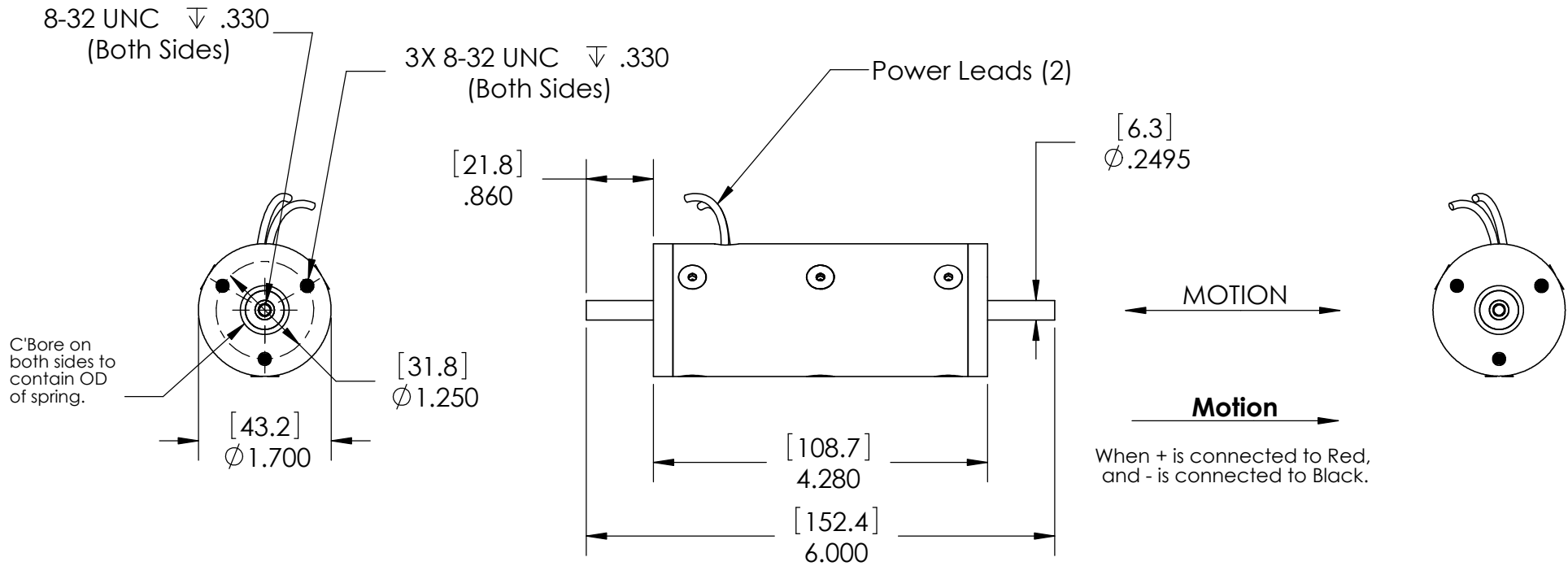
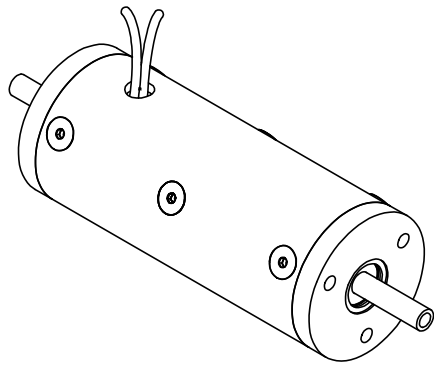


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Note: Actuator is shown at midstroke.



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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**  
JRM

**DATE**  
11-16-10

**APPROVED**  
MPW

**DATE**  
11-16-10

**TITLE**

**Moving Magnet Non-Comm DC Linear Actuator  
Model # NCM08-17-050-2LB**

**DWG #**

**30-0897**

**REV**

**A**

**SHEET**

1 of 2

<b>MOVING MAGNET NON-COMM ACTUATOR SPECIFICATIONS</b>		
Motor P/N	NCM08-17-050-2LB	
Stroke	0.75"	19.1 mm
Radial Clearance	N/A in	N/A mm
Bearing Type	Linear Bushings	
Moving Mass	0.37 lbs	166 grams
Total Mass	1.54 lbs	700 grams
Resistance @ 20C	6.4 ohms	
Inductance @ 20C	2.9 mH	
Electrical Time Constant	0.46 msec	
Motor Constant	1.11 LBS/SQRT(Watt)	4.93 N/SQRT(Watt)
Force Constant	2.79 LBS/Amp	12.4 N/Amp
Back EMF	0.31 V/ips	12.4 V/m/sec
Continuous Force	5.0 LBS	22.3 N
Max Power @ 100% Duty	20 Watts	
Peak Force	15.0 LBS	66.8 N
Max Power @ 10% Duty	183 Watts	