

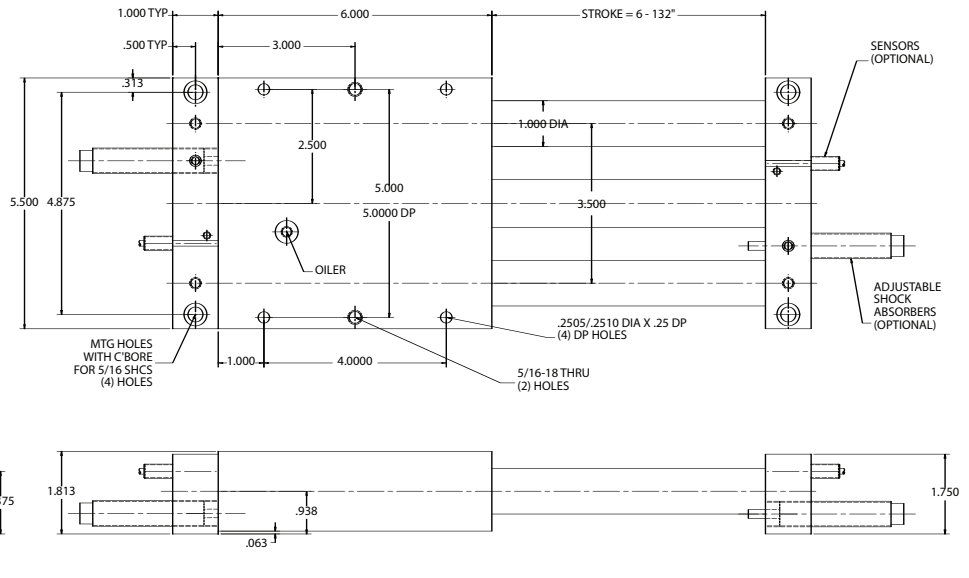


AGSL-6 LONGER STROKE POWERED SLIDE MAGNETICALLY COUPLED RODLESS CYLINDER

DIMENSIONAL DRAWING



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



SPECIFICATIONS

Design:	Carriage magnetically coupled to piston
Stroke:	8-132 inches
Thrust Force @ 80 psi	60 lbs
De-coupling Force	90 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	35 lbs max.
Material	High Strength Aluminum Alloys, Steel Components.
Weight:	5.25 lbs x .28 lbs/in. of Stroke
Piston Diameter:	1.0 inch
Cushion:	Cushioned at both sides

PAYLOAD DATA

Static Loading

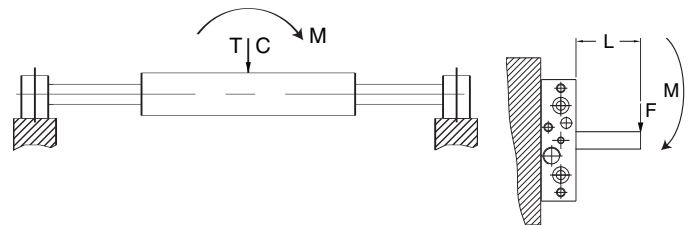
Maximum Tensile T	300 lbs
Maximum Compressive C	300 lbs
Maximum Moment	
M_x M_y M_z	600 in/lbs

Deflection @ max load 0.005

Dynamic Loading Stroke L

Capacity	6-32"	33-64"	65-132"
Maximum Payload P	35 lbs	15 lbs	5 lbs
Maximum Moment M_x	275 in/lbs	100 in/lbs	30 in/lbs

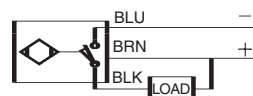
Recommended load for smooth operation.



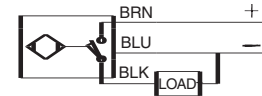
Shock Absorbers and Flow are recommended.

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	Metric:	(0.) = ±.25
Inch	0.000 = ±.005	(mm)	(0.0) = ±.13
	0.0000 = ±.0005		(0.00) = ±.013

