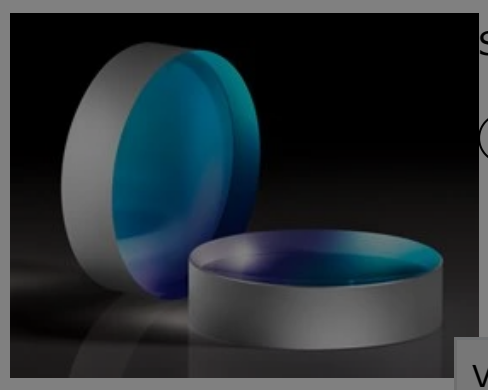
TECHSPEC®

25.4mm Dia. x 2 Laser Line Mirror



Laser Line Concave Mirrors

Stock **#39-954** **11 In Stock**

- 1 +

€180,00

ADD TO CART

Volume Pricing	
Qty 1-5	**€180,00** each
Qty 6-25	**€158,00** each
Qty 26+	**€153,00** each
Need More?	**Request Quote**

Prices shown are exclusive of VAT/local taxes

Product Downloads

STEP:step | Curve:pdf | PDF Drawing:pdf | IGES:igs | eDrawing:eprt | EO Spec Sheet | Download All

General

Type:	Concave Mirror

Physical & Mechanical Properties

Diameter (mm):	25.40 +0.00/-0.20	**Back Surface:**	Fine Grind
Center Thickness CT	4.71	**Clear Aperture (%):**	90
Edge Thickness ET (mm):	6.35 ±0.10		

Optical Properties

Coating Type:	Dielectric	**Coating:**	Laser Mirror (355nm)
Wavelength Range (nm):	351 - 358	**Design Wavelength DWL (nm):**	355
Effective Focal Length EFL (mm):	25.00	**Substrate:** ⓘ	**Fused Silica** (Corning 7980)
Angle of Incidence (°):	0-45	**Coating Specification:**	R_{abs} >99.80% @ 355nm (0-45° AOI)
Radius R_1 (mm):	50.00	**Surface Quality:**	20-10

Damage Threshold, Reference: ⓘ	1 MW/cm^2 @ 355nm	**Irregularity (P-V) @ 632.8nm:**	λ/10
Radius of Curvature (mm):	50.00		

Please select your shipping country to view the most accurate inventory information, and to determine the correct Edmund Optics sales office for your order.

Select Your Country/Region:

Regulatory Compliance

Certificate of Conformance:	**View**

Need different specs or modifications?

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our **custom manufacturing capabilities** or submit an inquiry **here.**

Product Details

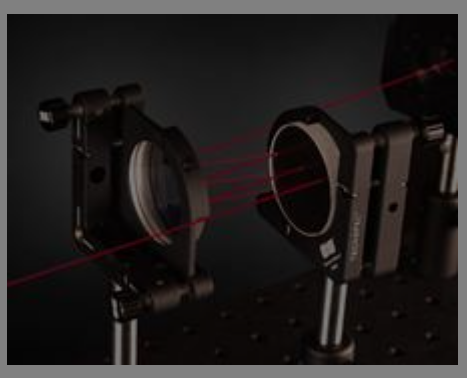
- Ideal for Focusing Laser Light
- >99.8% Reflectivity at Center Wavelength
- High Thermal Stability Fused Silica Substrates

TECHSPEC® Concave Laser Line Mirrors offer high precision 20-10 surface quality, λ/10 surface irregularity, and high reflectivity for focusing laser beams generated by Nd:YAG sources. Featuring high guaranteed laser induced damage thresholds, these dielectric coated laser mirrors are durable and resistant to laser damage. These concave mirrors are ideal for use with a 0-45° angle of incidence, providing flexibility for system integration into beam focusing, collecting, and imaging applications. TECHSPEC Concave Laser Line Mirrors feature fused silica substrates with excellent thermal and temporal stability, ensuring optimal performance regardless of temperature fluctuations. 266nm, 355nm, 532nm, and 1064nm laser line dielectric coatings are available.

