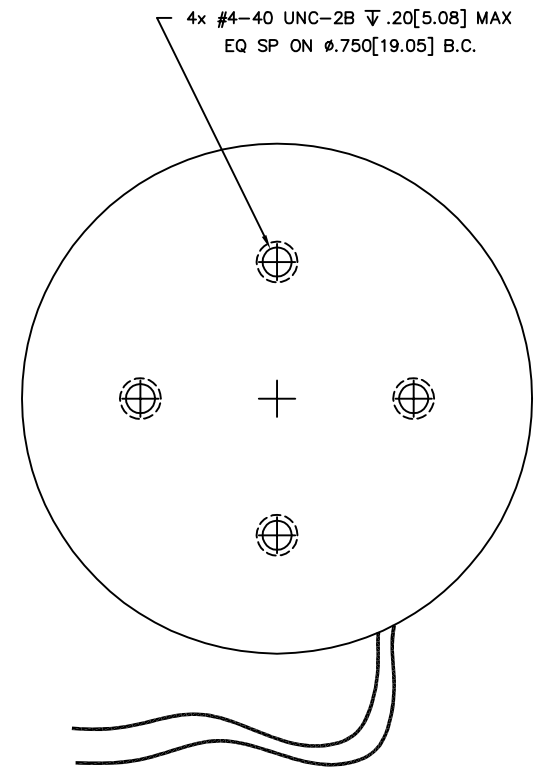
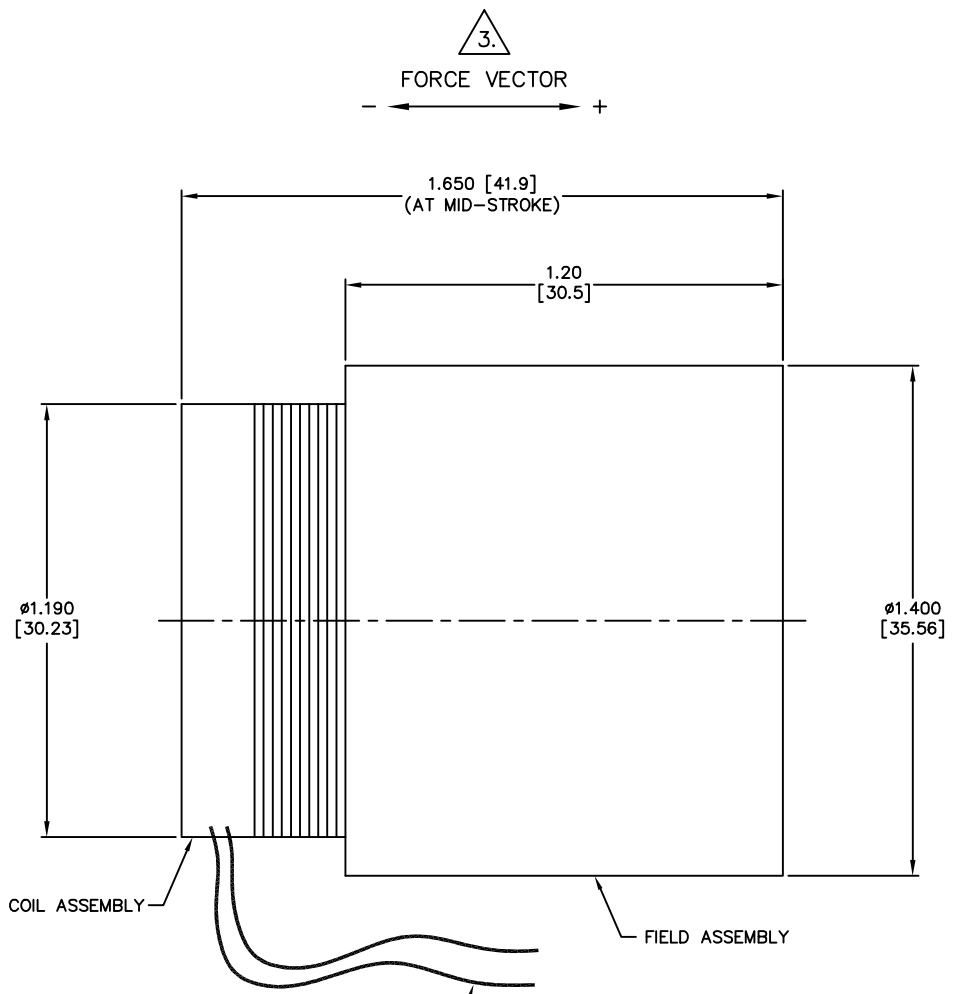
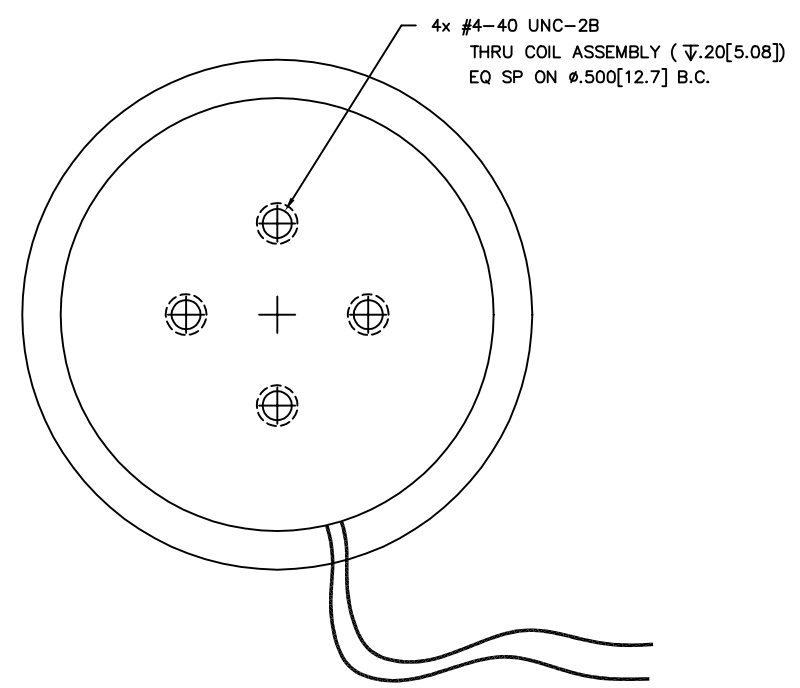


