

## AGW-500-2 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**

**Piston Diameter:** 

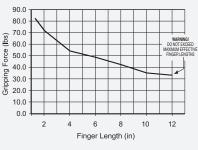
Design: Parallel, Double Acting, Synchronized Jaws

Stroke:	2.5 in	[63.5 mm]
<b>Gripping Force @ 80 F</b> Closing: Opening:	<b>PSI Per Jaw</b> 84 lbs 86 lbs	<b>[5.5 BAR]</b> [373 N] [383 N]
<b>Time:</b> Close: Open:	0.3 sec 0.3 sec	[0.3 sec] [0.3 sec]
<b>Pressure Range:</b> Low/High	20-120 PSI	[1.7-8 BAR]
<b>Temperature Range:</b> 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 <b>T</b>	<b>Static</b> 500 lbs [2220 N]	Dynamic 50 lbs [222 N]
Max Compressive C	500 lbs [2220 N]	50 lbs [222 N]
Max Moment $\mathbf{M}_{\mathbf{X}}$	500 in/lb [56.5 Nm] 750 in/lb [85 Nm] 500 in/lb [56.5 Nm]	75 in/lb [8.5Nm] 50 in/lb
Max Moment <b>M<sub>y</sub></b>		
Max Moment <b>M<sub>z</sub></b>		
Material: High Strength,Hard Coated aluminum bronze alloys, Steel		
Weight:	4 lbs	[1.8 kg]

.875 in x 4 [22.3 mm]

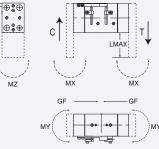
January 2009 - PATENTED Made in the USA

## HOLDING FORCES CHART



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

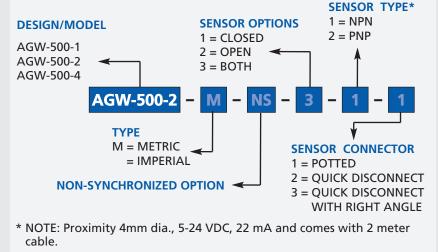
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**LOOK!** More Technical specifications for sensors on "Sensors Accessories" page.

### **HOW TO ORDER**

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



Sensor Part # SNQ04, SNC04, SPC04, SPQ04

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