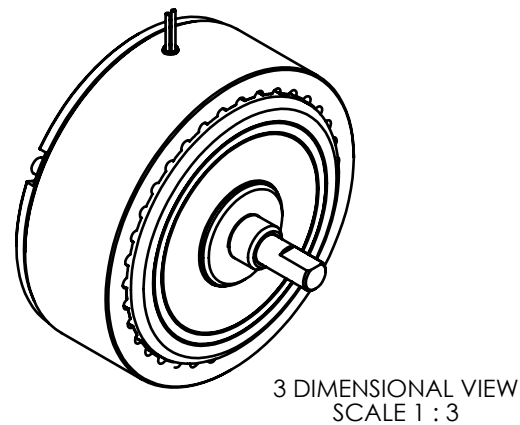
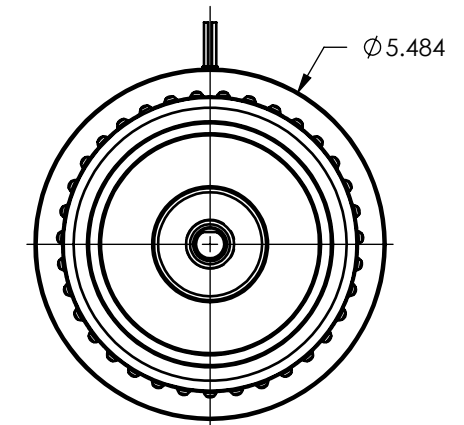
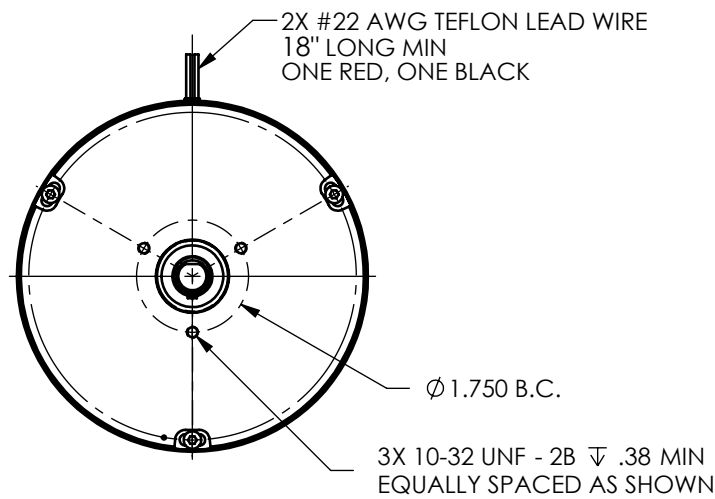
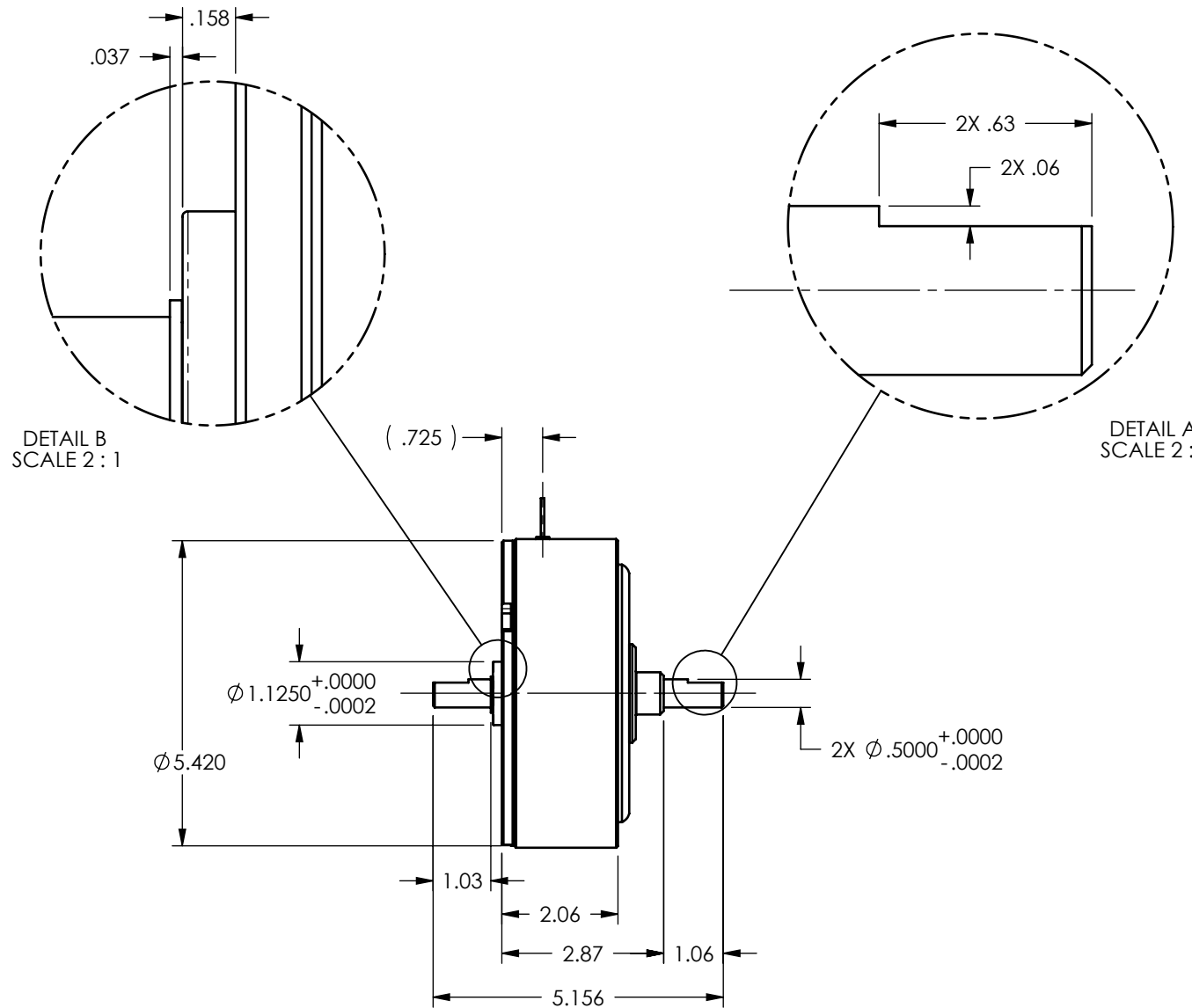

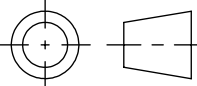


SOLID MODEL AVAILABLE

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 s ²)	TORQUE TO INERTIA RATIO (rad/s ²)
									5 MINUTE (watts)	CONTINUOUS (watts)			
HB-450-X	-1 (90 Vdc)	004661	450	116	805	93.6	10.9	8,000	670	160	2	6.55 X 10 ⁻³	4,290
	-2 (24 Vdc)	004662		442	50	22.1	9.8						
	-3 (12 Vdc)	004663		703	19.5	13.7	9.6						



INSTALLATION DRAWING

MATERIAL: -	DESIGN	-	-	 MAGTROL INC. 70 GARDENVILLE PKWY, W. BUFFALO, NEW YORK 14224-1322
	DRAWN	AJC	05/01/02	
FINISH: -	CHECKED	DTW	05/01/02	TITLE: HB-450 HYSTERESIS BRAKE
	THIRD ANGLE PROJECTION 			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
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				USED ON: - SIMILAR TO: - DWG NO: HB-450 SCALE: 1:3
				REV: A