double Acting, Synchronized Jaws
Stroke: 1 in [25.4 mm]
Gripping Force @ 80 PSI Per Jaw [5.5 BAR]
Closing: 36 lbs [160 N]
Opening: 38 lbs [170 N]
Time: Close: 0.3 sec [0.3 sec]
Open: 0.3 sec [0.3 sec]
Pressure Range: Low/High 20-120 PSI [1.7-8 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 [445 N] [89 N]
Max Compressive C Static [445 N] [89 N]
Max Moment Mx 175 in/lb [18.7 Nm] [4 Nm]
Max Moment My 250 in/lb [28 Nm] [5.6Nm]
Max Moment Mz 175 in/lb [19.7 Nm] [4 Nm]
Material: High Strength, Hard Coated aluminum bronze alloys, Steel
Weight: 1.3 lbs [6 kg]
Piston Diameter: .625 in x 4 [15.8 mm]

LOADING INFORMATION

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

DESIGN/MODEL
AGW-250
AGW-375-1
AGW-375-2
AGW-375-4
AGW-500-1
AGW-500-2
AGW-500-4
AGW-625-2
AGW-625-4
AGW-625-6

SENSOR OPTIONS
1 = CLOSED
2 = OPEN
3 = BOTH

SENSOR CONNECTOR
1 = POTTED
2 = QUICK DISCONNECT
3 = QUICK DISCONNECT WITH RIGHT ANGLE

SENSOR TYPE*
1 = NPN
2 = PNP

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

Sensor Part #: SNQ04, SNC04, SPC04, SPQ04