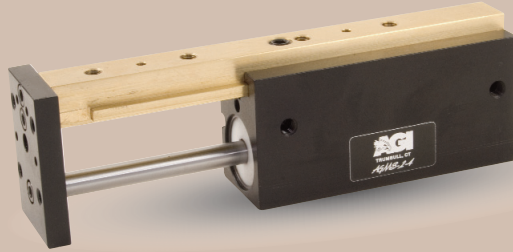




AGMS-2-4 Mini Powered Slide

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.
- Standard built-in stroke adjustment and stroke lock for precise, repetitive operation.
- 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: 2 in [50.8 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 [0.03 mm]

Maximum Payload: 30 lbs [13.6 kg]

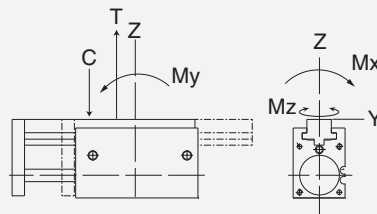
Material: High Strength, Aluminum Alloys, Bronze

Weight: 8.4 oz [240 g]

Piston Diameter: .750 in [19 mm]

January 2009 - PATENTED Made in the USA

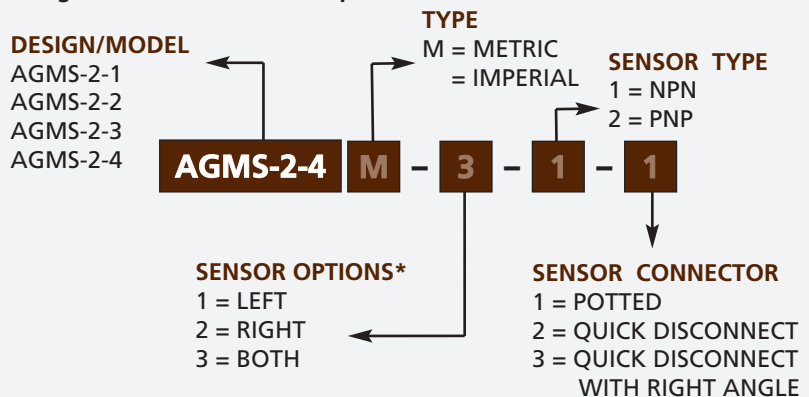
MAXIMUM FORCES & MOMENTS



| | Static | Dynamic |
|-------------------|------------------|-----------------|
| Max Tensile T | 250 lbs [1112 N] | 108 lbs [800 N] |
| Max Compressive C | 250 lbs [1112 N] | 108 lbs [800 N] |
| Max Moment M_x | 120 in/lb [8 Nm] | 62 in/lb [7 Nm] |
| Max Moment M_y | 120 in/lb [8 Nm] | 62 in/lb [7 Nm] |
| Max Moment M_z | 120 in/lb [8 Nm] | 62 in/lb [7 Nm] |

