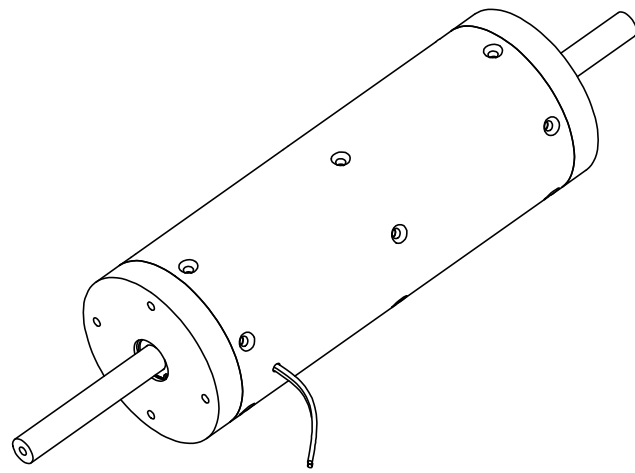
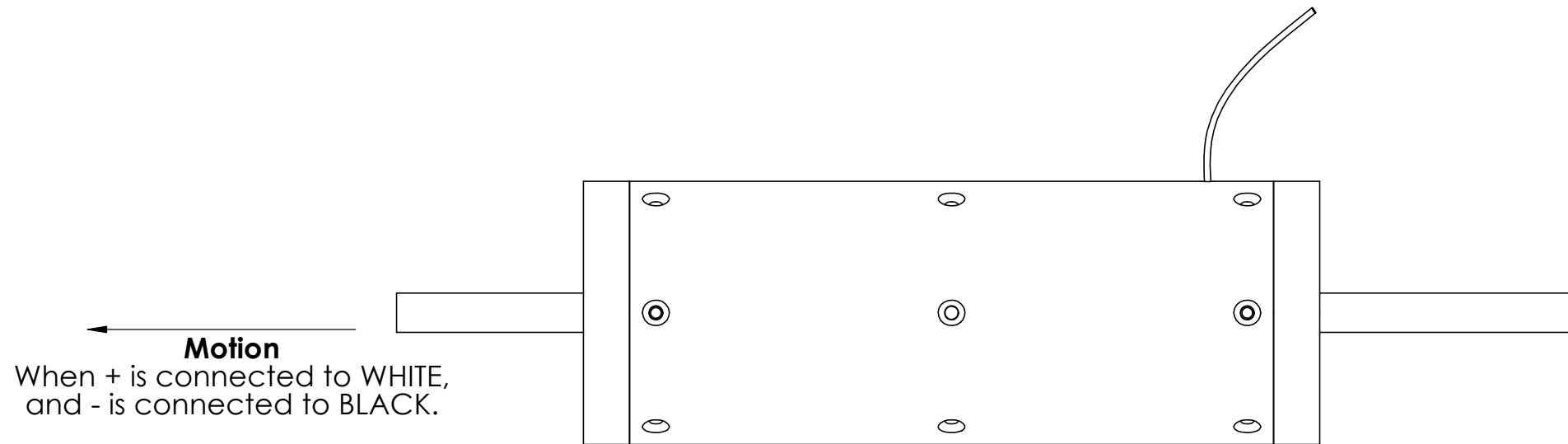
