**FEATURES AND BENEFITS**
- Compact lightweight unit with built-in air cylinder.
- Linear ball bearings ride on precision hardened ground steel shafts.
- Units are permanently lubricated.
- Pistons seals are U-Cup type for long service life.
- Aluminum body and end blocks contain tapped holes and dowel pin holes for precision mounting or fixturing.
- Custom mounting holes and air ports can be added. Please consult factory.
- Main body or end blocks can be anchored due to the 1/16” height clearance.
- Standard built-in stroke adjustment for precise repetitive operation.
- Proximity switches are available to monitor end of stroke position of the body.
- Optional shock absorbers can be ordered for smooth operation.
- Series AGS is fully field repairable for cost savings and minimum down time. Repair kits are available for repairs or maintenance.

### SPECIFICATIONS: AGS-4

**Design:** Built-in air cylinder, linear bearings on steel hardened shafts

**Stroke:** 1 to 4 in [25.4 mm to 101 mm]

**Thrust Force @ 80 PSI [5.5 BAR]**
- 25 lbs [111 N]

**Recommended Speed:**
- 2-14 in/sec [0.5-.35 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 [.03 mm]

**Maximum Payload:** 25 lbs [11.3 kg]

**Material:** High Strength, Aluminum Alloys, Steel Components

**Weight:** 3.5 lbs [1.6 kg]

**Piston Diameter:** .750 in [19 mm]

### SPECIFICATIONS: AGS-4-X

**Custom Stroke:** X= 0 to 4 in [101.6 mm]

### PAYLOAD DATA

<table>
<thead>
<tr>
<th>Metric</th>
<th>Imperial</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max Tensile T</td>
<td>90 lbs [400 N]</td>
</tr>
<tr>
<td>Max Compressive C</td>
<td>90 lbs [400 N]</td>
</tr>
<tr>
<td>Max Moment M_x</td>
<td>220 in/lb [25 Nm]</td>
</tr>
<tr>
<td>Max Moment M_y</td>
<td>220 in/lb [25 Nm]</td>
</tr>
<tr>
<td>Max Moment M_z</td>
<td>220 in/lb [25 Nm]</td>
</tr>
</tbody>
</table>

**Deflection @ Max load 0.003**

**Maximum Payload (25 lbs)** Recommended load for smooth operation.

**Shock Absorbers and Flow are recommended.**

### HOW TO ORDER

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

**DESIGN/MODEL**
- AGS-4
- AGS-5
- AGS-6

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

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

**SENSOR TYPE**
- 1 = NPN
- 2 = PNP

**SHOCK ABSORBERS**

*NOTE: Proximity sensors are 8 mm diam., 12-30 VDC, 50 mA and come with 2 meter cable.*

**Sensor Part #**
- SNC08, SNQ08, SPC08, SPQ08

January 2009 - PATENTED Made in the USA
AGS-4 Powered Slide
Built-In Air Cylinder

CUSTOM MOUNTING AREA

The end blocks and body can be drilled and tapped from top of back side. Shaded area available for custom drilling and tapping. For drilling and tapping end blocks, please consult the factory.

NOTE: Do not exceed mounting screw depth.

WARNING! Do not exceed mounting screw depth.

AVAILABLE IN 1", 2", 3", 4" STROKES

2.500

WARNING!

Do not exceed mounting screw depth. LOOK! More technical specifications for sensors on “Sensors Accessories” page.

1/4"-20 [M6] THRU (2) HOLES EACH END


FAR SIDE/EACH END BLOCK

1/2" [12.70]

1.063

[26.99]

1.000

[25.40]

2.20 [55.9]

(2) HOLES

(MAX)

3.500

[88.90]

.563

[14.29]

1/4"-20 X 1/2" DEEP

[M6 X 13MM DEEP]

(4) HOLES

3/16" [5MM] S.F . THRU (4) DOWEL HOLES

.625

[15.88] TYP

.250

[6.35]

MTG. HOLES

3.0000

[76.200]

DOWELS

C'B FOR 1/4" SHCS [C'B FOR M6 SHCS]

(4) HOLES

ADJUSTABLE HARD STOPS

1 1/8", 2 1/8", 3 1/8", OR 4 1/8" DEPENDING ON STROKE ORDERED

AVAILABLE IN 1", 2", 3" & 4" STROKES

Unless noted, all tolerances are as indicated here:

All Dowel Holes are SF (Slip Fit) Locational Tolerance ±.0005" [.013mm]

Metric Threads Course Pitch Imperial: Inch: 0.0000 = ±.005 0.0000 = ±.0005
0.00 = ±.01 0.00 = ±.005
0.000 = ±.25 [mm]: [0.0] = ±.13 [0.00] = ±.013

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