

TECHSPEC® 50.8mm Dia. 532nm 0-45°, Nd:YAG Laser Line Mirror



TECHSPEC® Nd:YAG Laser Line Mirrors

Stock #38-897 5 In Stock

1

C\$455^{.00}

ADD TO CART

| Volume Pricing | |
|----------------|-------------------------------|
| Qty 1-5 | C\$455.00 each |
| Qty 6-25 | C\$403.20 each |
| Need More? | Request Quote |

| Product Downloads | |
|-------------------|------------------------------|
| STEP:step | Curve:pdf |
| PDF Drawing:pdf | IGES:igs |
| eDrawing:easm | |
| EO Spec Sheet | Download All |

General

Type: Laser Mirror

Physical & Mechanical Properties

| | | | |
|------------------------------|-------------------|----------------------------|----------------------|
| Parallelism (arcmin): | <3 | Clear Aperture (%): | 90 |
| Back Surface: | Commercial Polish | Diameter (mm): | 50.80 +0.00/-0.10 |
| Thickness (mm): | 9.53 ±0.20 | | |

Optical Properties

| | | | |
|---------------------------------------|--|------------------------------------|---------------------------------------|
| Surface Quality: | 10-5 | Reflection at DWL (%): | 99.8 |
| Coating Specification: | R _{abs} ≥99.8% @ 532nm | Wavelength Range (nm): | 523 - 537 |
| Surface Flatness (P-V): | λ/10 | Coating Type: | Dielectric |
| Coating: | Laser Mirror (532nm) | Design Wavelength DWL (nm): | 532 |
| Angle of Incidence (°): | 0-45 | Substrate: ⓘ | Fused Silica (Corning 7980) |
| Damage Threshold, Reference: ⓘ | 10 J/cm ² @ 532nm, 20ns, 20Hz | | |

Regulatory Compliance

Certificate of Conformance: [View](#)

- Up to 99.9% Reflectivity at Nd:YAG Harmonic Frequencies
- High Laser Induced Damage Threshold Specifications
- 10-5 Surface Quality for Reduced Scatter in Sensitive Laser Applications
- **TECHSPEC® Laser Mirror Substrates** and **TECHSPEC® Yb:YAG Laser Line Mirrors** Also Available

TECHSPEC® Nd:YAG Laser Line Mirrors combine high reflectivity, excellent surface quality, and precision surface flatness to meet the requirements of demanding Nd:YAG laser applications. Each coating design has been tested to ensure a high laser damage threshold for compatibility with pulsed laser systems. These fused silica substrate laser mirrors have excellent thermal stability and are available in round, square, and rectangular profiles. TECHSPEC® Nd:YAG Laser Line Mirrors are ideal for laboratories and integration into larger laser systems. 266nm, 355nm, 532nm, 1064nm, and multi-line Nd:YAG mirror coatings are available.

Note: Contact us for customizable wavelengths, sizes, and varying AOI versions.

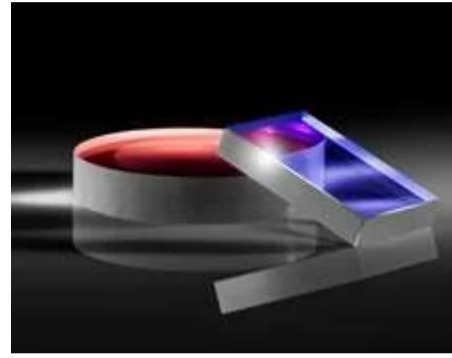
Related Products



Kinematic Optical Mirror Mounts



Kinematic Square Optical Mounts



Laser Mirror Substrates



Yb:YAG Laser Line Mirrors

Frequently Purchased Together



#30-976 - 76.6mm Dia x 849.9mm FL Achromatic Lens
C\$798.00

Qty



#33-303 - 12mm UC Series Fixed Focal Length Lens
C\$418.60

Qty



#33-304 - 16mm UC Series Fixed Focal Length Lens
C\$418.60

Qty













































#33-305 - 25mm UC Series Fixed Focal Length Lens
C\$418.60

Qty

Compatible Mounts

| | Title | Type | Compare | Stock Number | Price | Buy |
|--|--|-----------------------|---------|--------------|--|---|
| | 50.8mm Optic Dia., Optic Mount | Fixed | | #64-569 | C\$68.95 Request Quote | 12 In Stock <input type="text" value="1"/> |
| | 9.5 - 73.0mm Optic Dia., Three-Screw Adjustable Ring Mount | Fixed | | #36-605 | C\$116.20 Request Quote | 20+ In Stock <input type="text" value="1"/> |
| | 50.0/50.8mm Optic Dia., E-Series Kinematic Mount | Adjustable - Tip-Tilt | | #15-867 | C\$134.40 Request Quote | CONTACT US <input type="text" value="1"/> |
| | 10.0 - 60.0mm Optic Height, Metric Bar-Type Optic Holder | Fixed | | #55-530 | C\$151.20 Request Quote | CONTACT US <input type="text" value="1"/> |
| | 19.5 - 108.0mm Optic Dia., Three-Screw Adjustable Ring Mount | Fixed | | #03-670 | C\$159.60 Request Quote | 20+ In Stock <input type="text" value="1"/> |

