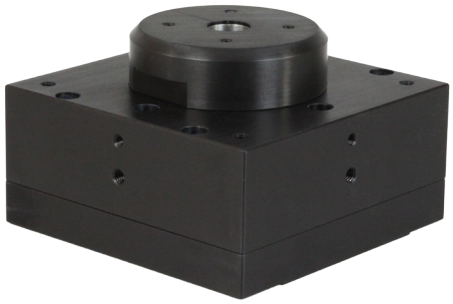
Mad360™

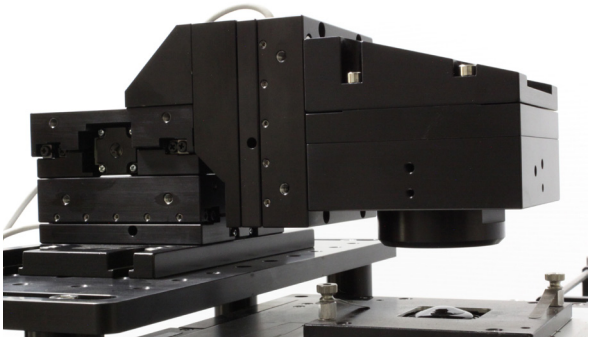
Features

- *Continuous 360° rotation*
- *Bidirectional rotation*
- *High precision & accuracy*
- *High speed or High precision modes*
- *60mm cage mount compatible*
- *Compatible with MMP micropositioners*

Typical Applications

- *Alignment*
- *Tracking*
- *Automation*





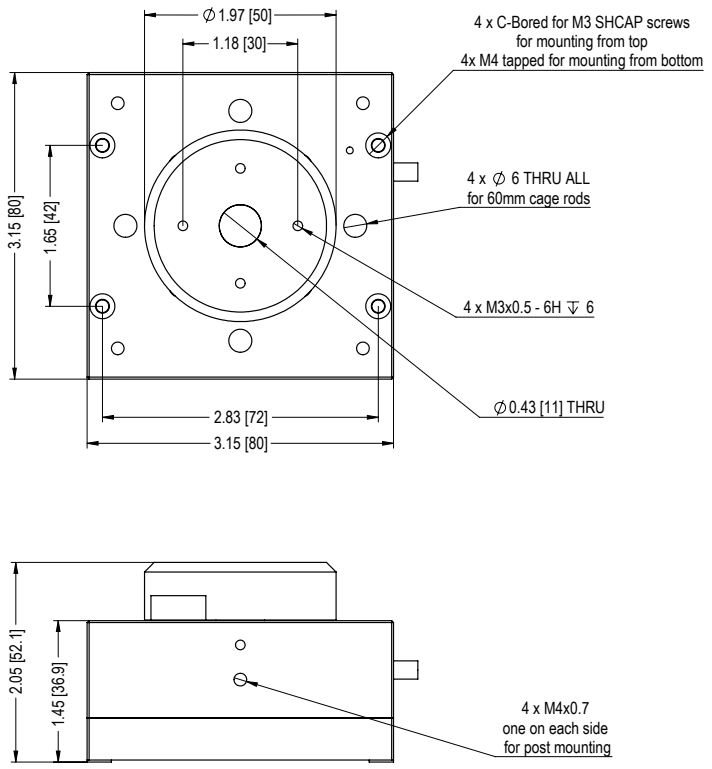
The Mad360™ shwon attached to a MMP3H micropositioning system for use in an optical microscopy instrument.

Product Description

The Mad360™ is a direct drive stepper motor driven, rotational system. Ideal for high speed rotational positioning or high precision rotational positioning. The Mad360™ has bidirectional, continuous 360° rotation. Designed for compatibility with Mad City Labs MMP linear micropositioning systems and 60mm cage mount components, the Mad360™ can be used in a variety of alignment or tracking applications. Due to the direct drive mechanism, the Mad360 has a minimum step size of 1 milliradian (17 mrad = 1°) and a repeatability of 1 milliradian. The maximum speed of the Mad360™ is 20 rotations/sec (1200 rpm). The included controller connects to a PC via a standard USB port and can be controlled via the supplied LabVIEW based software. The supplied software allows the user to select between high speed mode or a high precision mode.

Technical Specifications

Rotational motion (continuous) ..... 360°
Step Size ..... 1 mrad
Repeatability (@ 2 rotations/s) ..... 1 mrad
Maximum Speed ..... 20 rotations/sec
Holding torque ..... 0.12 Nm
Modes ..... High Speed/Precision
Body Material ..... Aluminum



Note: All Dimensions in Inches [mm]