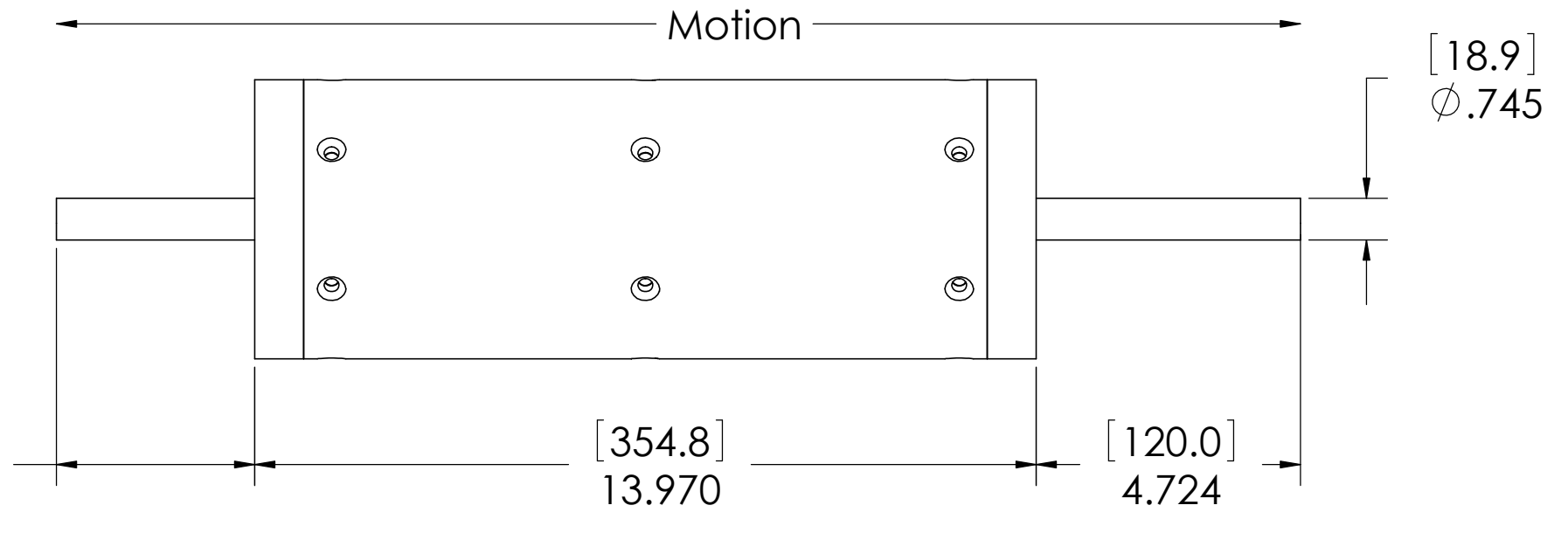
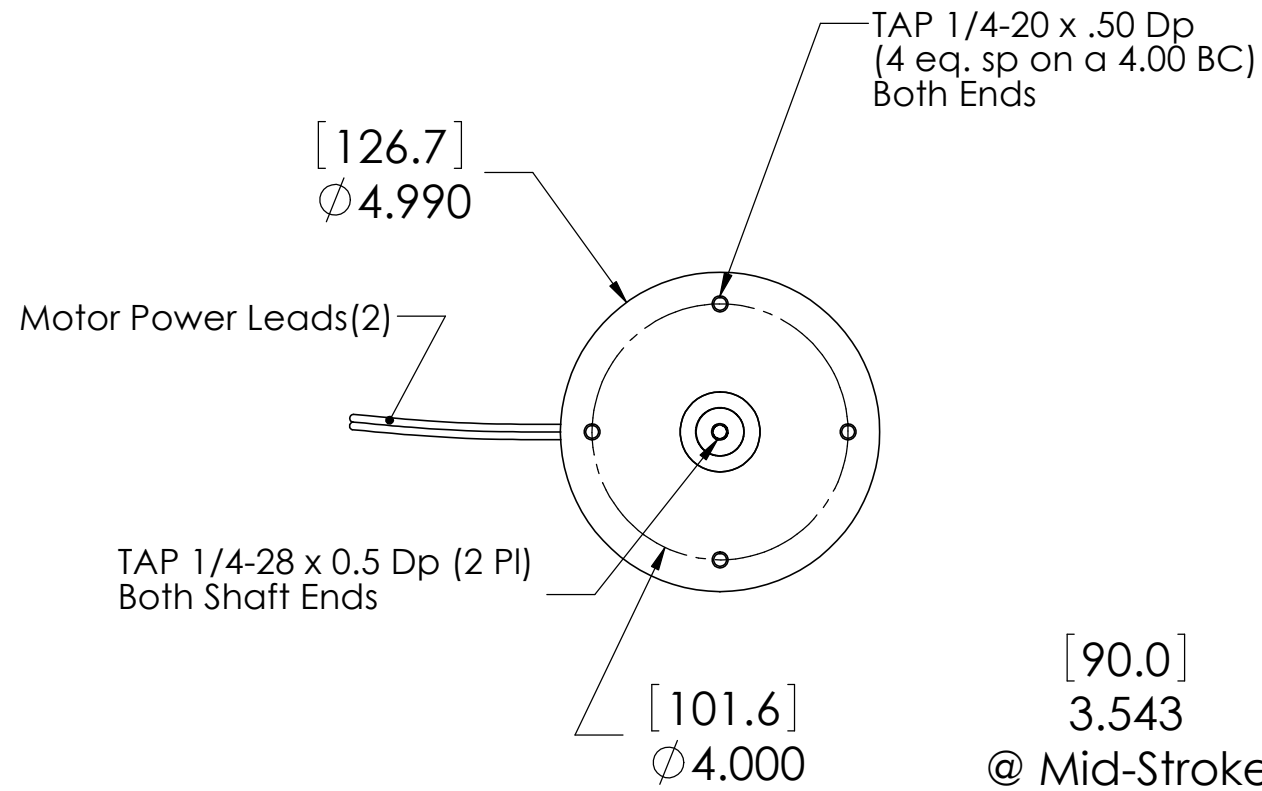


