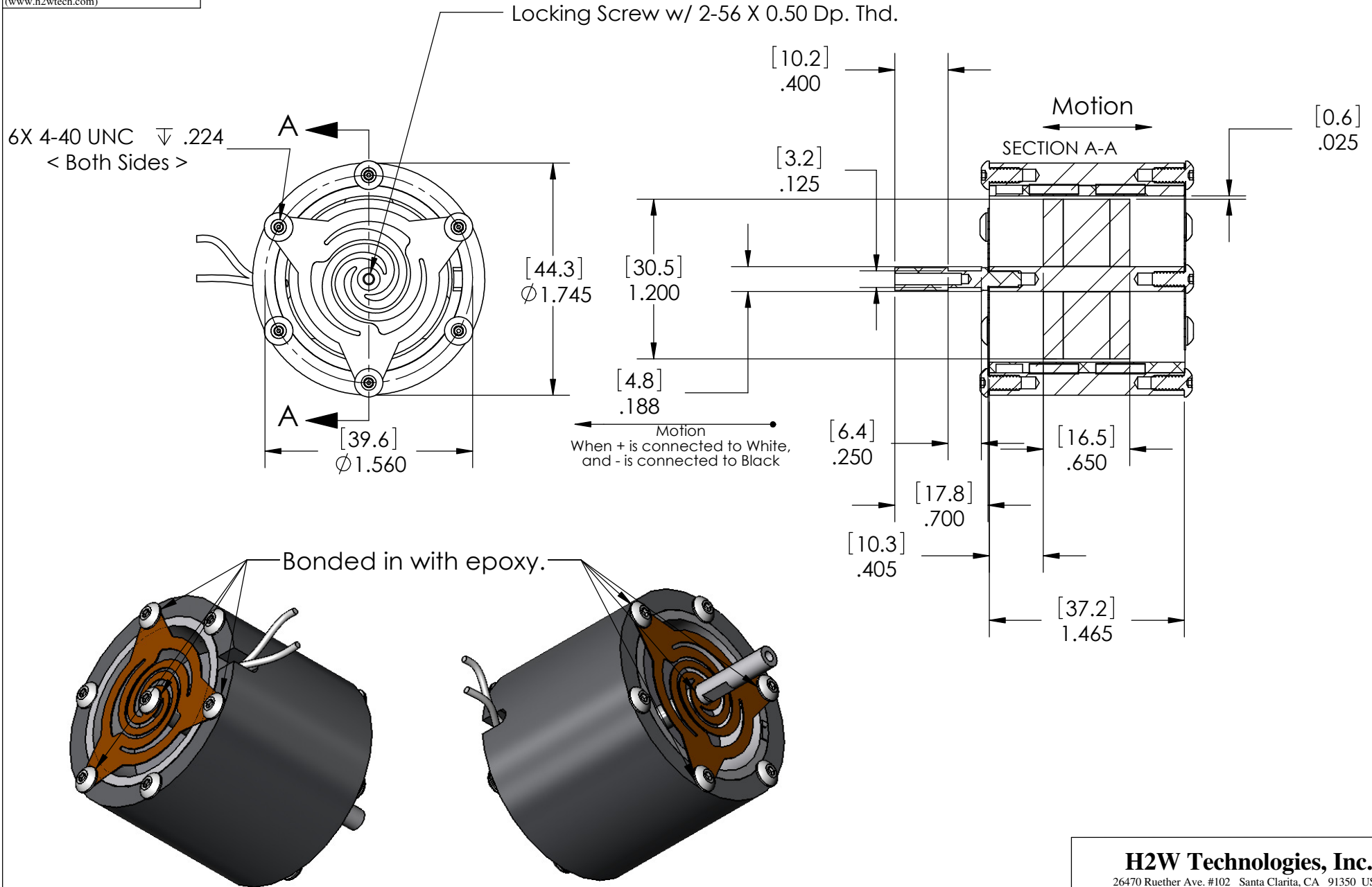


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## H2W Technologies, Inc.

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**TITLE**  
Moving Magnet Non-Comm DC Linear Actuator  
Model# NCM02-17-035-2F

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

**MATERIAL**

**FINISH**

DRAWN	DATE	APPROVED	DATE
JRM	1-15-07	MPW	1-15-07

DWG #	REV	SHEET
30-0543	G	1 of 2

<b>MOVING MAGNET NON-COMM ACTUATOR SPECIFICATIONS</b>		
Motor P/N	NCM02-17-035-2F	
Stroke	0.22"	5.6 mm
Radial Clearance	N/A in	N/A mm
Bearing Type	Flexure - No Bearings	
Moving Mass	0.25 lbs	115 grams
Total Mass	0.66 lbs	300 grams
Resistance @ 20C	22 ohms	
Inductance @ 20C	4.35 mH	
Electrical Time Constant	0.20 msec	
Motor Constant	1.08 LBS/SQRT(Watt)	4.81 N/SQRT(Watt)
Force Constant	5.05 LBS/Amp	22.5 N/Amp
Back EMF	0.60 V/ips	22.5 V/m/sec
Continuous Force	3.5 LBS	15.6 N
Max Power @ 100% Duty	11 Watts	
Peak Force	10.5 LBS	46.7 N
Max Power @ 10% Duty	95 Watts	