| | Title | Type | Compare | Stock Number | Price | Buy |
|---|---|--------------------------------------|---------|-----------------------------|--|--|
|   | 7.0 - 67.0 Optic Height, English Bar-Type Optic Holder | Fixed | | #03-669 | C\$162.40 Request Quote | 20+ In Stock <input type="text" value="1"/>  |
|   | 8.0 - 118.0 Optic Height, English Bar-Type Optic Holder | Fixed | | #03-666 | C\$168.00 Request Quote | 20+ In Stock <input type="text" value="1"/>  |
|   | 50.0/50.8mm Optic Dia., Optical Cell Assembly | Fixed | | #36-465 CLEARANCE | C\$179.93 Request Quote | 2 In Stock <input type="text" value="1"/>  |
|   | 50.0/50.8mm Optic Dia., Kinematic Mount, 2-Screws | Adjustable - Tip-Tilt | | #58-852 | C\$189.00 Request Quote | 20+ In Stock <input type="text" value="1"/>  |
|   | 50.0/50.8mm Optic Dia., Kinematic Mount, 3-Screws | Adjustable - Tip-Tilt | | #58-855 | C\$219.80 Request Quote | 20+ In Stock <input type="text" value="1"/>  |
|   | 50.0/50.8mm Optic Dia., Stainless Steel Kinematic Mount, 2-Screws | Adjustable - Tip-Tilt | | #26-816 | C\$344.40 Request Quote | 12 In Stock <input type="text" value="1"/>  |
|   | 50.0/50.8mm Optic Dia., Stainless Steel Kinematic Mount, 3-Screws | Adjustable - Tip-Tilt | | #26-819 | C\$375.20 Request Quote | CONTACT US <input type="text" value="1"/>  |
|   | 50.0/50.8mm Optic Dia., X-Y Translating Optic Mount | Adjustable - Linear (XY) | | #62-957 | C\$431.20 Request Quote | 1 In Stock <input type="text" value="1"/>  |
|   | 50.0/50.8mm Optic Dia., Kinematic Mirror Mount | Adjustable - Tip-Tilt | | #55-005 | C\$505.40 Request Quote | 6 In Stock <input type="text" value="1"/>  |
|   | 50.0/50.8mm Optic Dia., Kinematic Mirror Mount with Micrometer | Adjustable - Tip-Tilt | | #56-326 | C\$541.80 Request Quote | CONTACT US <input type="text" value="1"/>  |
|   | 5.0 - 100.0mm Optic Dia., Self-Centering Jaw Clamp | Fixed | | #16-078 | C\$574.00 Request Quote | CONTACT US <input type="text" value="1"/>  |
|   | 50.0/50.8mm Optic Dia., Precision Gimbal Mount | Adjustable - Gimbal | | #55-000 | C\$714.00 Request Quote | 7 In Stock <input type="text" value="1"/>  |
|   | 50.0/50.8mm Optic Dia., X-Y-Z Translating Optic Mount | Adjustable - Linear (XYZ) | | #62-960 | C\$847.00 Request Quote | 20+ In Stock <input type="text" value="1"/>  |
|   | 50.0/50.8mm Optic Dia., 5 Axes Optical Mount | Adjustable - Linear (XYZ) & Tip-Tilt | | #13-778 | C\$1,176.00 Request Quote | 10 In Stock <input type="text" value="1"/>  |

Check out our full selection of mounts [here](#).

Resources

Media Type

- Application Note
- Technical Tool
- Trending in Optics
- Video
- Published Article
- FAQ
- Glossary
- Scientific Paper

APPLICATION NOTE

An Introduction to Optical Coatings

TECHNICAL TOOL

Gaussian Beams Calculator

APPLICATION NOTE

Effects of Laser Mirror Surface Flatness

TRENDING IN OPTICS

High Reflectivity Mirrors for Laser...

WEBINARS

High Reflectivity Mirrors for Laser...

APPLICATION NOTE

Highly Reflective Coatings

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