WINDING CONSTANTS	UNITS	TOL	SYMBOL	WDG A
DC RESISTANCE	OHMS	±12.5%	R	6.5
VOLTAGE \odot F _P	VOLTS	NOMINAL	V _P	26.0
CURRENT \odot F _P	AMPERES	NOMINAL	I _P	4.0
FORCE SENSITIVITY	LB/AMP	±10%	K _F	1.25
	N/AMP	±10%		5.56
BACK EMF CONSTANT	V/FT/SEC	±10%	K _B	1.70
	V/M/SEC	±10%		5.58
INDUCTANCE	MILLI-HENRY	±30%	L	1.07

ACTUATOR PARAMETERS	UNITS	SYMBOL	VALUE
PEAK FORCE *	LB	F _P	5.0
	N		22.2
CONTINUOUS STALL FORCE **	LB	F _{CS}	1.6
	N		7.1
ACTUATOR CONSTANT	LB/√WATT	K _A	0.49
	N/√WATT		2.18
ELECTRICAL TIME CONSTANT	MILLI-SEC	τ _E	165
MECHANICAL TIME CONSTANT	MILLI-SEC	τ _M	4.3
POWER I ² R \odot F _P	WATTS	P _P	104
STROKE	± INCHES		0.200
	± MM		5.08
CLEARANCE ON EACH SIDE OF COIL	IN		0.033
	MM		0.84
THERMAL RESISTANCE OF COIL	°C/WATT	θ _{TH}	8.0
MAX. ALLOWABLE COIL TEMP.	°C	TEMP	155
WEIGHT OF COIL ASSEMBLY	OZ	WT _C	0.72
	G		20.41
WEIGHT OF FIELD ASSEMBLY	OZ	WT _F	6.4
	G		181.4

* 10 SECONDS AT 25°C AMBIENT, 155°C COIL TEMP
 ** 25°C AMBIENT & 155°C WINDING TEMPERATURE



LEAD WIRE: TEFLON TYPE E INSULATION
 #28 AWG
 12.0[305] MIN LONG
 2 PL
 (RED, BLACK)

3. A POSITIVE (+) VOLTAGE APPLIED TO THE RED LEAD WILL PRODUCE A FORCE ON THE COIL ASSEMBLY IN THE POSITIVE (+) DIRECTION.
 2. DIMENSION IN BRACKETS ARE MILLIMETERS [MM] AND ARE FOR REFERENCE ONLY.
 1. INTERPRET DIMENSIONS & TOLERANCES PER ANSI Y14.5M-1982.
- NOTES: UNLESS OTHERWISE SPECIFIED

THIRD ANGLE PROJECTION	UNLESS OTHERWISE SPECIFIED: -ALL DIMENSIONS ARE IN INCHES -DIMENSIONS ARE AFTER FINISH DO NOT SCALE DRAWING	BEI KIMCO MAGNETICS DIVISION SAN MARCOS, CA 92069	
<small>THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND IS THE PROPERTY OF BEI/KIMCO MAGNETICS DIVISION. IT MAY NOT BE REPRODUCED WITHOUT BEI/KIMCO MAGNETICS DIVISION WRITTEN PERMISSION OR USED FOR OTHER THAN AUTHORIZED PURPOSES.</small>	TOLERANCES: DECIMALS .X ± 0.03 .XX ± 0.01 .XXX ± 0.005	APPROVALS DRAWN N. FRENCH CHECKED	DATE 9/9/98
		APPROVED A. MORCOS	DATE 10/15/98
		SIZE D	FSCM NO. 55789
		DRAWING NO. LA14-17-000A	REV B
		SCALE 4/1	SHEET 1 OF 1