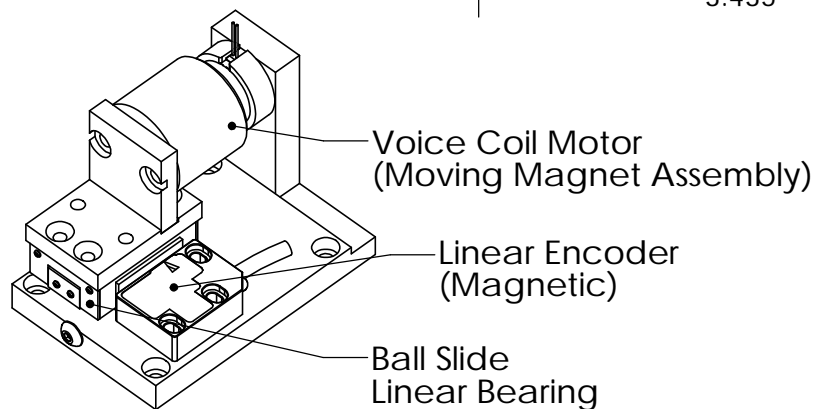
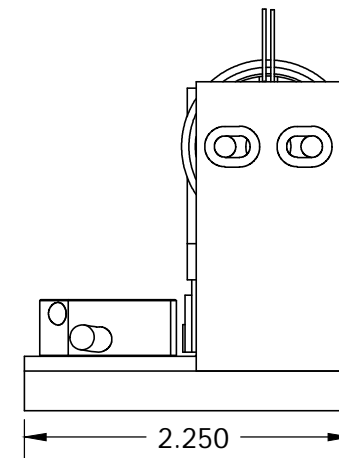
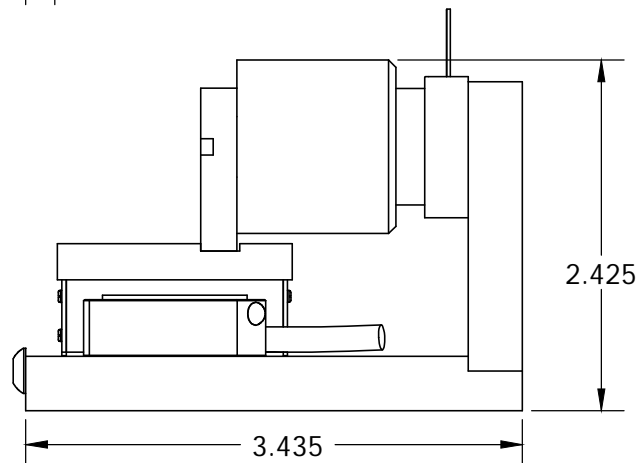
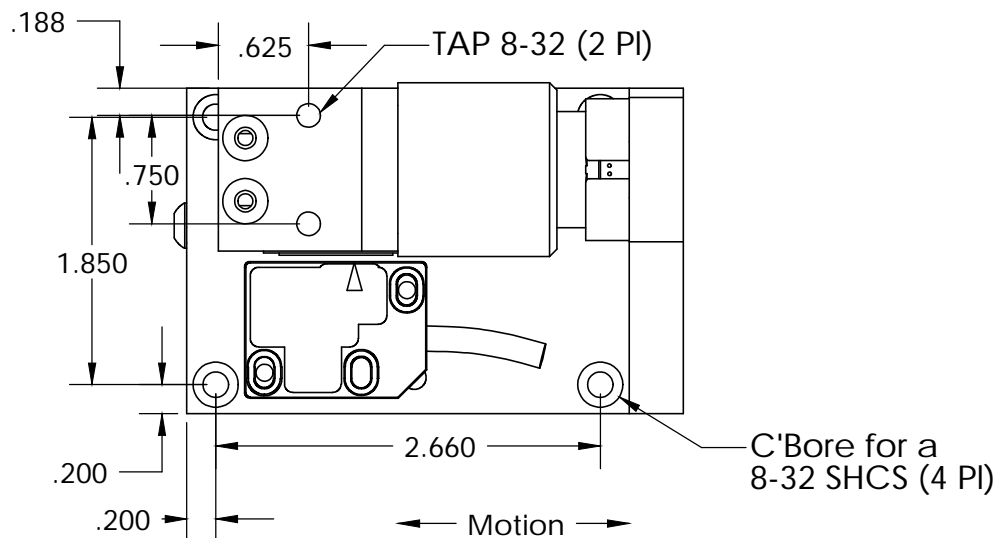


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Voice Coil Positioning Stage
Model #: VCS05-11-BS-01-M

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				MATERIAL		TITLE	
				FINISH		DRAWN	
DRAWN	DATE	APPROVED	DATE	DWG #	REV	SHEET	
OOG	7-7-08	MPW	7-7-08	31-0079	---	1 of 2	

VOICE COIL POSITIONING STAGE SPECIFICATIONS		
Motor P/N	NCC05-11-011-1X	
Stroke	0.50"	12.7 mm
Encoder Resolution	1 micron	
Bearing Type	Ball Slide	
Moving Mass	0.38 lbs	174 grams
Total Mass	0.84 lbs	379 grams
Resistance @ 20C	3.0 ohms	
Inductance @ 20C	1.0 mH	
Electrical Time Constant	0.33 msec	
Motor Constant	0.67 LBS/SQRT(Watt)	2.98 N/SQRT(Watt)
Force Constant	1.2 LBS/Amp	5.2 N/Amp
Back EMF	0.13 V/ips	5.2 V/m/sec
Continuous Force	1.1 LBS	4.9 N
Max Power @ 100% Duty	3 Watts	
Peak Force	3.3 LBS	14.7 N
Max Power @ 10% Duty	24 Watts	

TITLE	Voice Coil Positioning Stage Model #: VCS05-11-BS-01-M		
DWG #	31-0079	REV	---
		SHEET	2 of 2