March 2007
Made in the USA

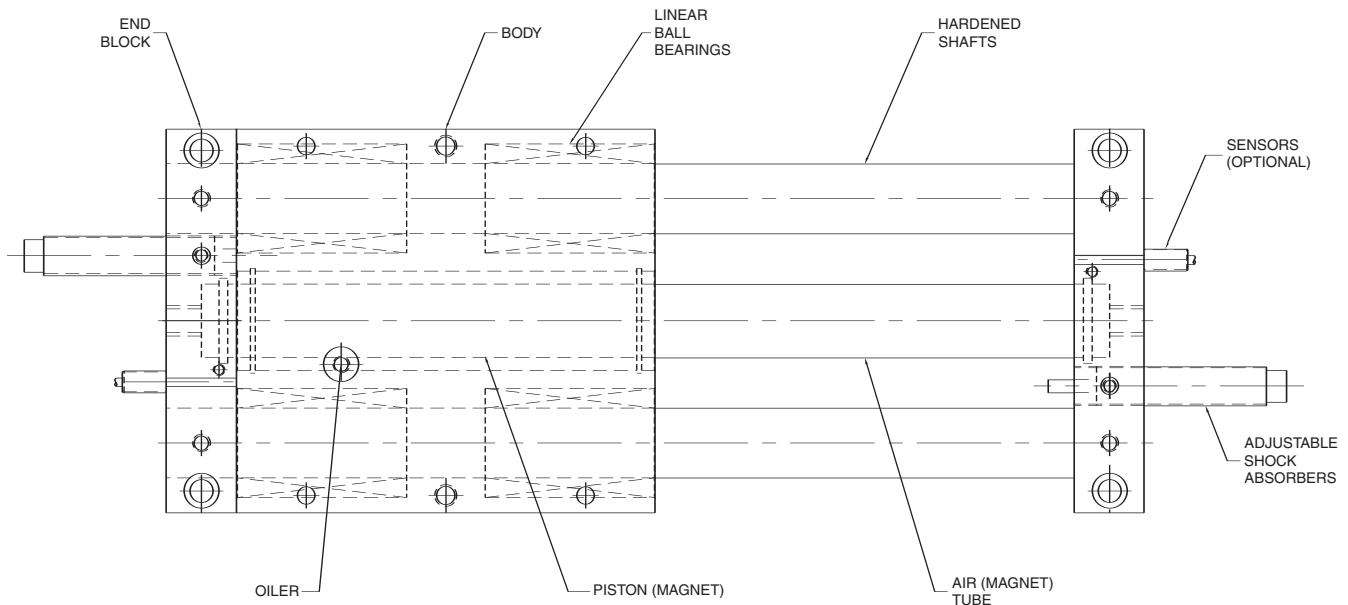
Warning! Do not exceed mounting screw depth

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

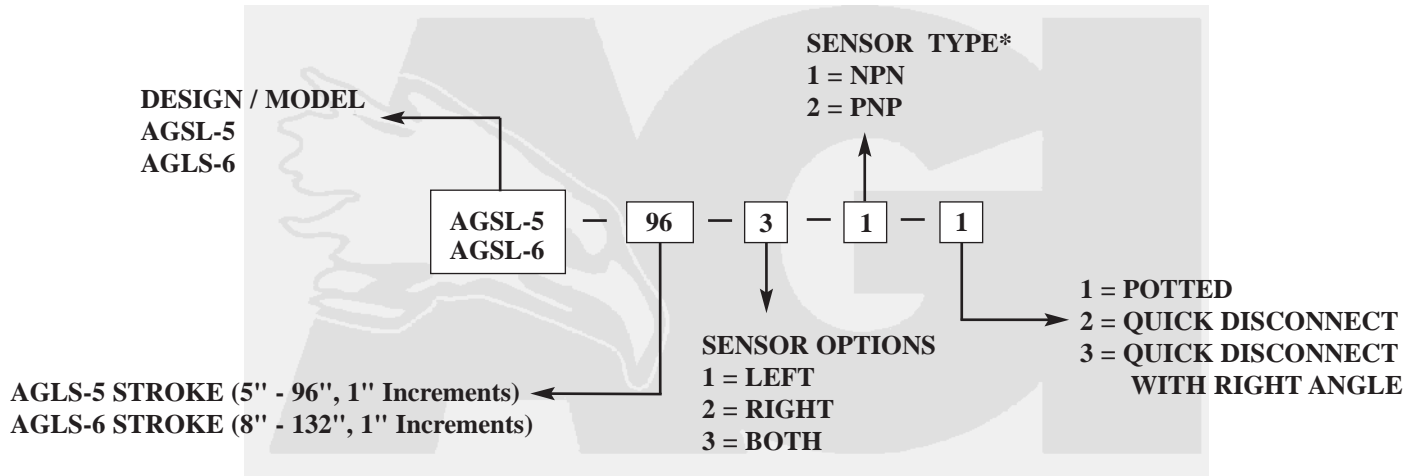
FEATURES AND BENEFITS



- 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.
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