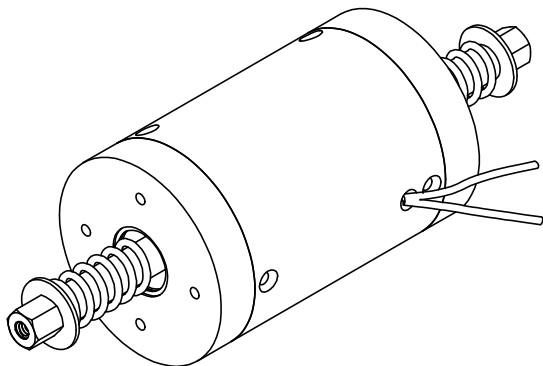
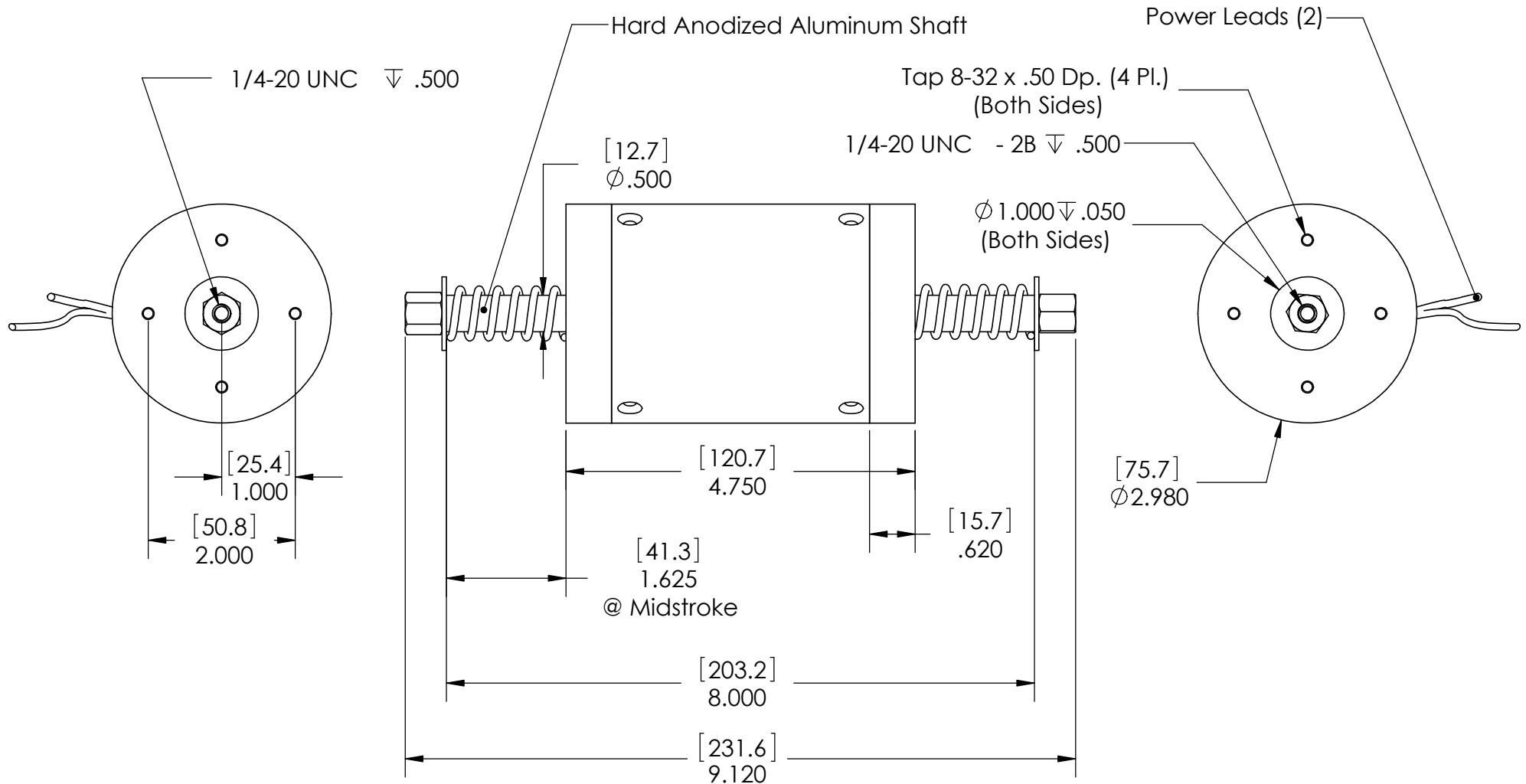


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UNLESS SPECIFIED OTHERWISE:  
 All dimensions are in inches  
 Standard Tolerances are as follows  
 .XXX ±.005 ANGLES ±1°  
 .XX ±.010 FILLETS AND  
 X ±.020 CORNERS .010  
 Remove All Burrs and Sharp Edges

<b>RELEASED FOR MFG.</b>				<b>H2W Technologies, Inc.</b> 28310-C Ave Crocker Valencia, CA 91355 USA Tel: (661)-702-9346 Fax: (661)-702-9348 www.h2wtech.com		
DATE	10-08-08					
BY	<i>Crusade</i>			Moving Magnet Non-Comm Actuator Model #NCM05-28-180-2PBS		
MATERIAL				DWG #	30-1058	
FINISH				REV	---	
DRAWN	DATE	APPROVED	DATE	ECN		
JRM	10-08-08	MPW	10-08-08			

<b>MOVING MAGNET NON-COMM ACTUATOR SPECIFICATIONS</b>		
Motor P/N	NCM05-28-180-2PBS	
Stroke	0.50"	12.7 mm
Radial Clearance	N/A in	N/A mm
Bearing Type	Linear Bushings	
Moving Mass	1.56 lbs	706 grams
Total Mass	5.38 lbs	2442 grams
Resistance @ 20C	10.2 ohms	
Inductance @ 20C	5.1 mH	
Electrical Time Constant	0.50 msec	
Motor Constant	2.71 LBS/SQRT(Watt)	12.1 N/SQRT(Watt)
Force Constant	8.7 LBS/Amp	38.6 N/Amp
Back EMF	1.0 V/ips	38.6 V/m/sec
Continuous Force	18 LBS	80 N
Max Power @ 100% Duty	44 Watts	
Peak Force	54 LBS	240 N
Max Power @ 10% Duty	397 Watts	