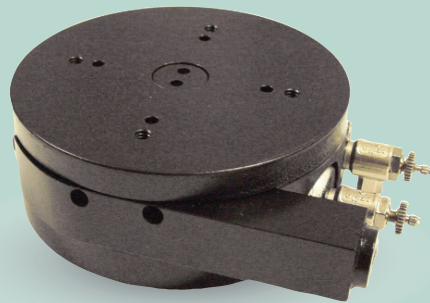


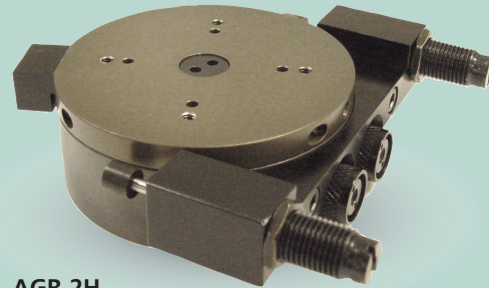


AGR-2P/AGR-2H Rotary Actuator

Mid Position and External Shock Options



AGR-2P



AGR-2H

SPECIFICATIONS

Design: Rack and Pinion with Flange Hard Stop

Rotation Range: 0°-180° (Adj. +/- 5°)

Payload: 3 lbs central to axis of rotation [1.4 Kg]

Torque:
@80 psi [5.5 BAR] 17 in/lb [1.9 Nm]

Bearing Load:
Dynamic 198 lbs [880 N]
Static 385 lbs [1620 N]

Rotation Time:
No load .2 Sec [.2 sec]

Pressure Range:
Low/High 30-120 PSI [2-8 BAR]

Temperature Range:
Low/High -20°/180°F [-28°/80°C]

Backlash: Zero

Accuracy: .001 concentric and perpendicular to axis of rotation

Material: High Strength, Hard Coated Aluminum Alloys, Steel

Weight: 1.2 lb [.5 kg]

Piston Diameter: (2x) .75 in [1.9 mm]

January 2009 - PATENTED Made in the USA

THREE POSITION STOP

The three-position stop option is available on the AGR-2. It provides an extra stop at 90 degrees between 0 and 180 degree of rotation. The mid stop cylinder is single acting, so a three way / two-position valve is required to actuate it. The rotary will need its own four way / two-position valve.

SEQUENCING

The rotary actuator ports A and B will only control clockwise and counter clockwise rotation. Port C will control the mid position stop. With no air pressure on port C the 180 degree rotary will stop at 90 degree. With air pressure on port C the rotary will travel the full 180 degree.

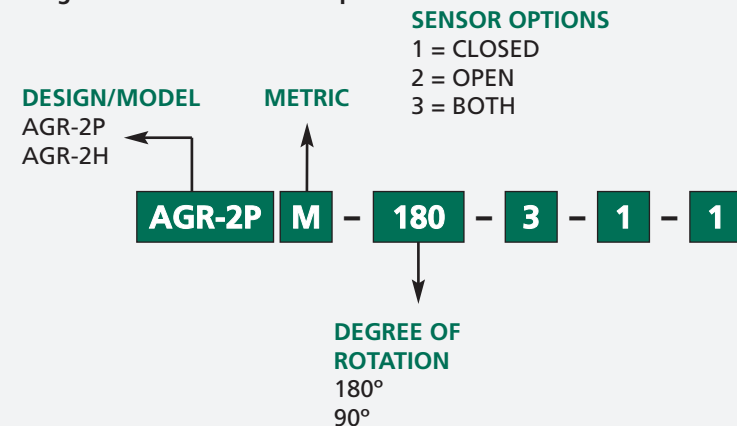
CAUTION: Rotary actuator must be in the full clockwise position before removing pressure from port C.

EXTERNAL SHOCK OPTION

Double the payload of the AGR-2 with the external shock option. Two shocks decelerate the load and allow higher payloads and fast cycle times.