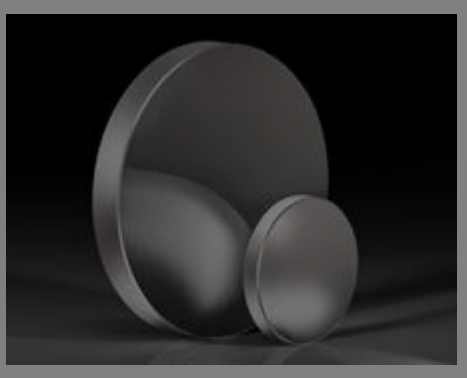
Technical Information

Related Products

Focusing (Concave) Mirrors

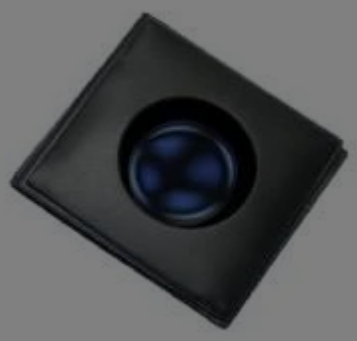


Laser Optics



Ultrafast-Enhanced Silver Concave Laser Mirrors

Frequently Purchased Together

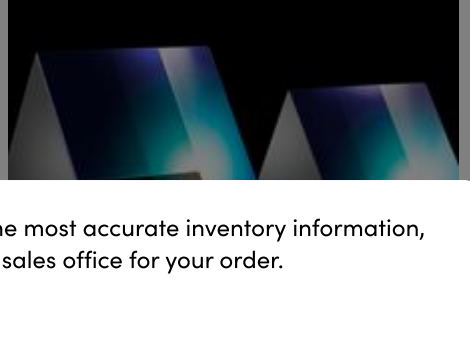


#34-521 – Polarized Stress Tester
€18,95

Qty

Holographic Grating
€125,00

Qty



€124,00

Qty

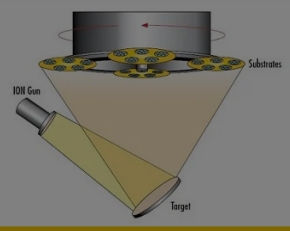
#49-578 – 1200 Grooves, 12.7mm Sq, 36.9° Groove Angle Grating
€115,00

Qty

Resources

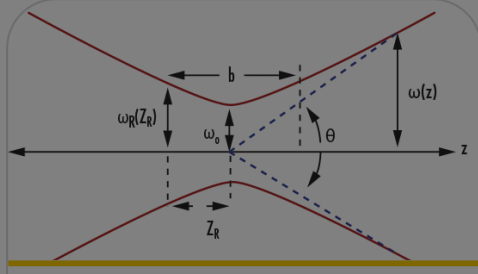
Media Type

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



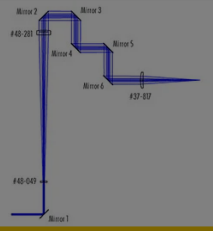
APPLICATION NOTE

An Introduction to Optical Coatings



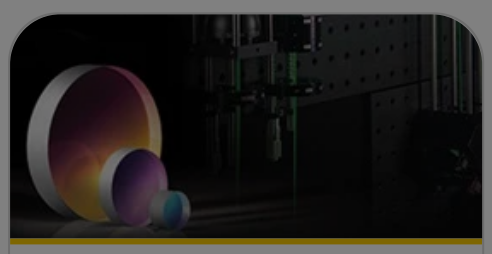
TECHNICAL TOOL

Gaussian Beams Calculator



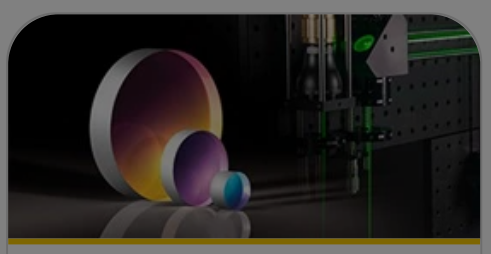
APPLICATION NOTE

Effects of Laser Mirror Surface Flatness



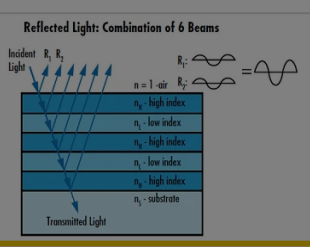
TRENDING IN OPTICS

High Reflectivity Mirrors for Laser...



WEBINARS

High Reflectivity Mirrors for Laser...



APPLICATION NOTE

Highly Reflective Coatings

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