5KVDOM-3 - Kinematic Super Stable Mirror Mount

- 3” optic diameter
- Stainless steel
- Annealed front panel
- Compact/robust design
- Super stable
- Lockable adjustment screws
- Vacuum compatible version is available on request

Ultra-stable Kinematic Mirror Mounts 5KVDOM-3 are designed to minimize mount-induced wavefront distortions. In conventional mounts, the mirror is tightened by a side screw. Radial forces acting on the mirror induces parasitic wavefront distortion, such as astigmatism. 5KVDOM-3 mirror mounts use secure 3-points mirror suspension in between frontal flat spring and the back plate. Uniformly distributed axial forces eliminate wavefront distortion.

Due thermal processes on optic holding part, all metal inner tensions were removed and part makes none micro movements.

These mounts are ideal for industrial applications in different optical devices (laser cavities, optical sub-assemblies, limited space applications) because of their long-term stability.

Optics secured in double-bored hole with nylon setscrew. For any thickness optics.  

Fixed with 3 spots on flat spring. For 8±0.2 mm thickness optics.
If you have optics which thickness is 12.7 mm, we recommend Optical Mount with Supporting Adapter. Custom thickness adapters available on request.

**Kinematic Super Stable Optical Mount series**

5KVDOM-05  
0.5" optics

5KVDOM-1  
1" optics

5KVDOM-2  
2" optics

5KVDOM-3  
3" optics

You can watch 1" and 2" motorized mounts in action on our [youtube channel](http://www.standa.de/products/catalog/optical_positioners?item=350&prod=Kinematic_Super_Stable_Mirror_Mount&print=1).

**Related products**

- Off-Axis Parabolic Mirrors
- Dielectric Coated Optics
- Metallic Coated Optics

**Specifications**

<table>
<thead>
<tr>
<th>Model</th>
<th>Qty.</th>
<th>Details</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>3BPVDOM</td>
<td></td>
<td>Optical mount for 8mm thickness optics</td>
<td>350€</td>
</tr>
<tr>
<td>5KVDOM-3</td>
<td></td>
<td>Optical mount with supporting adapter for 12.7 thickness optics</td>
<td>350€</td>
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**Ordering Information**

<table>
<thead>
<tr>
<th>Fine screw thread</th>
<th>Optics diameter</th>
<th>Tip/tilt range</th>
<th>Sensitivity</th>
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<tbody>
<tr>
<td>M6x0.25</td>
<td>3&quot;</td>
<td>±2°</td>
<td>2 arcsec</td>
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