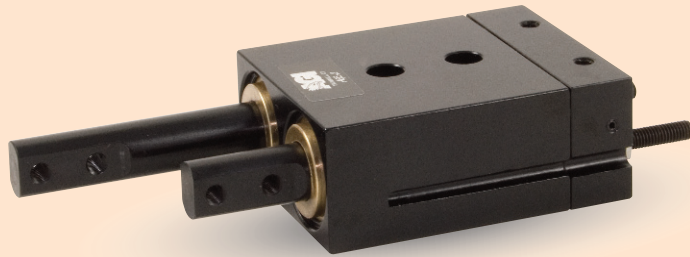


AGE-2 Feed Escapement

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.

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 [15.8 Kg]

Retract Force: 33 lb [15.0 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:

	Static	Dynamic
Max Moment M_x	150 lbs	13 lbs

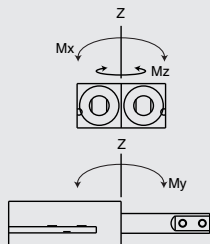
[11.3 Nm] [2.8 Nm]

Max Moment M_y	150 lbs	13 lbs
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[11.3 Nm] [2.8 Nm]

Max Moment M_z	150 lbs	13 lbs
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[11.3 Nm] [2.8 Nm]

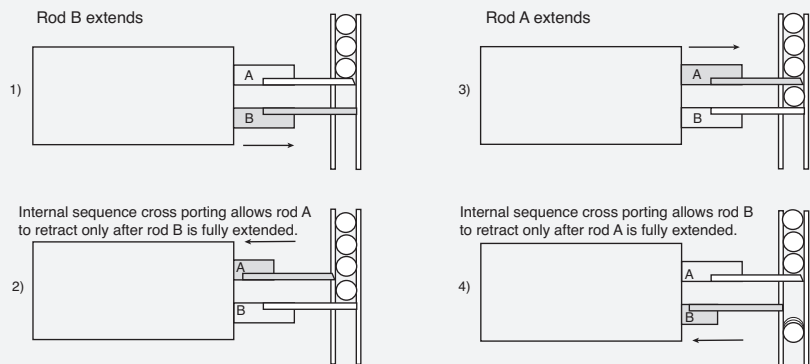


Material: High Strength, Aluminum Alloys, Bronze

Weight: 12 oz [340 g]

Piston Diameter: .750 in [19 mm]

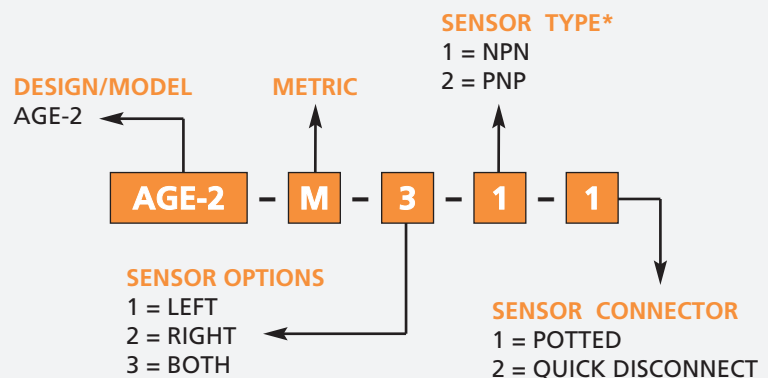
TYPICAL OPERATION:



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

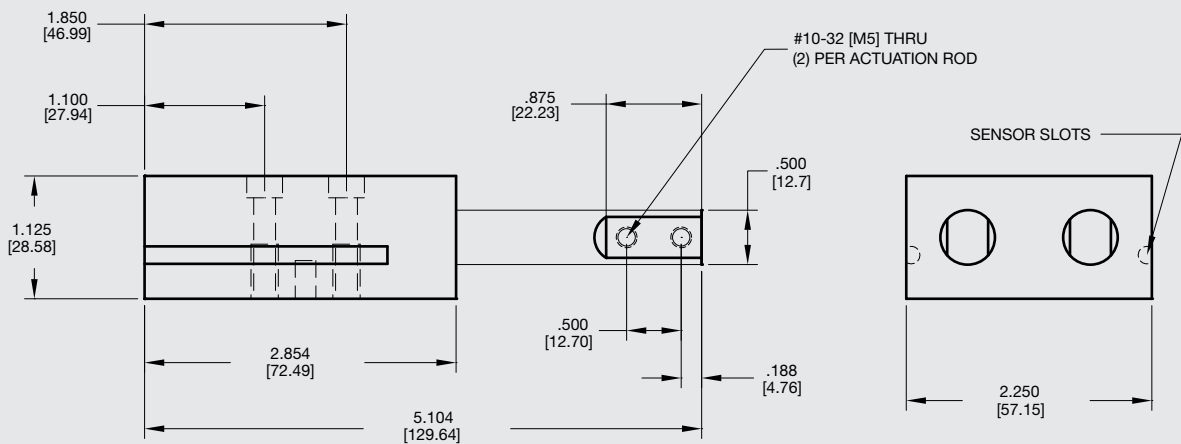
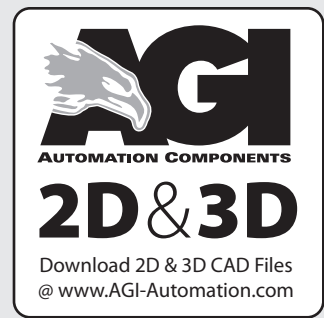
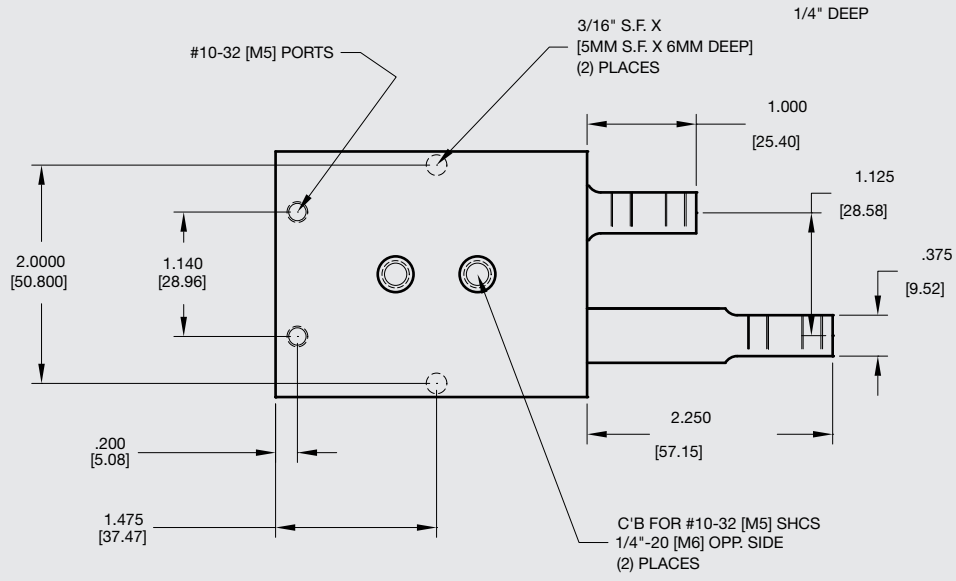
When ordering, please specify:
Design/Model Number and Options.



* NOTE: Hall Effect Sensors are hard wired with a 20" pigtail.

Sensor Part # SHN01, SHP01, SHNQ3, SHPQ3

January 2008 - PATENTED Made in the USA



Unless noted, all tolerances are as indicated here:



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



Metric Threads Course Pitch

Imperial:
Inch 0.00 = $\pm .01$
0.000 = $\pm .005$
0.0000 = $\pm .0005$

Metric: [0.] = $\pm .25$
[mm] [0.0] = $\pm .13$
[0.00] = $\pm .013$