HOW TO ORDER

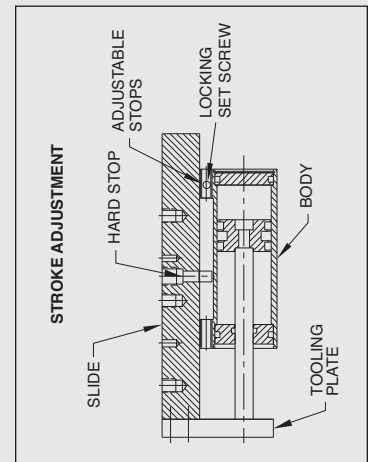
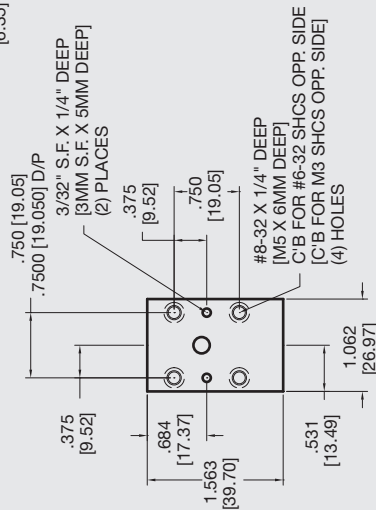
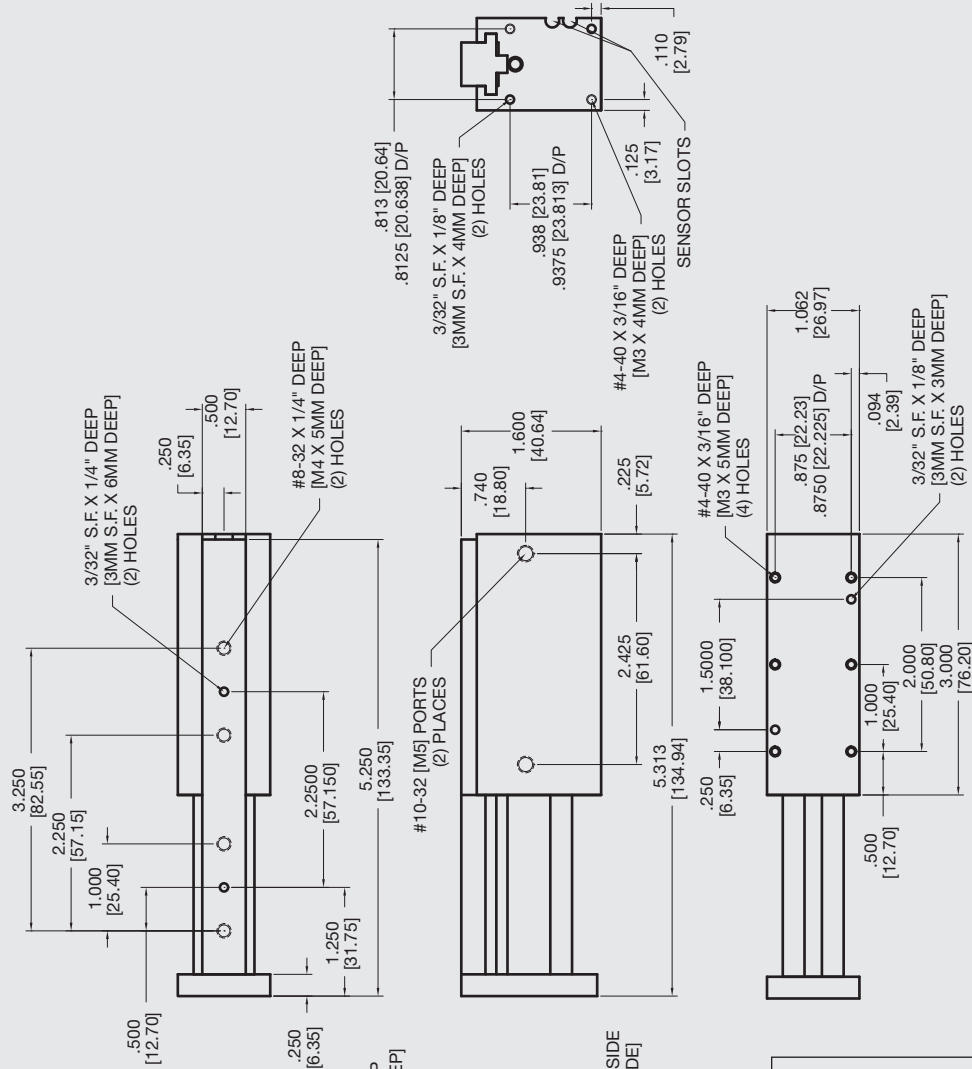
When ordering, please specify:
Design/Model Number and Options.



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

AGMS-2-4 Mini Powered Slide

Built-In Air Cylinder



Unless noted, all tolerances are as indicated here:



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



Metric Threads Course Pitch

Imperial:
 Inch 0.00 = $\pm .01$
 0.000 = $\pm .005$
 0.0000 = $\pm .0005$

Metric: [0.] = $\pm .25$
 [mm] [0.0] = $\pm .13$
 [0.00] = $\pm .013$