**ZMI Interferometer Mount**

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<th>P/N</th>
<th>DESCRIPTION</th>
<th>ANGULAR ADJUSTMENT</th>
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<td>6191-0446-01</td>
<td>Mount for 1-1/2 inch square optical components</td>
<td>Yaw ± 8 degrees</td>
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<td></td>
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<td>Tilt ± 5 degrees</td>
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**PHYSICAL CHARACTERISTICS**

- **Dimensions**: See Figure
- **Weight**: 137 grams (5.0 oz)
- **Materials**: Magnetic stainless steel
- **Function**: Use to mount optical components with 1-1/2 inch square cells

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**Angular Adjustment**

- **Yaw**: ± 8 degrees
- **Tilt**: ± 5 degrees

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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** -
   a. Slightly loosen the single slotted hex head screw.
   b. Alternately tighten and loosen the paired slotted hex head screws to rotate the interferometer in the appropriate direction.
   c. Tighten the three slotted screws.