ZMI Mirror and Beamsplitter Mount

<table>
<thead>
<tr>
<th>P/N</th>
<th>DESCRIPTION</th>
<th>ANGULAR ADJUSTMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>6191-0445-01</td>
<td>Mount for standard 1-inch square optical components</td>
<td>Yaw ± 8 degrees</td>
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<td></td>
<td></td>
<td>Tilt ± 4 degrees (when used with 3 clamping screws)</td>
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<td>± 8 degrees (when used with 2 clamping screws in center slots of Rocker Plate)</td>
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</tbody>
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**PHYSICAL CHARACTERISTICS**

- **Dimensions**: See Figure
- **Weight**: 86 grams (3.0 oz)
- **Materials**: Magnetic stainless steel
- **Function**: Use to mount optical components with 1-inch square cells

**Angular Adjustment**

- **Yaw**: ± 8 degrees
- **Tilt**: ± 4 degrees (when used with 3 clamping screws)

**Physical Characteristics**

- **Dimensions**: See Figure
- **Weight**: 86 grams (3.0 oz)
- **Materials**: Magnetic stainless steel
- **Function**: Use to mount optical components with 1-inch square cells

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**Securing the mount:**

1. Attach the mount to the mounting surface with a #4 or 3 mm socket screw and two washers through each mounting slot. Note that 2 standard flat washers (included) must be used between the adjustment slot and the screw head.
2. Tighten the screws to 80 in-oz (0.6 N•m) maximum.

**Mounting component to the mount:**

1. Position the optical component to the mount so the reflected beam rotates about the input laser beam.
2. Attach the component to the mount with two #4-40 screws.
3. Tighten the screws to 40 in-oz (0.3 N•m) maximum.

**Adjusting component location:**

1. To adjust for Yaw -
   a. Slightly loosen mounting screws and rotate entire mount.
   b. Tighten the mounting screws to 80 in-oz (0.6 N•m) maximum.
2. To adjust for Tilt -
   c. Slightly loosen the single clamping screw.
   d. Alternately tighten and loosen the paired clamping screws to rotate the component in the appropriate direction.
   e. Tighten the three clamping screws.