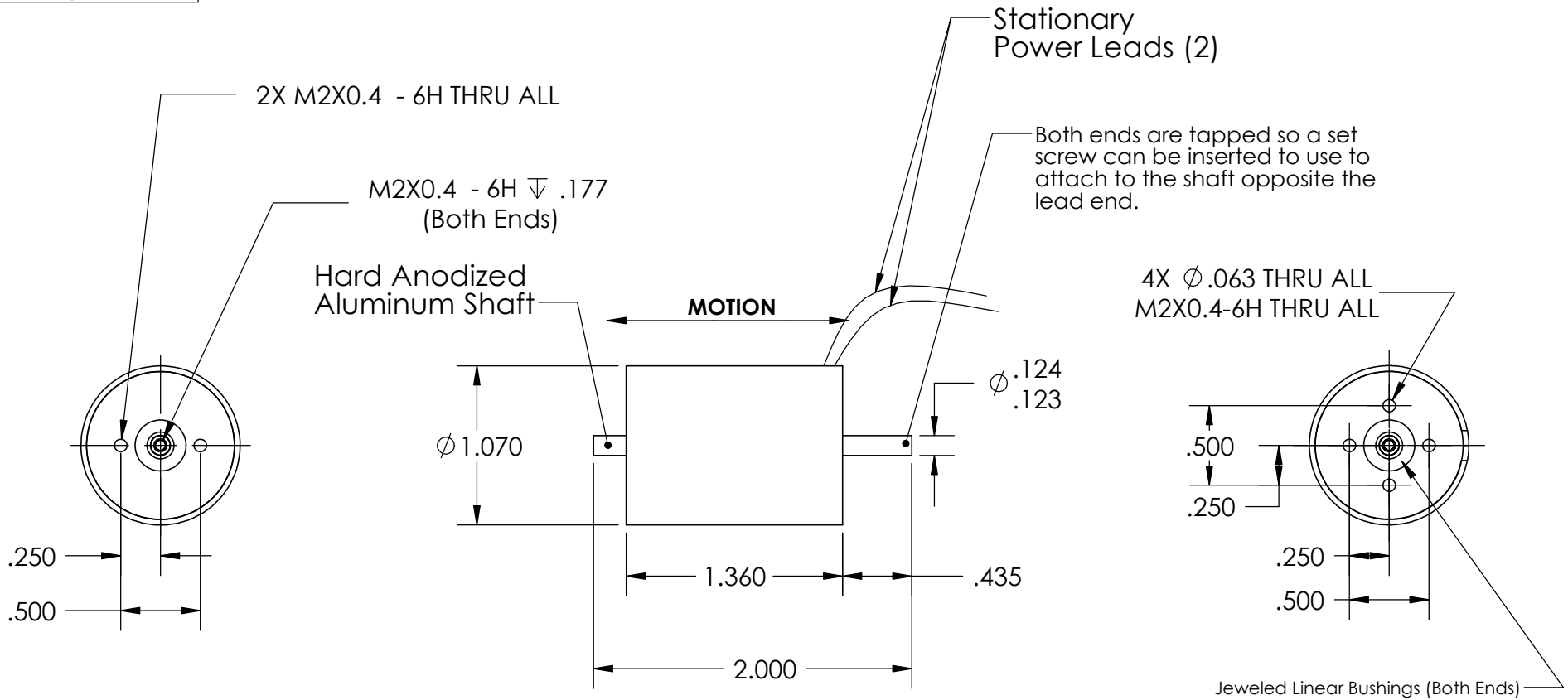
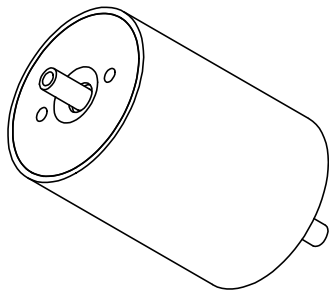


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**The actuator shaft is shown fully retracted.**



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			
FINISH			
DRAWN	DATE	APPROVED	DATE
JRM	10-24-08	MPW	10-24-08

TITLE			
<b>NCM02-10-012-2JB</b> <b>Moving Magnet Non-Commutated</b> <b>DC Linear Actuator</b>			
DWG #	REV	SHEET	
<b>30-0869</b>	<b>A</b>	1 of 2	

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 28310-C Ave Crocker Valencia, CA 91355 USA  
 Tel: (661)-702-9346 Fax: (661)-702-9348  
 www.h2wtech.com

<b>MOVING MAGNET NON-COMM ACTUATOR SPECIFICATIONS</b>		
Motor P/N	NCM02-10-012-2JB	
Stroke	0.20"	5.1 mm
Radial Clearance	N/A in	N/A mm
Bearing Type	Jeweled Bushings	
Moving Mass	0.05 lbs	24 grams
Total Mass	0.18 lbs	81 grams
Resistance @ 20C	3.0 ohms	
Inductance @ 20C	0.7 mH	
Electrical Time Constant	0.23 msec	
Motor Constant	0.60 LBS/SQRT(Watt)	3.78 N/SQRT(Watt)
Force Constant	1.0 LBS/Amp	4.6 N/Amp
Back EMF	0.12 V/ips	4.6 V/m/sec
Continuous Force	1.2 LBS	5.3 N
Max Power @ 100% Duty	4 Watts	
Peak Force	3.6 LBS	16.0 N
Max Power @ 10% Duty	36 Watts	

TITLE	<b>NCM02-10-012-2JB</b> Moving Magnet Non-Commutated DC Linear Actuator		
DWG #	<b>30-0869</b>	REV	<b>A</b>
		SHEET	2 of 2