AGE-3 Feed Escapement
Built-in Air Cylinder

FEATURES AND BENEFITS
• Compact, Long Stroke Escapements made for separating and isolating individual parts from tracks, vibratory feeders or conveyors.
• Internal sequencing and cross porting make sure both rods are extended before either rod can retract, ensuring positive part feeding.
• Easy part jam clearing due to internal back pressure cross port design, this allows both rods to be retracted with the air off.
• Piston seals are U-CUP type for long service life.
• Hall effect sensors are available to monitor stroke position at any point in the stroke.
• Adjustable stroke on retraction.

SPECIFICATIONS
Design: Double Acting, Internal Sequencing
Stroke: 1.56 in [39 mm]
Option: Adjustable Stroke
Thrust Force: @80 psi [5.5 BAR]
Extend Force: 60 lb [270 Kg]
Retract Force: 52 lb [231 Kg]
Time: .35 Sec [.35 sec]
Pressure Range:
Low/High: 20-120 PSI [1.4-8 BAR]
Temperature Range:
Low/High: -20˚/180˚F [-28˚/80˚C]
Side Play:
± .002 in ± 0.06 mm
Loading Capacity:
Max Moment M_x: 230 lbs [24 Nm] [2.6 Nm]
Max Moment M_y: 230 lbs [24 Nm] [2.6 Nm]
Max Moment M_z: 230 lbs [24 Nm] [2.6 Nm]

Material: High Strength, Aluminum Alloys, Bronze
Weight: 1 lb [0.45 Kg]
Piston Diameter: 1 in [25 mm]

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

* NOTE: Hall Effect Sensors are hard wired with a 20" pigtail.
Sensor Part # SHN01, SHP01, SHNQ3, SHPQ3

January 2009 - PATENTED Made in the USA
Unless noted, all tolerances are as indicated here:

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

Metric Threads

Imperial:

- Inch: 0.00 = ±0.1
- 0.000 = ±0.005
- 0.0000 = ±0.0005

Metric:

- [mm]: [0.0] = ±0.25
- [0.0] = ±0.13
- [0.00] = ±0.013