



THE ROTATION STAGE WITH MULTIPLE FEATURES, PROVIDING OPTIC PLACEMENT AS WELL AS MOUNTING OPTIONS IN ONE UNIT.



**MANUAL OPTIC
ROTATION STAGE**

REVIUN MANUAL OPTIC ROTATION STAGE

Introducing our Manual Rotation Stage, a superior solution for smooth and precise rotation of larger optomechanical components. With a Ø2" rotating platform, this stage offers continuous 360° rotation, ensuring seamless operation and precise alignment. Laser-engraved graduation marks at 2° increments, along with a witness line, provide accurate angular positioning, enabling you to achieve optimal optical performance. The platform's height of 16.5mm and 8-32 (M4) mounting taps offer versatility and compatibility, making it easy to integrate with your existing optical setup. Whether mounted horizontally or vertically, this stage guarantees reliable performance, with a maximum load capacity of 110 lbs (50 kg) on a horizontal surface and 9 lbs (4 kg) in a vertical configuration. The stage features four 1/4" (M6) clearance holes, allowing effortless mounting to optical tables or breadboards and a central bore to accommodate optical elements along with a retainer ring to secure in place. Experience unparalleled precision and stability with our Manual Rotation Stage, a game-changer in optomechanics.



SPECIFICATIONS

OPTIC DIAMETER (mm) - 25.4

OPTIC TYPE - Circular

ANGULAR RANGE - 360°

GRADUATIONS - 2°

LOAD CAPACITY - 50 kg horizontal setup, 4 kg vertical setup

MINIMUM OPTIC THICKNESS (mm) - 10.00

OPTICAL AXIS HEIGHT (mm) - 32.00

CLEAR APERTURE (mm) - 19.5

MOUNTING - M4 (8-32) Tapped Hole x 2

CONSTRUCTION - Aluminium Base with Black Anodized Finish

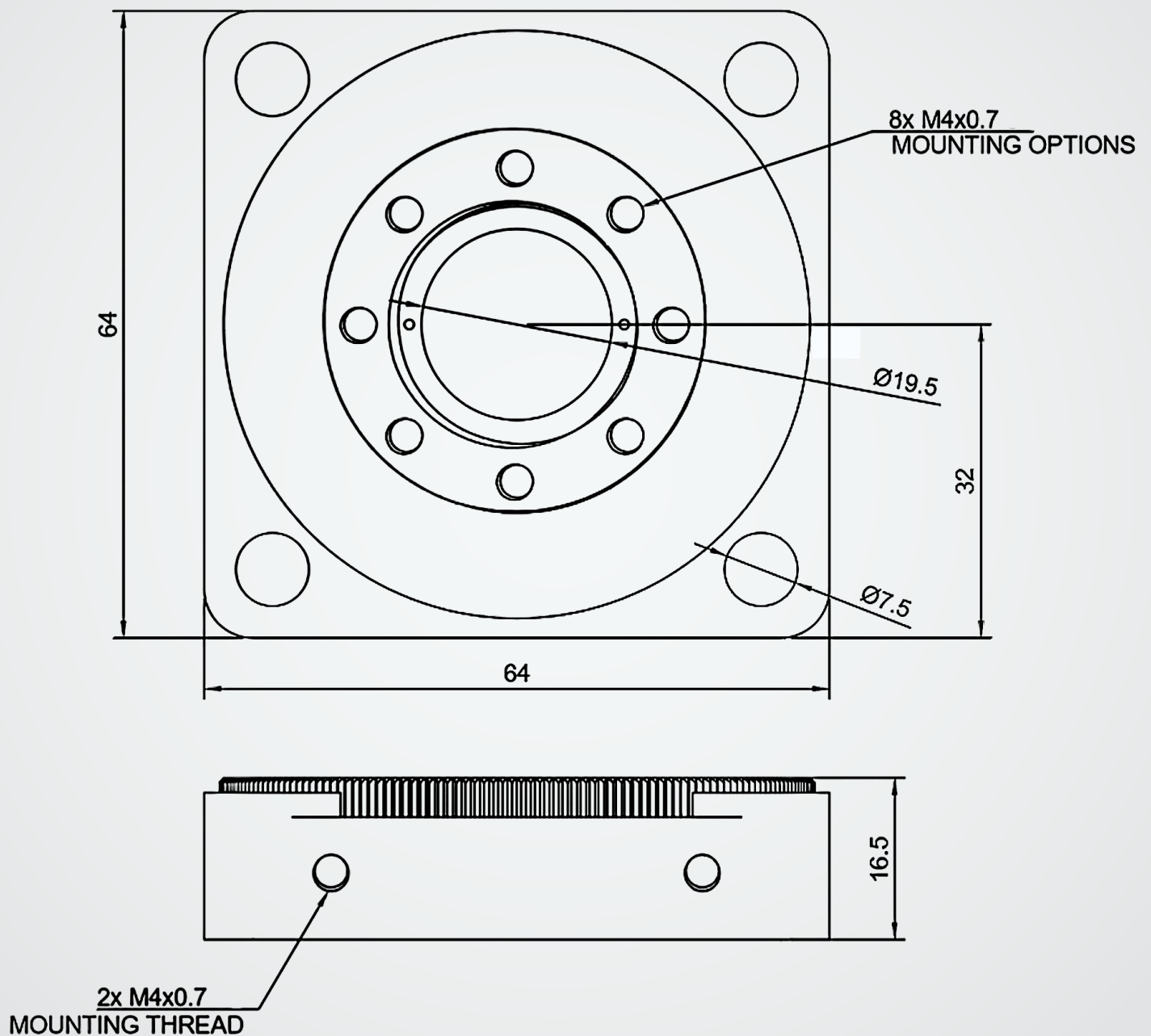
“REVIUN PRODUCTS ARE SHIPPED WORLDWIDE INCLUDING ONE-YEAR WARRANTY AS STANDARD.”

APPLICATIONS

- **Beam Steering:** The rotation stage allows precise control and adjustment of the beam direction for alignment purposes or directing the beam to different optical components.
- **Polarization Control:** The stage can be used to rotate waveplates, polarizers, or other polarization-sensitive elements to control the polarization state of light in optical systems.
- **Optics Alignment:** The rotation stage facilitates the precise positioning and alignment of optical components such as lenses, filters, mirrors, and prisms to optimize optical performance.
- **Microscopy:** The stage enables the rotation of specimens or samples in microscopy applications, allowing for 360° imaging or manipulation of the sample orientation.
- **Spectroscopy:** The rotation stage is used in spectroscopic setups for rotating the sample or a specific optical element, such as a grating or a filter, to adjust the spectral characteristics or analyze different angles of incidence.
- **Fiber Optics:** The stage is utilized in fiber optics systems for aligning or adjusting the orientation of optical fibers, connectors, or couplers to optimize light coupling or routing.
- **Scanning Systems:** The rotation stage can be incorporated into scanning systems for angular scanning or rotating elements, such as polygon mirrors or diffraction gratings, to achieve scanning functionality.
- **Laser Applications:** The stage is employed in laser setups for adjusting the orientation of laser cavities, beam expanders, or beam delivery systems, allowing precise beam control and alignment.
- **Optomechanical Testing:** The rotation stage can be used in testing and characterization setups to evaluate the mechanical and optical properties of various optomechanical components.

“WE CAN CUSTOMISE THIS PRODUCT IN ACCORDANCE WITH YOUR APPLICATION, REQUIREMENTS INCLUDING ERGONOMIC DESIGN”

TECHNICAL INFORMATION





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