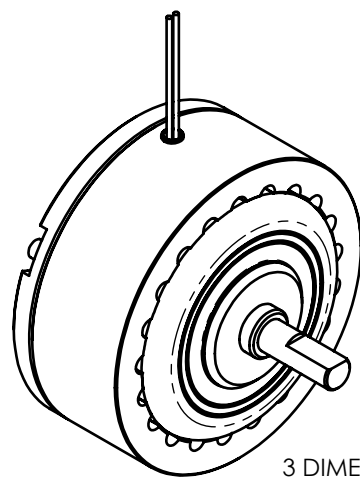
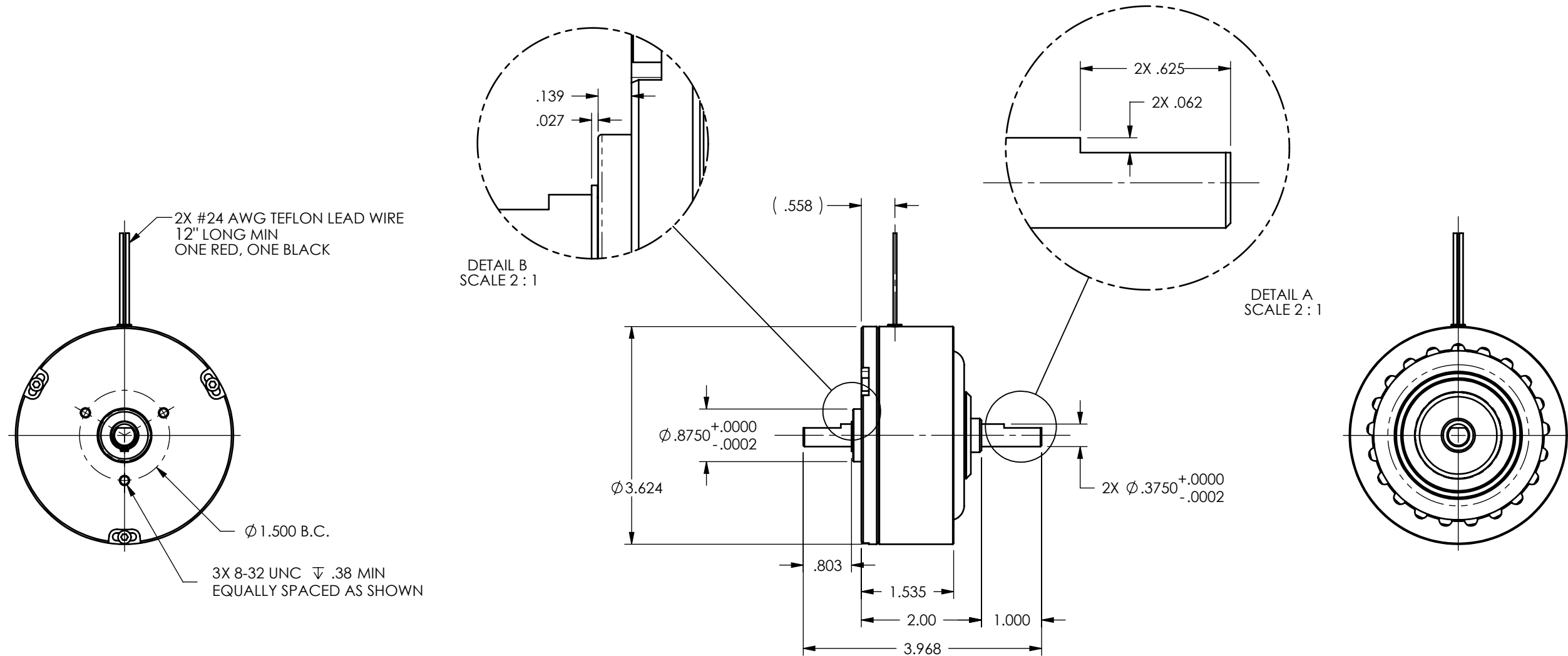



SOLID MODEL AVAILABLE

MODEL	COIL NUMBER (-X)	STOCK CODE	MIN. TORQUE AT RATED CURRENT (oz in)	RATED CURRENT (mA)	RESISTANCE ±10% @ 25°C (ohms)	VOLTAGE (Vdc)	NOMINAL POWER (watts)	MAXIMUM SPEED (RPM)	KINETIC POWER RATINGS		DE-ENERGIZED DRAG TORQUE @ 1000 RPM (oz in)	EXTERNAL INERTIA (lb in ²)	TORQUE TO INERTIA RATIO (rad/s ²)
									5 MINUTE (watts)	CONTINUOUS (watts)			
HB-140-X	-1 (90 Vdc)	003961	140	60	1537	93	5.6	12,000	300	75	0.70	9.1 X 10 ⁻⁴	9,620
	-2 (24 Vdc)	003962		253	95	24	6.1						
	-3 (12 Vdc)	003963		504	23.2	11.7	5.9						



3 DIMENSIONAL VIEW
SCALE 1 : 2

INSTALLATION DRAWING

MATERIAL:	DESIGN	-	-	 MAGTROL INC. 70 GARDENVILLE PKWY, W. BUFFALO, NEW YORK 14224-1322	
FINISH:	DRAWN	JEF	06/10/04		
THIRD ANGLE PROJECTION	CHECKED	AJC	06/10/04	TITLE:	
THIS DRAWING AND SPECIFICATION CONTAINS PROPRIETARY INFORMATION TO MAGTROL INC. ANY DISCLOSURE OR REPRODUCTION OF THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION FROM MAGTROL INC. IS EXPRESSLY PROHIBITED	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES DIAMETERS CONCENTRIC: .003 TIR FACES PERPENDICULAR: .003 INTERPRETATION PER ASME Y14.5M-1994 REMOVE ALL BURRS AND BREAK SHARP EDGES .005/.010 X 45° INSIDE CORNERS TO BE R .02 MAX TOLERANCES: .XX ± .01 X/Y ± 1/64" .XXX ± .005 ANG ± 1° SURFACE FINISH 125 RMS MAX			TITLE:	
				HB-140 HYSTERESIS BRAKE USED ON: - SIMILAR TO: - DWG NO:	REV
			HB-140	A	
		SIZE	SCALE		
		B	1:2		