

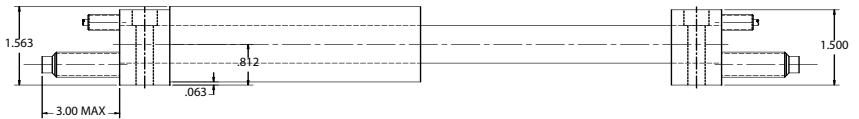
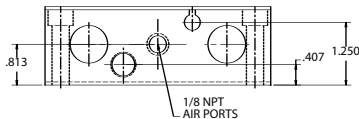
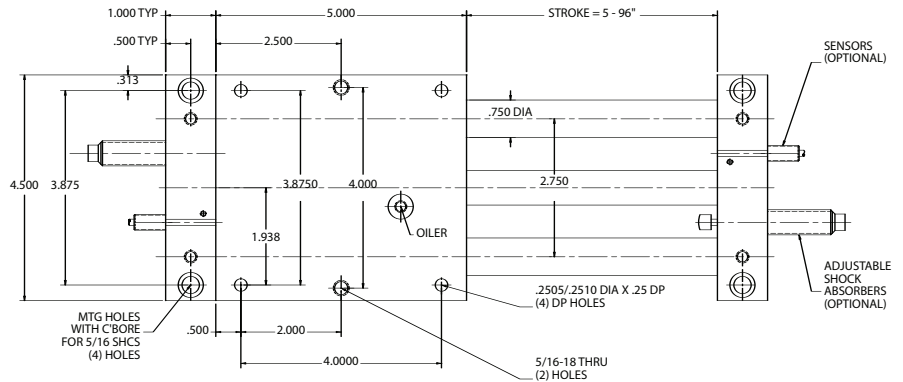


AGSL-5 LONGER STROKE POWERED SLIDE MAGNETICALLY COUPLED RODLESS CYLINDER

DIMENSIONAL DRAWING



Download 2 & 3D CAD Drawings:
www.AGI-AUTOMATION.com



SPECIFICATIONS

- Design:** Carriage magnetically coupled to piston
- Stroke:** 5 - 96 inches
- Thrust Force @ 80 psi:** 24 lbs
- De-coupling Force:** 35 lbs
- Recommended Speed:** 2-16 in/sec
- Pressure Range:**
 - Low: 26 psi
 - High: 101 psi
- Temperature Range:**
 - Low: -14°F
 - High: 140°F
- Side Play:** ±.005 throughout the stroke
- Loading:** 25 lbs max.
- Material:** High Strength Aluminum Alloys, Steel Components.
- Weight:** 5.25 lbs x .28 lbs/in. of Stroke
- Piston Diameter:** .625 inch
- Cushion:** Cushioned at both sides

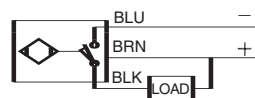
PAYLOAD DATA

Static Loading	Stroke L				
Maximum Tensile T	200 lbs				
Maximum Compressive C	200 lbs				
Maximum Moment	400 in/lbs				
M_x, M_y, M_z					
Deflection @ max load	0.004				
Dynamic Loading Capacity	Stroke L	5-24"	25-48"	49-96"	
Maximum Payload P		25 lbs	10 lbs	5 lbs	Recommended load for smooth operation.
Maximum Moment M_x, M_y, M_z		200 in/lbs	75 in/lbs	25 in/lbs	

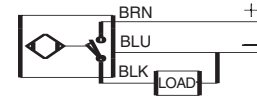
Shock Absorbers and Flow are recommended.

