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>
</tr>
<tr>
<td></td>
<td></td>
<td>Tilt ± 4 degrees</td>
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<tr>
<td></td>
<td></td>
<td>(when used with 3 clamping screws)</td>
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<tr>
<td></td>
<td></td>
<td>± 8 degrees (when used with 2 clamping</td>
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<tr>
<td></td>
<td></td>
<td>screws in center slots of Rocker Plate)</td>
</tr>
</tbody>
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**PHYSICAL CHARACTERISTICS**

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>See Figure</th>
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<tbody>
<tr>
<td>Weight</td>
<td>86 grams (3.0 oz)</td>
</tr>
<tr>
<td>Materials</td>
<td>Magnetic stainless steel</td>
</tr>
<tr>
<td>Function</td>
<td>Use to mount optical components with 1-inch square cells</td>
</tr>
</tbody>
</table>

**Angular Adjustment**

- **Yaw**: ± 8 degrees
- **Tilt**: ± 4 degrees
  - (when used with 3 clamping screws)
  - ± 8 degrees (when used with 2 clamping screws in center slots of Rocker Plate)

**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 -
   a. Slightly loosen the single clamping screw.
   b. Alternately tighten and loosen the paired clamping screws to rotate the component in the appropriate direction.
   c. Tighten the three clamping screws.

Example of mounting a component to the mount

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:
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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 -
   a. Slightly loosen the single clamping screw.
   b. Alternately tighten and loosen the paired clamping screws to rotate the component in the appropriate direction.
   c. Tighten the three clamping screws.