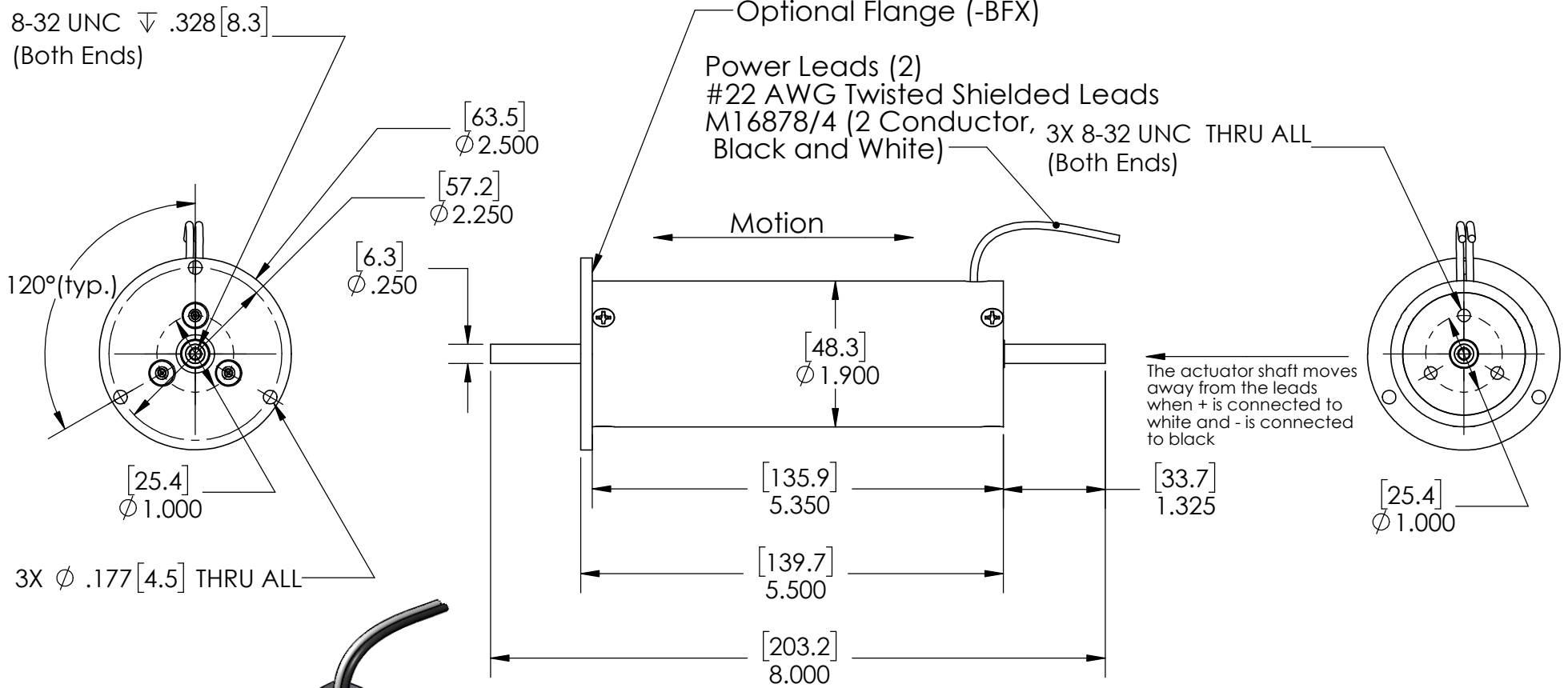
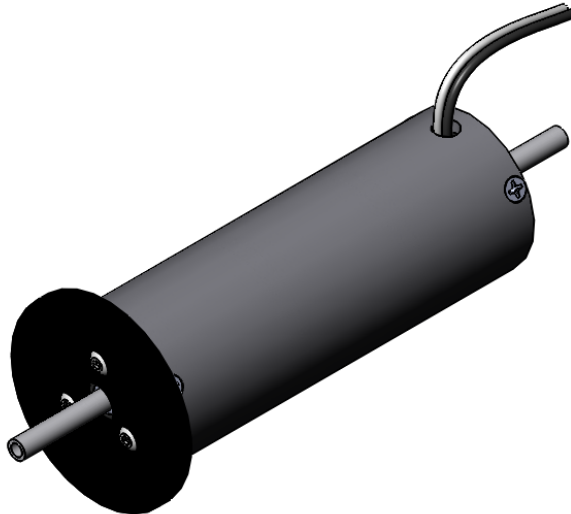


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REVISION TABLE					
REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE
---	---	Original Drawing	JRM	MPW	06-26-13



**Actuator shown at midstroke.**



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**Model #NCM20-19-050-2BX**

DRAWN		DATE		APPROVED		DATE		DWG #	REV	SHEET
JRM		6-26-13		MPW		6-26-13		<b>30-1125</b>	---	1 of 2

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 Burs and Sharp Edges				MATERIAL				TITLE			
				FINISH				Moving Magnet Non-Comm DC Linear Actuator			
								Model #NCM20-19-050-2BX			

<b>MOVING MAGNET NON-COMM ACTUATOR SPECIFICATIONS</b>		
Motor P/N	NCM20-19-050-2BX	
Stroke	2.00"	50.8 mm
Radial Clearance	N/A in	N/A mm
Bearing Type	Nylon Bushings	
Moving Mass	0.67 lbs	305 grams
Total Mass	2.71 lbs	1230 grams
Resistance @ 20C	2.85 ohms	
Inductance @ 20C	1.7 mH	
Electrical Time Constant	0.61 msec	
Motor Constant	1.30 LBS/SQRT(Watt)	5.8 N/SQRT(Watt)
Force Constant	2.0 LBS/Amp	8.9 N/Amp
Back EMF	0.22 V/ips	8.9 V/m/sec
Continuous Force	8.0 LBS	36 N
Max Power @ 100% Duty	48 Watts	
Peak Force	24 LBS	107 N
Max Power @ 10% Duty	343 Watts	

**Note:** The values in the table above are based on models and calculated values, the actual values will be determined at the time of testing, which will be prior to shipment.