SENSORS WIRING DIAGRAM

NPN - Sinking



PNP - Sourcing



Unless noted, all tolerances are as indicated here



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



Metric Threads
Course Pitch

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

Metric: (0.) = ±.25
(mm) (0.0) = ±.13
(0.00) = ±.013

March 2007
Made in the USA

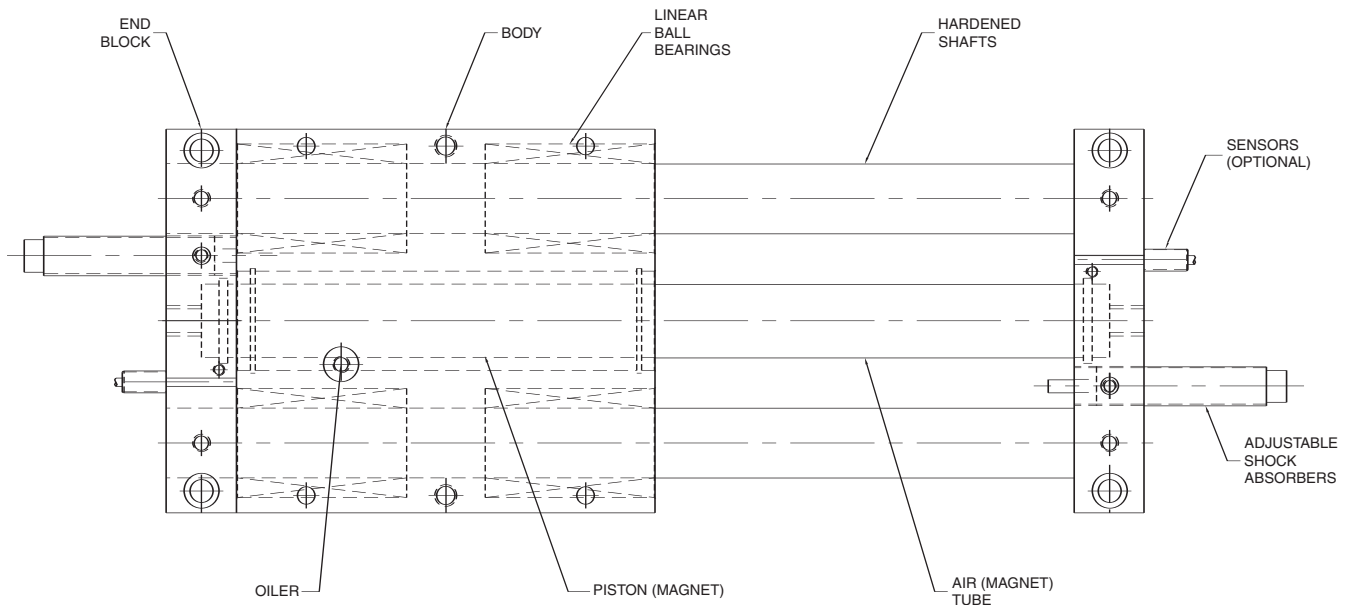
Warning! Do not exceed mounting screw depth

Look! More Technical specifications for sensors on "Sensors Accessories" page.

To ORDER OR FOR MORE INFORMATION, PLEASE CALL (203) 459-8345, FAX (203) 452-5943
VISIT OUR WEBSITE AT: WWW.AGI-AUTOMATION.COM

AGSL LONG STROKE POWERED SLIDE BUILT-IN AIR CYLINDER

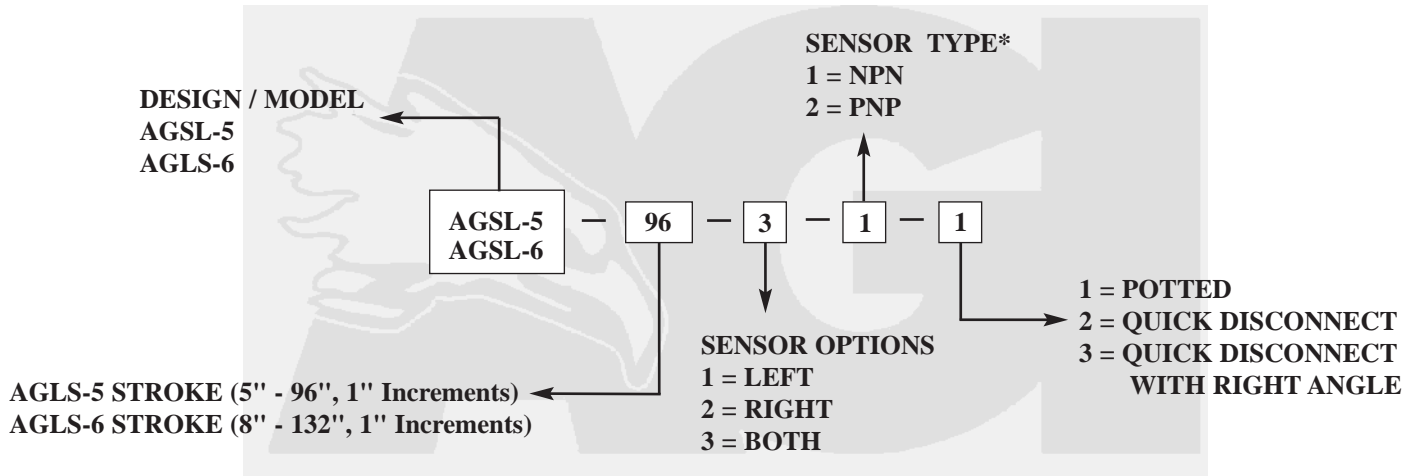
FEATURES AND BENEFITS



- Magnetically coupled cylinder is designed to be leak free due to no mechanical connection between the piston and the body.
- Prelubricated for miles of maintenance-free travel, with easily accessible carriage lubrication port.
- 304 stainless steel tubing and "U" cup seals for lower dynamic friction.
- Compact lightweight unit with built-in air cylinder.
- Linear ball bearings ride on precision ground and hardened shafting.
- Aluminum body and end blocks contain tapped holes for precision mounting or fixturing.
- Main body or end blocks can be anchored due to the 1/16" height difference.

HOW TO ORDER

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



* NOTE: Proximity sensors are 8 mm dia., 12-30 VDC, 200 mA and come with 2 meter cable.
Sensor Part# SNC08, SNQ08, SPC08, SPQ08

MAIL, PHONE, FAX OR EMAIL YOUR ORDER TO: AMERICAN GRIPPERS, INC.
171 Spring Hill Road, Trumbull, CT 06611 Tel: 203-459-8345 • Fax: 203-452-5943
amerigrip@aol.com • www.AGI-AUTOMATION.com