HOW TO ORDER

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

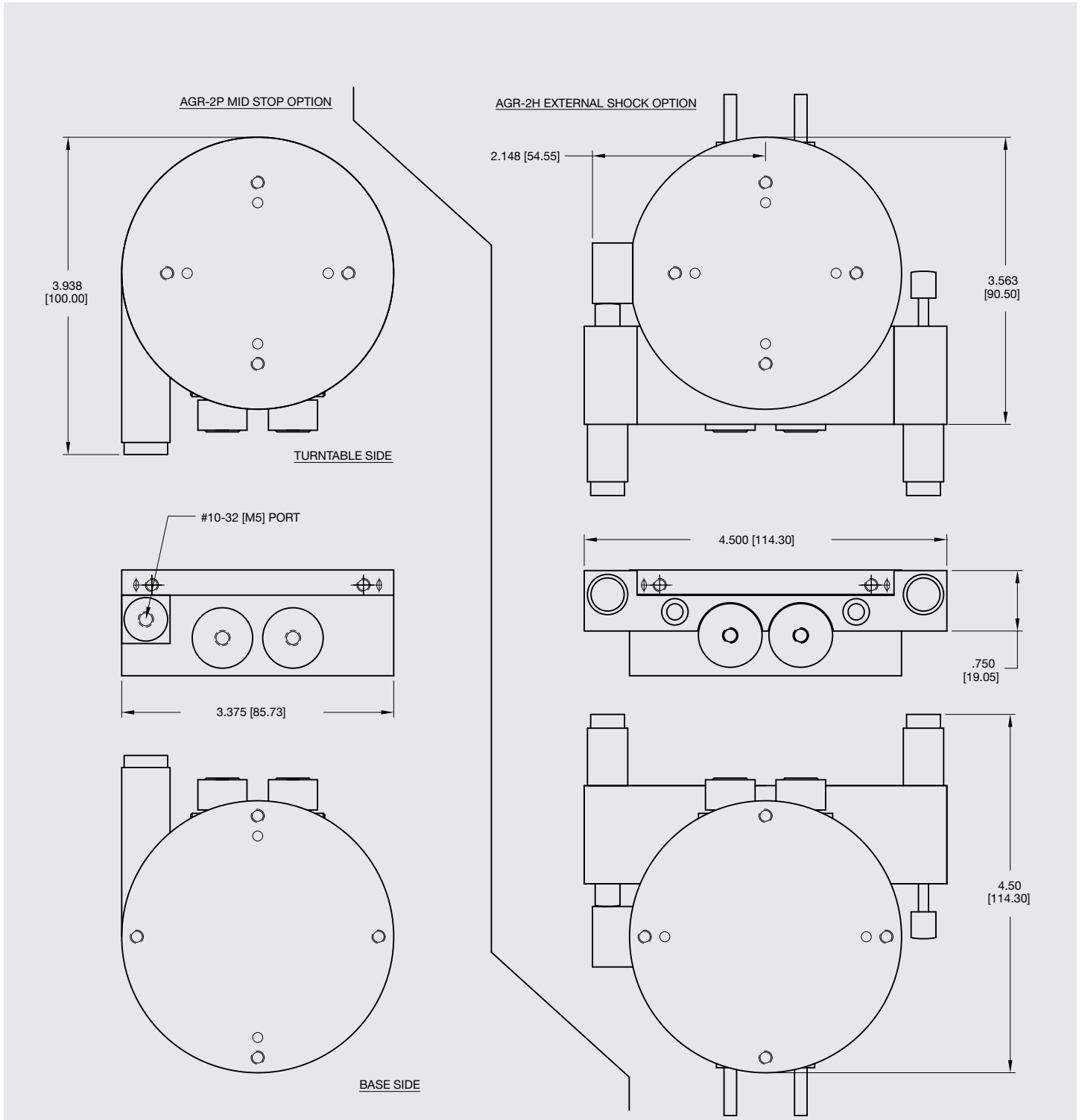


* NOTE: Proximity 4mm dia., 5-24 VDC, 22 mA and comes with 2 meter cable.

Sensor Part # SPC05, SPQ05, SNC05, SNQ05

AGR-2P/AGR-2H Rotary Actuator

Mid Position and External Shock Options



Unless noted, all tolerances are as indicated here:



All Dowel Holes are SF (Slip Fit) Locational Tolerance $\pm .0005"$ [0.13mm]



Metric Threads Course Pitch

Imperial:
Inch 0.00 = ± 0.01
0.000 = ± 0.005
0.0000 = ± 0.0005

Metric:
[0.] = ± 0.25
[0.0] = ± 0.13
[0.00] = ± 0.13