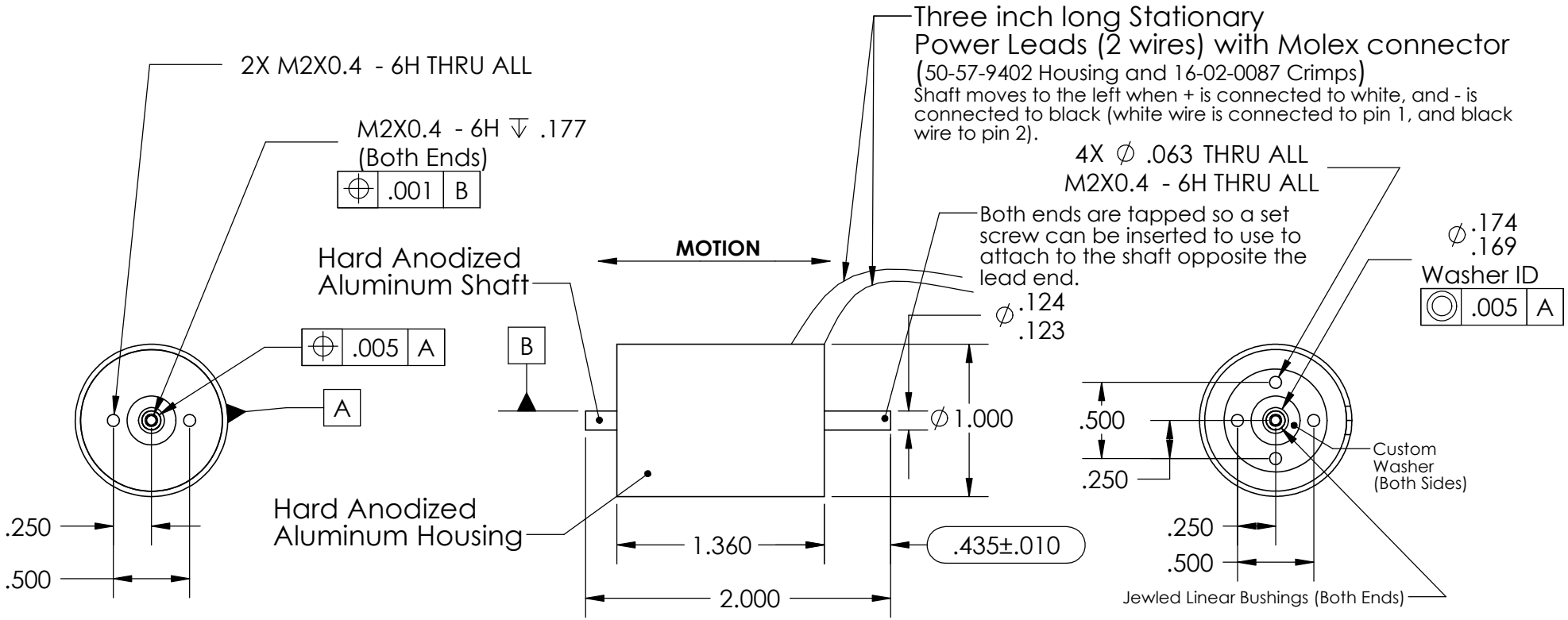
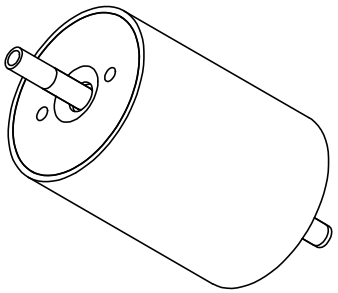
REVISION TABLE					
REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE
H	1742	Added callout and geometric tolerancing for the threaded hole on the shaft	JRM	MPW	04-20-16



The actuator shaft is shown retracted.

Notes:

1. All actuators will undergo 100% inspection and testing prior to shipment; records will be kept at H2W, and will be made available for viewing upon request.
2. A Certificate of Conformance will be furnished that includes each actuator serial number noted on the document, and a specific conformance statement that the power cable wires are crimped to the terminal conductor and 100% inspected per IPC/WHMA-A-620B
3. Each motor will be subjected to a static friction test, which will ensure that the moving permananet field assembly will move to one end due to gravitational forces.



H2W Technologies, Inc.
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www.h2wtech.com

UNLESS SPECIFIED OTHERWISE:
All dimensions are in inches
Standard Tolerances are as follows
.XXX ±.005 ANGLES ±1°
.XX ±.010 FILLETS .010
.X ±.020 CORNERS .010
Remove All Burrs and Sharp Edges

MATERIAL				TITLE	NCM02-10-008-2JBA Moving Magnet Non-Commutated DC Linear Actuator		
FINISH							
DRAWN	DATE	APPROVED	DATE	DWG #	REV	SHEET	
JRM	10-24-08	MPW	10-24-08	30-0924	H	1 of 2	

MOVING MAGNET NON-COMM ACTUATOR SPECIFICATIONS		
Motor P/N	NCM02-10-008-2JBA	
Stroke	0.23"	5.84 mm
Radial Clearance	N/A in	N/A mm
Bearing Type	Jeweled Bushings	
Moving Mass	0.05 lbs	24 grams
Total Mass	0.15 lbs	69 grams
Resistance @ 20C*	3.2 ohms	
Inductance @ 20C*	0.6 mH	
Electrical Time Constant **	0.18 msec	
Motor Constant ***	0.48 LBS/SQRT(Watt)	2.13 N/SQRT(Watt)
Force Constant ***	0.86 LBS/Amp	3.8 N/Amp
Back EMF	0.10 V/ips	3.8 V/m/sec
Continuous Force	0.8 LBS	3.7 N
Max Power @ 100% Duty	4 Watts	
Peak Force	2.4 LBS	11.2 N
Max Power @ 10% Duty	36 Watts	

* The tolerance for the electrical data is +/- 10%

** The value for electrical time constant is calculated based on the measured values for both Resistance and Inductance.

*** The tolerance for Motor Constant and Force Constant is +/- 10% (as measured at midstroke).

TITLE	NCM02-10-008-2JBA Moving Magnet Non-Commutated DC Linear Actuator		
DWG #	30-0924	REV H	SHEET 2 of 2