AGS-6 Powered Slide
Built-In Air Cylinder

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 body 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-6

Design: Built-in air cylinder, linear bearings on steel hardened shafts
Stroke: 1-6 in
Thrust Force @ 80 PSI [5.5 BAR] 80 lbs [355 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: 100 lbs [45.3 kg]
Material: High Strength, Aluminum Alloys, Steel Components
Weight: 12 lbs [5.5 kg]
Piston Diameter: 1.25 in [31.7 mm]

SPECIFICATIONS: AGS-6-X

Custom Stroke: X= 0 to 6 in [152 mm]
All Other Specifications: Same As Above

PAYLOAD DATA

Max Tensile T 220 lbs [980 N]
Max Compressive C 220 lbs [980 N]
Max Moment Mx 1000 in/lb[113 Nm]
Max Moment My 1000 in/lb[113 Nm]
Max Moment Mz 1000 in/lb[113 Nm]
Deflection @ Max load 0.003
Maximum Payload (100 lbs) Recommended load for smooth operation.

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 TYPE*
1 = NPN
2 = PNP

SHOCK ABSORBERS
1 = POTTED
2 = QUICK DISCONNECT
3 = QUICK DISCONNECT WITH RIGHT ANGLE

TYPE
M = METRIC
= IMPERIAL

AGS-4 STROKE (1", 2", 3", 4")
AGS-5 STROKE (1", 2", 3", 4", 5")
AGS-6 STROKE (1", 2", 3", 4", 5", 6")

* 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
CUSTOM MOUNTING AREA

NOTE: 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. WARNING! Do not exceed mounting screw depth. LOOK! More Technical specifications for sensors on "Sensors Accessories" page.

ADJUSTABLE HARD STOPS

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