

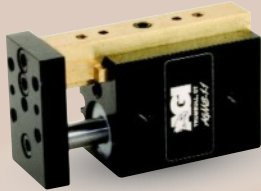


AGMS-1-1 Mini Powered Slide

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: .5 in adj [12.7 mm]

Thrust Force @ 80 PSI [5.5 BAR]

Extended: 15 lbs [66.7 N]
Retract: 13 lbs [57.8 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 [0.03 mm]

Maximum Payload:

3 lbs [1.3 kg]

Material: High Strength, Aluminum Alloys,
Bronze

Weight:

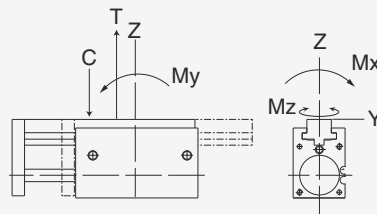
2.5 oz [70.1 g]

Piston Diameter:

.50 in [12.7 mm]

January 2009 - PATENTED Made in the USA

MAXIMUM FORCES & MOMENTS



	Static	Dynamic
Max Tensile T	50 lbs [222 N]	20 lbs [89 N]
Max Compressive C	50 lbs [222 N]	20 lbs [89 N]
Max Moment M_x	25 in/lb [2.8 Nm]	15 in/lb [1.7Nm]
Max Moment M_y	30 in/lb [3.4 Nm]	15 in/lb [1.7Nm]
Max Moment M_z	30 in/lb [3.4 Nm]	15 in/lb [1.7Nm]

HOW TO ORDER

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

DESIGN/MODEL

- AGMS-1-1
- AGMS-1-2
- AGMS-1-3
- AGMS-1-4

TYPE

- M = METRIC
- = IMPERIAL

SENSOR TYPE

- 1 = NPN
- 2 = PNP

AGMS-1-1 M - 3 - 1 - 1

SENSOR OPTIONS*

- 1 = EXTEND
- 2 = RETRACT
- 3 = BOTH

SENSOR CONNECTOR

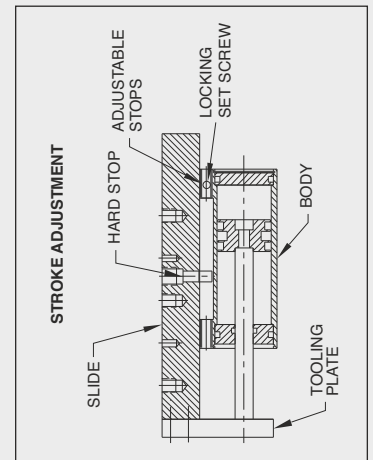
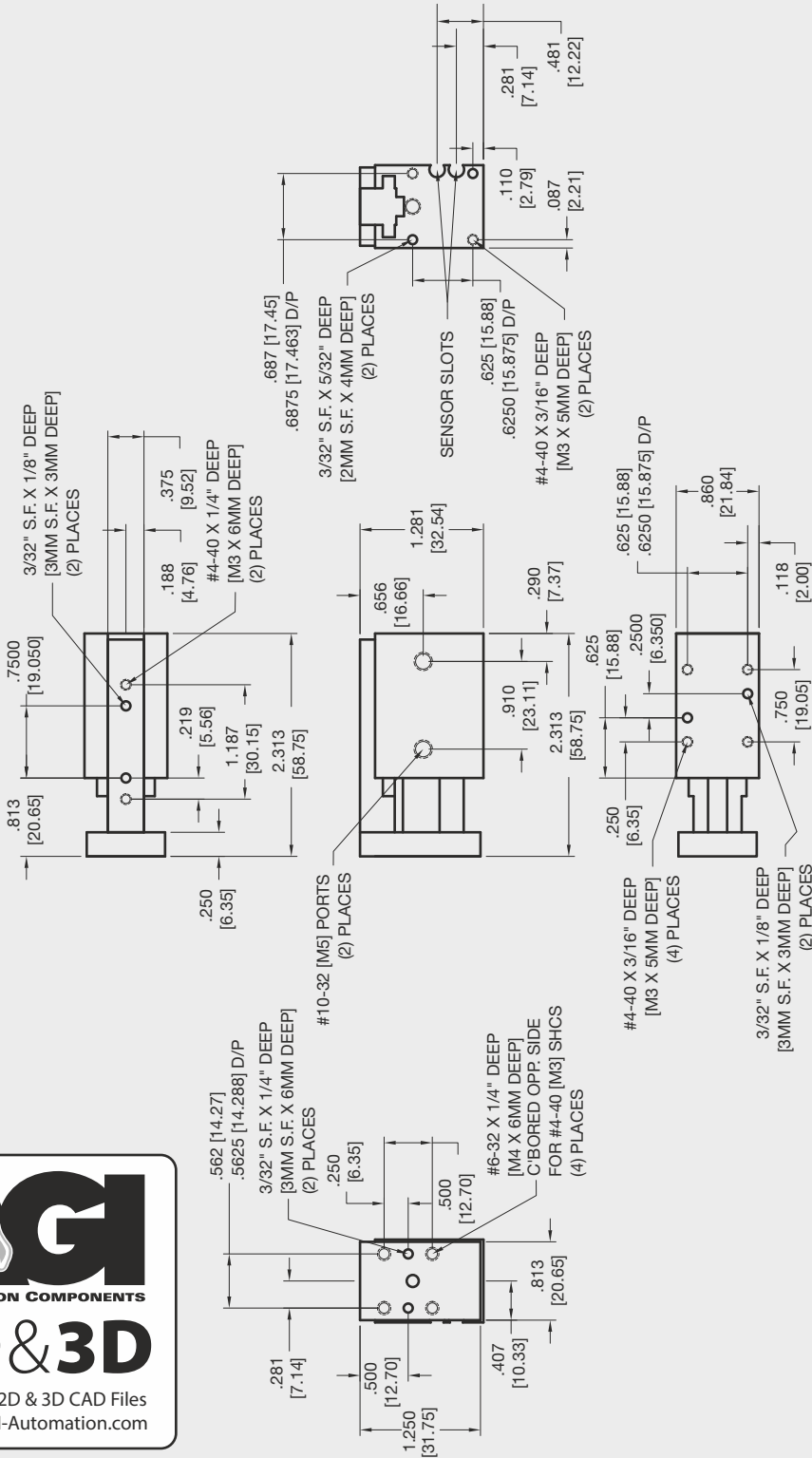
- 1 = POTTED
- 2 = QUICK DISCONNECT
- 3 = QUICK DISCONNECT WITH RIGHT ANGLE

* NOTE: Hall Effect sensors – Potted or Quick disconnect.

Sensor Part # SHN01, SHP01, SHNQ3, SHPQ3

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AGI
AUTOMATION COMPONENTS
2D & 3D

Download 2D & 3D CAD Files
@ www.AGI-Automation.com

Unless noted, all tolerances are as indicated here:



All Dowel Holes are SF (Slip Fit) Locational Tolerance ± .0005" [0.13mm]



Metric Threads Course Pitch

Imperial:
Inch 0.00 = ±.01
0.000 = ±.005
0.0000 = ±.0005

Metric: [0.] = ±.25
[0.0] = ±.13
[0.00] = ±.013