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Pneumatic Linear Actuators

AGI pneumatic linear actuators that are internally powered. The three styles are base slides, magnetically coupled rodless slides, thrusters and pneumatic actuators. The units provide smooth linear motion due to the precision ball bearings riding on hardened ground shafts. The aluminum body and end blocks contain tapped holes and dowel pin holes for precision mounting or fixturing.

Pneumatic Linear Actuators – Base Type

AGS base slides have a built in air cylinder that reduces the overall length or footprint of the unit. Bore sizes are .75 inch, 1 inch and 1.25 inch with strokes from 1 inch to 6 inch. This linear actuator is heavy duty industrial grade, the end blocks are bolted to the shafts. The air feed shaft is gun drilled hardened shafting material to prevent air leaks and extending service life. Bearings are precision linear sealed type for heavy loading and polycarbonate composite bearings are also available. Stroke adjustments are standard on both sides and are sensor and shock absorber ready.

Push Force Stroke range Weight

N lbs mm in kg lbs

AGS-4 111 25 12 to 100 .50 to 4 1.6 3.5

AGS-5 222 50 25 to 127 1 to 5 3.0 6.5

AGS-6 355 80 25 to 153 1 to 6 5.5 12

Pneumatic Linear Thruster Actuators – Thruster Type

AGT Thruster linear actuator slides are powered by an external air cylinder and have an exclusive dual end plate system to keep the shafts from vibrating by making a rigid box frame. **This linear actuator is heavy duty industrial grade, the end blocks are bolted to the shafts and the piston is never used as a stop. Bore sizes are 9/16 inch, 3/4 inch, 1 1/16 and 1 1/2 inch with strokes from 1 inch to 14 inch. Bearings are precision linear sealed type for heavy loading.** Stroke adjustment shock absorber and sensors are optional.

Push Force Stroke range Weight

N lbs mm in kg lbs

AGT-2 89 20 12 to 100 .50 to 4 .23 0.5

AGT-3 196 44 25 to 152 1 to 6 .70 1.5

AGT-4 392 88 25 to 203 1 to 8 1.7 3.75

AGT-5 1120 140 25 to 355 1 to 14 3.2 7.0

Pneumatic Linear Actuators – Long Stroke Rodless Base Type

The AGSL slide series have long strokes that are achieved by a magnetically coupled rodless air cylinder that drives the saddle. **Bearings are precision linear sealed type for heavy loading** ground shafts. Shock absorbers and stroke adjustments are standard on both ends, sensors are optional. www.agi-automtion.com

- Compact lightweight unit with replacable air cylinder.
- Floating piston rod coupling eliminates cylinder binding..
- Units are permanently lubricated for non-lube air operation, allowing for OSHA compliance.
- Optional stroke adjustment for precise, repetitive operation.
- Aluminum body and end blocks contain tapped holes and dowel pin holes for precision mounting or fixturing.
- Standard end plate to stop shaft vibrations.
- Proximity switches are available to monitor end of stroke position of the body.
- Optional shock absorbers can be ordered for smooth operation.
- Series AGT is fully field repairable for cost savings and minimum down time. Repair kits are available for repairs or maintenance.