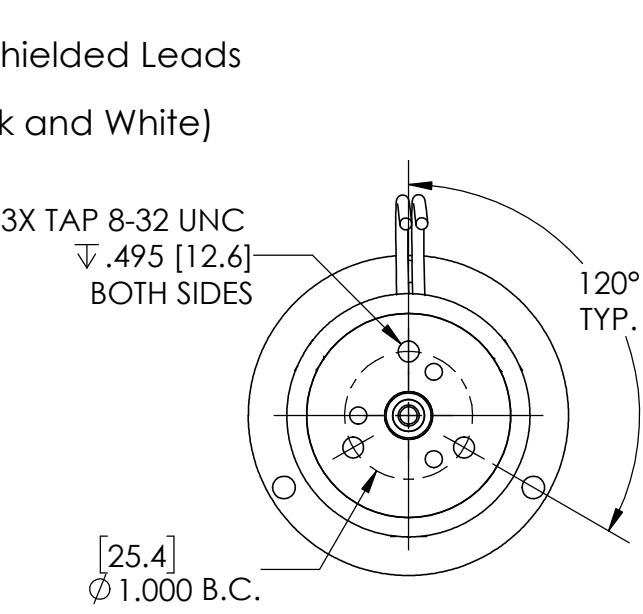
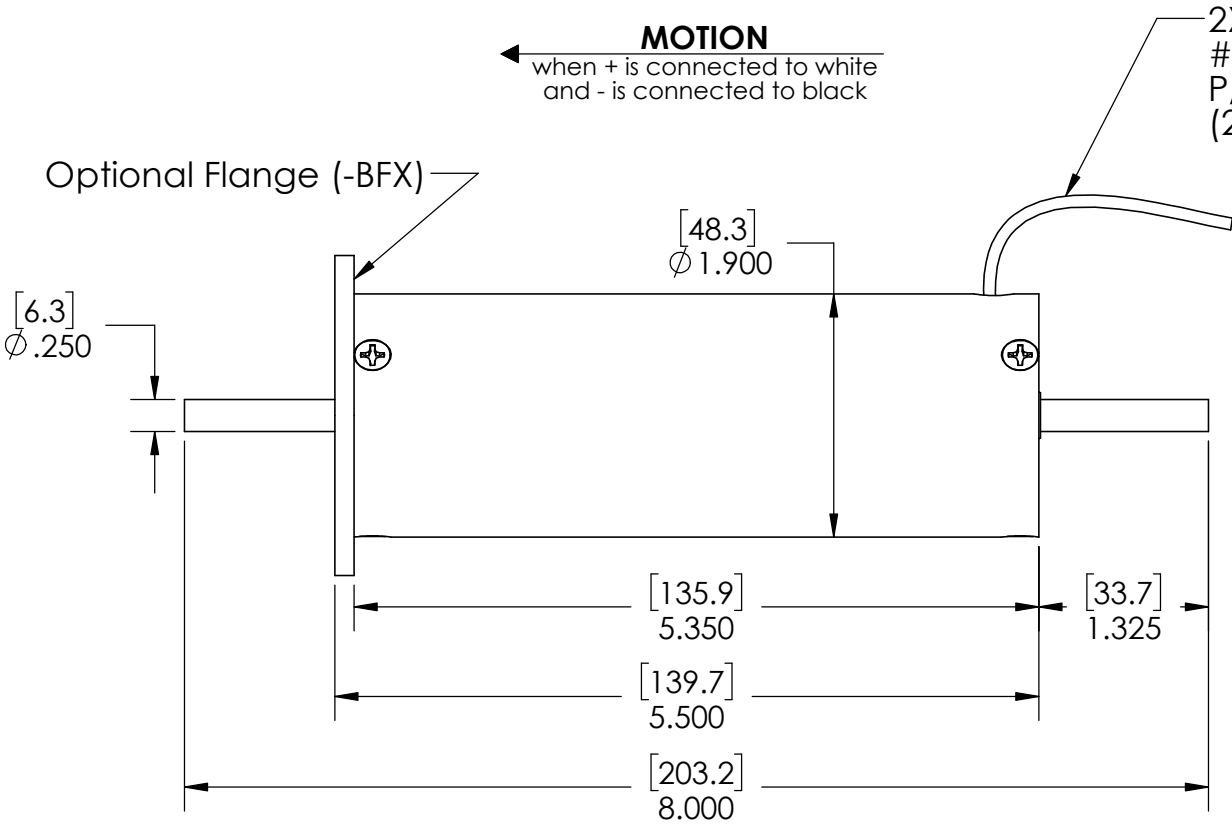
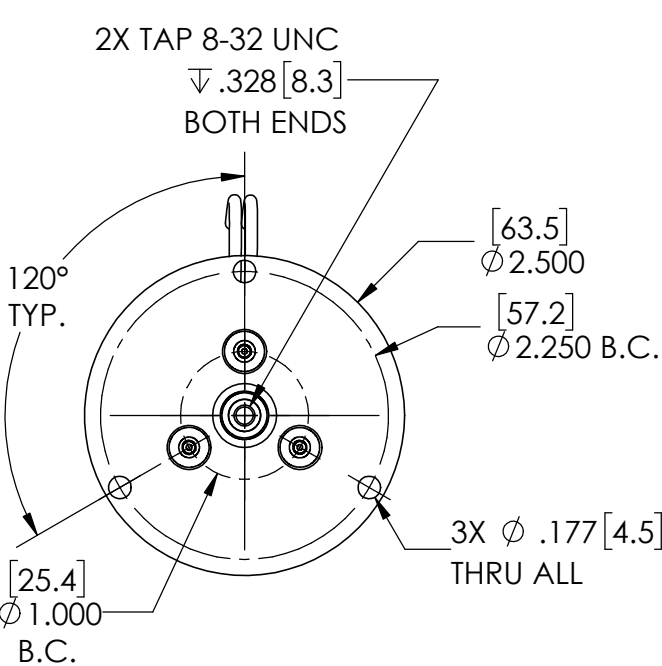


