AGE-2 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: 1.25 in [31.7 mm]
Option: Adjustable Stroke
Thrust Force: @80 psi [5.5 BAR]
Extend Force: 35 lb [155 N]
Retract Force: 33 lb [146 N]
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:
Static
Max Moment M_x 150 lbs [11.3 Nm] 13 lbs [2.8 Nm]
Max Moment M_y 150 lbs [11.3 Nm] 13 lbs [2.8 Nm]
Max Moment M_z 150 lbs [11.3 Nm] 13 lbs [2.8 Nm]
Dynamic
Material: High Strength, Aluminum Alloys, Bronze
Weight: 12 oz [340 g]
Piston Diameter: .750 in [19 mm]

TYPICAL OPERATION:
AGI Escapements are two double acting cylinders that are cross ported and internally sequenced. A four way, two position valve is needed to operate this escapement. *Rods A and B must be allowed to extend to the end of it’s stroke to operate.

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
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Unless noted, all tolerances are as indicated here:
- All Dowel Holes are SF (Slip Fit) Locational Tolerance ± .0005” [.013mm]
- Metric Threads Course Pitch
  - Imperial: 0.00 = ±.01
  - Metric: [0] = ±.25
  - 0.000 = ±.005
  - [0.0] = ±.13
  - 0.0000 = ±.0005
  - [0.00] = ±.013

Download 2D & 3D CAD Files
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