AGPS-2-3 Parallel Gripper
Single Finger, One Fixed Jaw

FEATURES AND BENEFITS
- T-Slot bearing support for the carriage and end plate offers superior load bearing performance throughout the stoke.
- Standard built-in stroke adjustment and stroke lock for precise, repetitive operation.
- Compact, lightweight unit with built-in cylinder.
- Piston seals are U-CUP type for long service life.
- Hall Effect sensors are available to monitor stroke position.
- Multiple mounting surfaces on the body and endplate with threaded and counterbored holes for easy mounting choices.
- Adjustable stroke on extend and retract.

SPECIFICATIONS
Design: Built-in air cylinder
T-slot slide

Stroke: 1.5 in [38.1 mm]

Thrust Force @ 80 PSI [5.5 BAR]
Extended: 35 lbs [155 N]
Retract: 33 lbs [146 N]

Recommended Speed: 2-12 in/sec [0.5-.3 m/sec]

Pressure Range:
Low/High 20-120 PSI [1.4-8 BAR]

Temperature Range:
Low/High -20˚/150˚F [-28˚/80˚C]

Side Play: ± 0.001 [0.03 mm]

Maximum Payload: 24 lbs [10.8 kg]

Material: High Strength, Aluminum Alloys, Bronze

Weight: 6.8 oz [193 g]

Piston Diameter: .750 in [19 mm]

January 2008 - PATENTED Made in the USA

MAXIMUM FORCES & MOMENTS

<table>
<thead>
<tr>
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<th>Static</th>
<th>Dynamic</th>
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<tbody>
<tr>
<td>Max Tensile T</td>
<td>180 lbs [800 N]</td>
<td>77 lbs [342 N]</td>
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<tr>
<td>Max Compressive C</td>
<td>180 lbs [800 N]</td>
<td>77 lbs [342 N]</td>
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<tr>
<td>Max Moment M_x</td>
<td>70 in/lb [8 Nm]</td>
<td>34 in/lb [3.8 Nm]</td>
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<tr>
<td>Max Moment M_y</td>
<td>70 in/lb [8 Nm]</td>
<td>34 in/lb [3.8 Nm]</td>
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<tr>
<td>Max Moment M_z</td>
<td>70 in/lb [8 Nm]</td>
<td>34 in/lb [3.8 Nm]</td>
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HOW TO ORDER
When ordering, please specify:
Design/Model Number and Options.

SENSOR TYPE
1 = NPN
2 = PNP

SENSOR OPTIONS*
1 = LEFT
2 = RIGHT
3 = BOTH

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

* NOTE: Hall Effect sensors are hard wired with 20" pigtail.
Sensor Part # SHN01, SHP01, SHNQ3, SHPQ3

* NOTE: Hall Effect sensors are hard wired with 20" pigtail.