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**Specs:**  
 Stroke = 4.0 in  
 Force (Cont) = 68 lbs (300 N) @ 100% Duty  
 Force (Peak) = 204 lbs (900 N) @ 10% Duty  
 Moving Mass = 14.5 pounds

**H2W Technologies, Inc.**

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TITLE  
**Moving Magnet Non-Comm Linear Actuator  
 Model# NCM40-50-680-2LB**

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				MATERIAL			
FINISH				DATE			
DRAWN	DATE	APPROVED	DATE	DRAWN	DATE	APPROVED	DATE
OOG	4-3-08	MPW	4-3-08	OOG	4-3-08	MPW	4-3-08

DWG # **30-0714** REV **C** SHEET 1 of 2

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<b>MOVING MAGNET NON-COMM ACTUATOR SPECIFICATIONS</b>		
Motor P/N	NCM40-50-680-2LB	
Stroke	4.00"	101.6 mm
Radial Clearance	N/A in	N/A mm
Bearing Type	Recirculating Ball Bushings	
Moving Mass	10.0 lbs	4.54 Kg
Total Mass	40.0 lbs	18.2 Kg
Resistance @ 20C	5.5 ohms	
Inductance @ 20C	9.6 mH	
Electrical Time Constant	1.75 msec	
Motor Constant	7.23 LBS/SQRT(Watt)	32.1 N/SQRT(Watt)
Force Constant	17.2 LBS/Amp	76.4 N/Amp
Back EMF	1.95 V/ips	76.4 V/m/sec
Continuous Force	68 LBS	303 N
Max Power @ 100% Duty	88 Watts	
Peak Force	204 LBS	908 N
Max Power @ 10% Duty	800 Watts	

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UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS IN INCHES .XXX ANGLES ±1° .XX ±.010 FILLETS AND X ±.020 CORNERS .010 REMOVE ALL BURRS, SHARP EDGES		MATERIAL		TITLE Moving Magnet Non-Comm Linear Actuator Model# NCM40-50-680-2LB	
FINISH		DRAWN OOG	DATE 4-3-08	APPROVED MPW	DATE 4-3-08
DWG #	REV	SHEET			
30-0714	C	2 of 2			