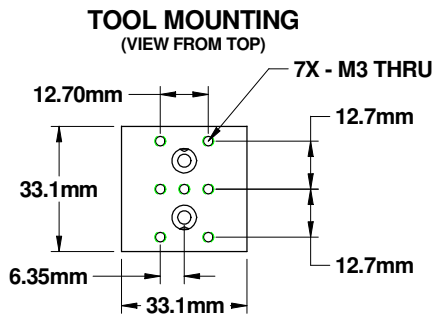
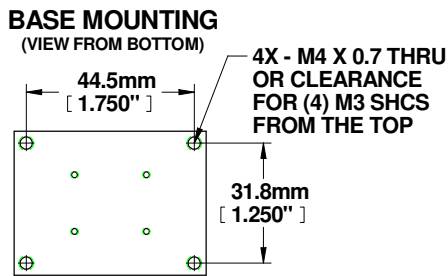
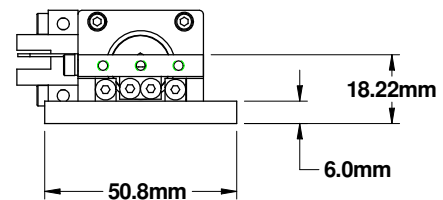
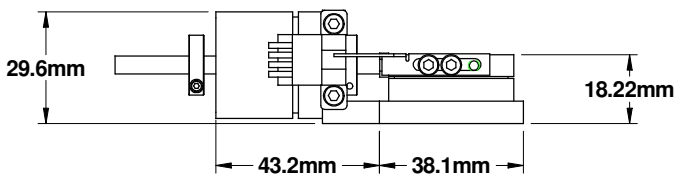
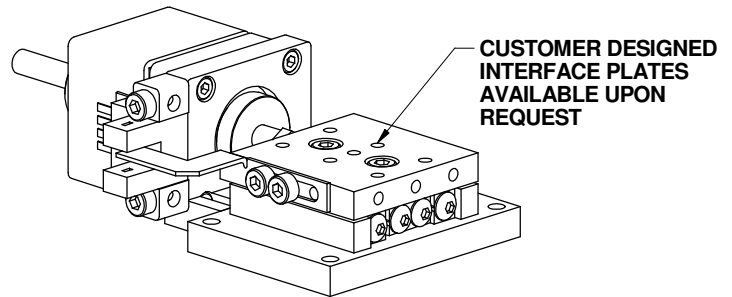
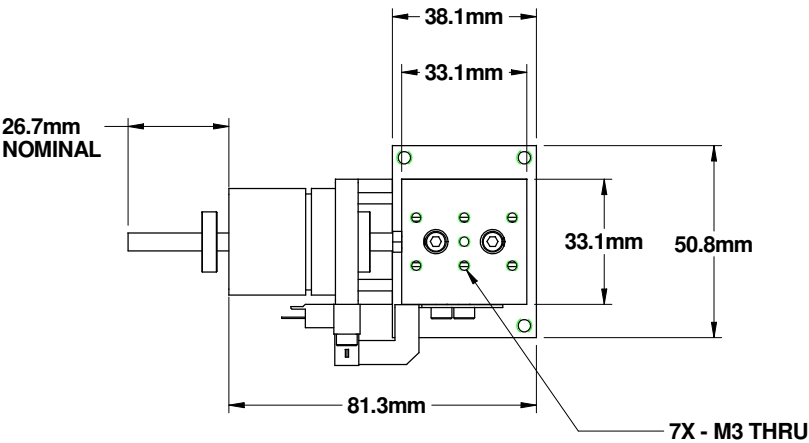


18mm X Motorized Stepper Stage

P/N: AI-18HX

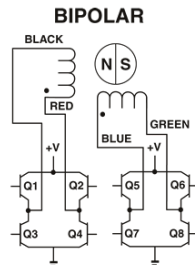


Standard Features:

- Travel: 18mm each axis with adjustable stops
- Resolution: 3.175 microns/step (micro-stepping available)
- Repeatability: +/- 1 Step
- Speed: 1,100 steps/sec maximum with L/R Drive
1,800 steps/sec maximum with Chopper Drive
- Load Capacity: 30 kg (66 lbf)
- Bearing: High Grade 2mm Crossed Roller
- Flatness: 3 micron Bearing Parallelism
- Enclosure: 6061-T6 Aluminum
- Configuration: Right Hand (RH) or Left Hand (LH)
Left Hand Version shown

Motor Characteristics:

- Wiring: Bipolar, see diagram
- Operating Voltage: 5 VDC
- Current/Phase: 0.42 Amp
- Resistance/Phase: 11.9 Ohms
- Inductance/Phase: 6.7 mH
- Power Consumption: 4.2 W
- Rotary Inertia: 9.0 gcm**2
- Temperature Rise: 75 deg C
- Maximum Temperature: 130 deg C
- Insulation Resistance: 20 M-ohms
- Lead Wires: #26 AWG



Optional Features:

- Stainless Steel Enclosures
- Custom Interface Plate (Upon Request)

Optional Motors:

- 2.1 VDC or 12 VDC