AGT-3 Powered Slide
Linear Thruster

FEATURES AND BENEFITS
- Floating piston rod coupling eliminates cylinder binding.
- Compact, lightweight unit with replaceable air-cylinder.
- Units are permanently lubricated.
- Optional 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.
- Aluminum body end blocks contain taped holes and dowel pin holes for precision mounting or fixturing.
- Standard end plate to stop shaft vibrations.

PAYLOAD FORCES

WARNING! Do not exceed mounting screw depth.


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

DESIGN/MODEL
AGT-3

STROKE 1"- 6" (1"INCREMENTS)

SENSOR TYPE*
1 = NPN
2 = PNP

SENSOR OPTIONS
1 = LEFT
2 = RIGHT
3 = BOTH

SENSOR CONNECTOR
1 = POTTED
2 = QUICK DISCONNECT
3 = QUICK DISCONNECT WITH RIGHT ANGLE

PAYLOAD FORCES

P1
P2
M

* NOTE: Proximity sensors are 8 mm diam., 12-30 VDC, 50 mA and come with 2 meter cable.
Sensor Part # SNC08, SNQ08, SPC08, SPQ08

SPECIFICATIONS
Design: Replaceable air cylinder, linear bearings on steel hardened shafts
Stroke: 6 in max. (1" increments) [152 mm] [25.4 mm]
Thrust Force @ 80 PSI [5.5 BAR]
30 lbs (multiply force factor by input pressure in PSI)
Extended: 44 lbs [196 N]
Retract: 39 lbs [174 N]
Recommended Speed: 1-40 in/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]
Deflection: See Chart
Maximum Payload: 10 lbs [4.5 kg]
Material: High Strength, Aluminum Alloys, Steel Components
Weight: 1.50 lbs + 2 oz/in [.7 kg + 1.4 g/mm]
Shaft Diameter: 3/8 in [9.5 mm]
Piston Diameter: 3/4 in [19 mm]

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