ACTUATOR SHOWN AT MIDSTROKE

REVISION TABLE					
REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE
---	---	Original Drawing	JRM	MPW	6-26-13



1

2

3

4

5

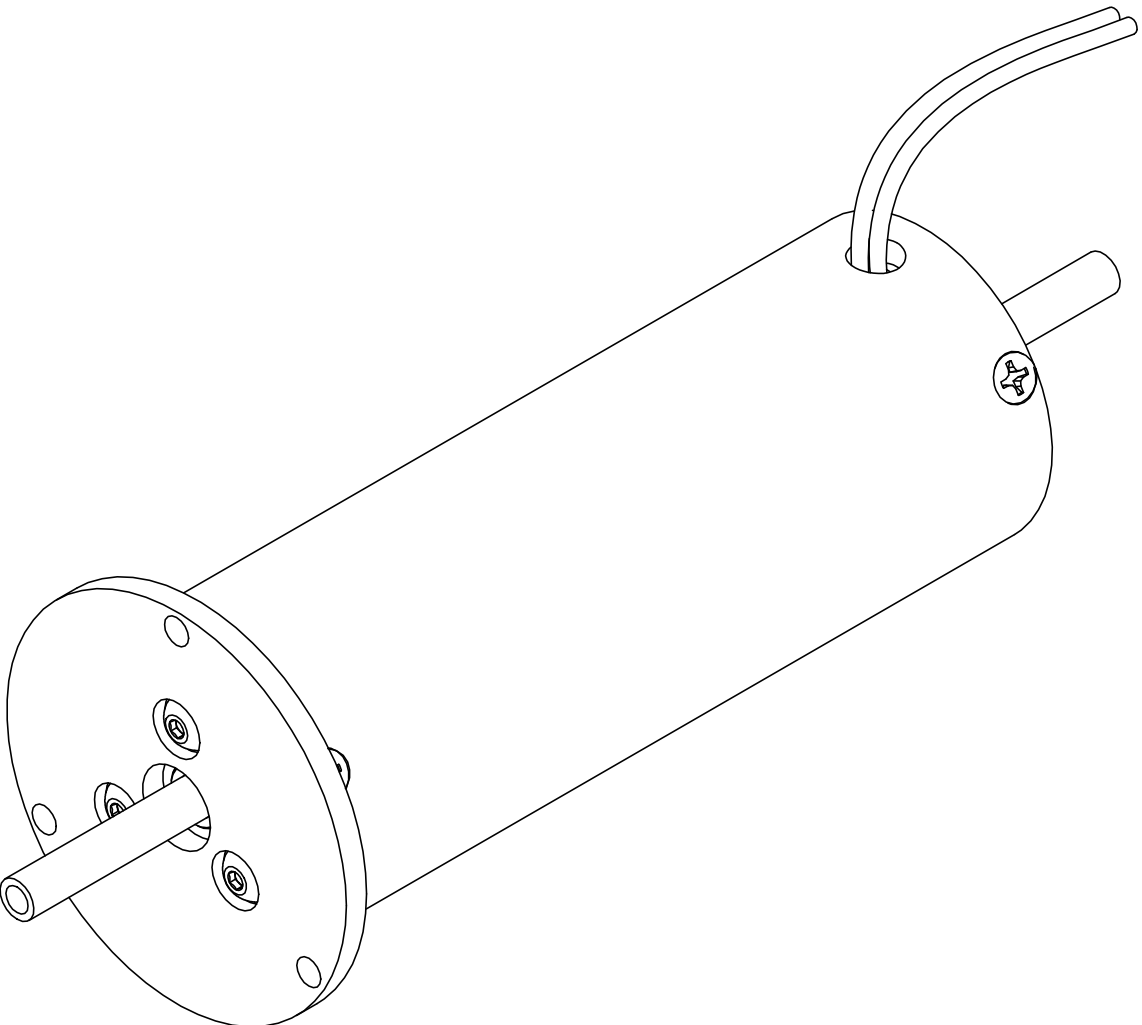
A


B

C

D

MOVING MAGNET NON-COMM ACTUATOR SPECIFICATIONS		
Motor P/N	NCM20-19-050-2BX	
Stroke	2.00 in	50.8 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	





H2W Technologies, Inc.

Santa Clarita, CA 91350 USA
Tel: (661) 291-1620
www.h2wtech.com

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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

FOR
REFERENCE
ONLY

MATERIAL

FINISH

TITLE

Voice Coil Actuator Model #:
NCM20-19-050-2BX

DWG #

30-1125

REV

DATE

6-26-13

SHEET

2 of 2