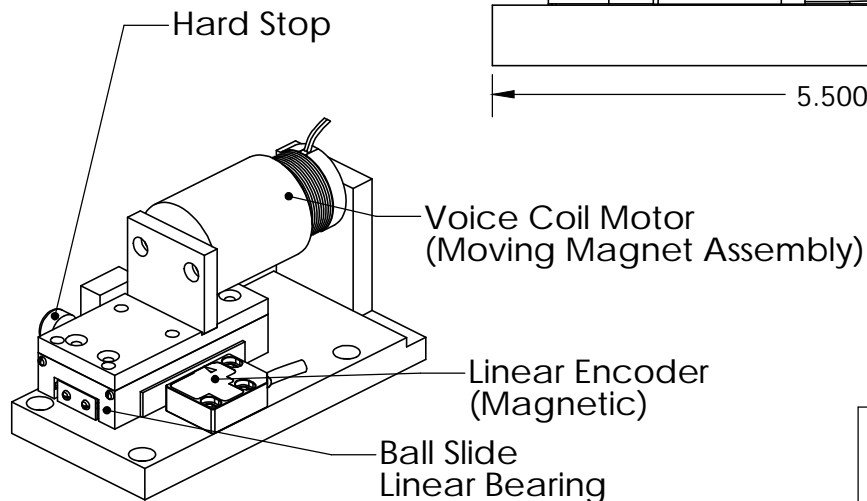
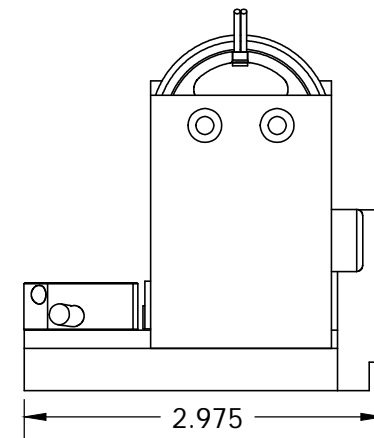
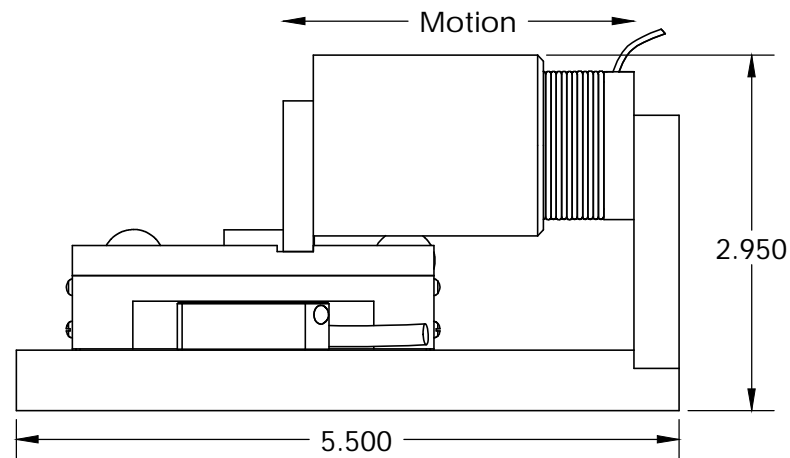
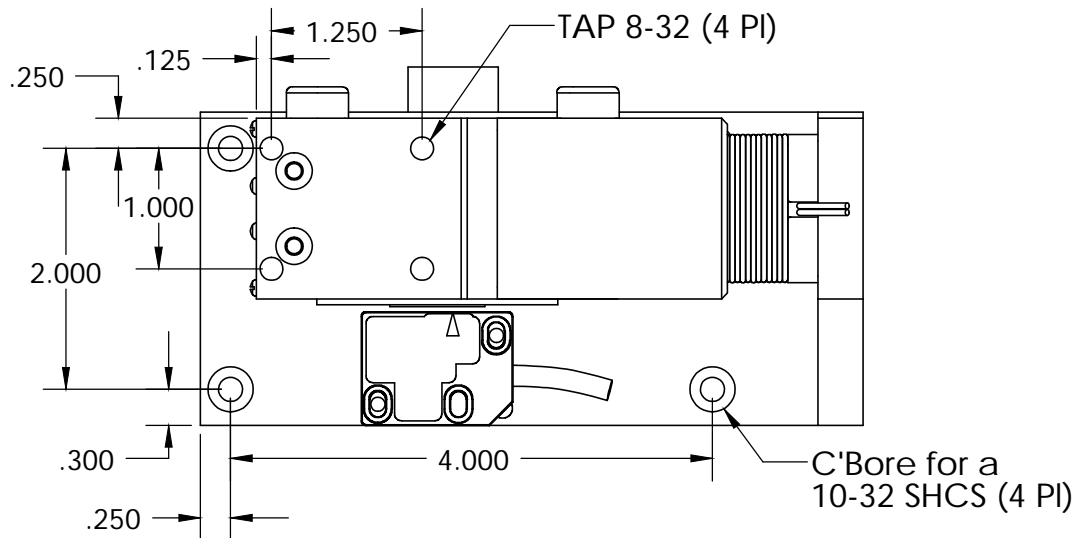


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UNLESS SPECIFIED OTHERWISE:
All dimensions are in inches
Standard Tolerances are as follows:
.XXX ±.005 ANGLES ±1°
.XX ±.010 FILLETS .010
.X ±.020 CORNERS .010
Remove All Burrs and Sharp Edges

| MATERIAL | | | |
|----------|---------|----------|---------|
| FINISH | | | |
| DRAWN | DATE | APPROVED | DATE |
| OOG | 2-17-08 | MPW | 2-17-08 |

| TITLE | | | |
|--|-----|--------|--|
| Voice Coil Positioning Stage Model #: VCS10-023-BS-01-M | | | |
| DWG # | REV | SHEET | |
| 31-0059 | --- | 1 of 2 | |

H2W Technologies, Inc.
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| VOICE COIL POSITIONING STAGE SPECIFICATIONS | | |
|---|---------------------|-------------------|
| Motor P/N | NCC10-15-023-1X | |
| Stroke | 1.00" | 25.4 mm |
| Encoder Resolution | 1 micron | |
| Bearing Type | Ball Slide | |
| Moving Mass | 0.425 lbs | 193 grams |
| Total Mass | 1.39 lbs | 631 grams |
| Resistance @ 20C | 7.5 ohms | |
| Inductance @ 20C | 3.3 mH | |
| Electrical Time Constant | 0.44 msec | |
| Motor Constant | 0.85 LBS/SQRT(Watt) | 3.78 N/SQRT(Watt) |
| Force Constant | 2.3 LBS/Amp | 10.2 N/Amp |
| Back EMF | 0.26 V/ips | 10.2 V/m/sec |
| Continuous Force | 2.3 LBS | 10.2 N |
| Max Power @ 100% Duty | 7 Watts | |
| Peak Force | 6.9 LBS | 30.7 N |
| Max Power @ 10% Duty | 66 Watts | |

| | | |
|--|------------|--------|
| TITLE Voice Coil Positioning Stage Model #: VCS10-023-BS-01-M | | |
| DWG # | REV | SHEET |
| 31-0059 | --- | 2 of 2 |