AGMS-2-1  Mini Powered Slide
Built-In Air Cylinder

FEATURES AND BENEFITS

- T-Slot bearing support for the carriage and end plate offers superior load bearing performance throughout the stroke.
- 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.

SPECIFICATIONS

Design: Built-in air cylinder
T-slot slide

Stroke: 0.5 in [12.7 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-.3m/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 [.03 mm]

Maximum Payload: 7 lbs [3.2 kg]

Material: High Strength, Aluminum Alloys, Bronze

Weight: 4.2 oz [120 g]

Piston Diameter: .750 in [19 mm]

January 2009 - PATENTED  Made in the USA

MAXIMUM FORCES & MOMENTS

<table>
<thead>
<tr>
<th></th>
<th>Static</th>
<th>Dynamic</th>
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<tbody>
<tr>
<td>Max Tensile T</td>
<td>80 lbs [355 N]</td>
<td>34 lbs [151 N]</td>
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<tr>
<td>Max Compressive C</td>
<td>80 lbs [355 N]</td>
<td>34 lbs [151 N]</td>
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<tr>
<td>Max Moment Mx</td>
<td>35 in/lb [3.9 Nm]</td>
<td>19 in/lb [2.2 Nm]</td>
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<tr>
<td>Max Moment My</td>
<td>35 in/lb [3.9 Nm]</td>
<td>19 in/lb [2.2 Nm]</td>
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<tr>
<td>Max Moment Mz</td>
<td>35 in/lb [3.9 Nm]</td>
<td>19 in/lb [2.2 Nm]</td>
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How to Order

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

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[AGMS-2-1 M  3  1  1]
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**Sensor Type**

1 = LEFT
2 = RIGHT
3 = BOTH

**Sensor Options**

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

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info@AGI-Automation.com www.AGI-Automation.com
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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 = ±.01 0.000 = ±.005
- Metric: [0] = ±.25 [0.0] = ±.13 [0.00] = ±.013

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