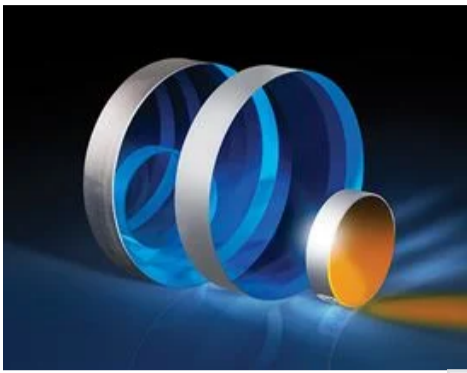


# TECHSPEC® 4" Dia. Protected Aluminum, λ/10 Flat Fused Silica

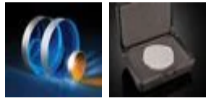


Stock #01-611-522 **3 In Stock**

1 MRP ₹1,00,890

Price inclusive of all taxes

**ADD TO CART**



Volume Pricing	
Qty 1-5	₹1,00,890 each
Qty 6-10	₹89,792 each
Need More?	<a href="#">Request Quote</a>

Product Downloads	
STEP:step	Curve:pdf
PDF Drawing:pdf	IGES:igs
eDrawing:eprt	
EO Spec Sheet	

## General

<b>Type:</b> Flat Mirror	<b>Note:</b> Flatness is specified as Peak to Valley
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## Physical & Mechanical Properties

<b>Diameter (mm):</b> 101.60 +0.0/-1.0	<b>Thickness (mm):</b> 19.10 ±1.5
<b>Back Surface:</b> Commercial Polish	<b>Clear Aperture CA (mm):</b> 91.44

## Optical Properties

<b>Wavelength Range (µm):</b> 0.4 - 2	<b>Coating Type:</b> Metal
<b>Coating:</b> Protected Aluminum (400-2000nm)	<b>Surface Flatness (P-V):</b> λ/10
<b>Wavelength Range (nm):</b> 400 - 2000	<b>Substrate:</b> <a href="#">Fused Silica</a> (Corning 7980)
<b>Coating Specification:</b> R <sub>avg</sub> >85% @ 400 - 700nm R <sub>avg</sub> >90% @ 400 - 2000nm	<b>Surface Quality:</b> 60-40
<b>Damage Threshold, Reference:</b> 0.3 J/cm <sup>2</sup> @ 532nm & 1064nm, 10ns	

## Regulatory Compliance

<b>RoHS 2015:</b> <a href="#">Compliant</a>	<b>Certificate of Conformance:</b> <a href="#">View</a>
<b>Reach 247:</b> <a href="#">Compliant</a>	
<b>Country of Origin:</b> United States	<b>Imported By:</b> Edmund Optics India Private Limited 267, Greystone Building,

## 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

- Fused Silica and ZERODUR® Substrates
- $\lambda/10$  and  $\lambda/20$  Surface Flatness
- Variety of Coating Options Offered

TECHSPEC® Precision Optical Flat Mirrors are ideal for various applications, including interferometry, imaging systems, laser applications, optical path folding, and autocollimation. These mirrors are available in multiple coating and substrate options and surface flatness options of  $\lambda/10$  and  $\lambda/20$ . The first substrate option ZERODUR®, a yellow-tinted glass ceramic, features an extremely low coefficient of thermal expansion. TECHSPEC® Precision Optical Flat Mirrors are ideal for applications where temperature fluctuation is a concern using the ZERODUR® substrate. The second option, Fused Silica, is optically clear and features excellent resistance to abrasion and high durability, making it the best choice for applications in harsh environments. Please note, calibration certificates are not supplied with these parts.

**TECHSPEC®  $\lambda/10$  and  $\lambda/20$  Precision Optical Flats** are available for testing and measurement applications.

**Note:** Surface flatness specifications are measured before coating.

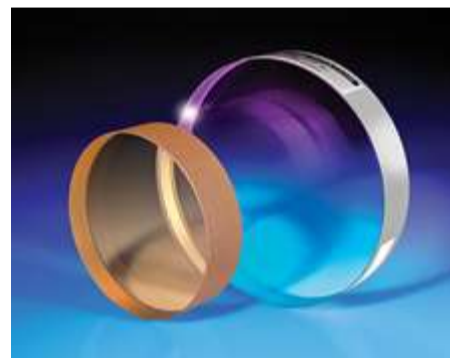
## Related Products



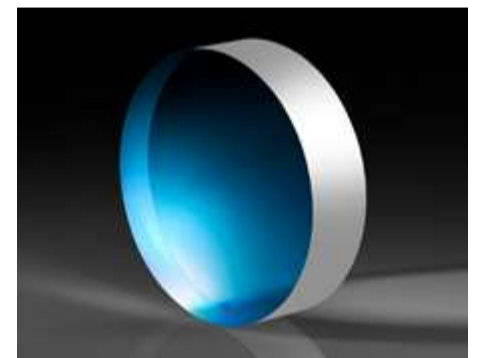
Optical Cell Kinematic Mounts



Precision Parabolic Mirrors

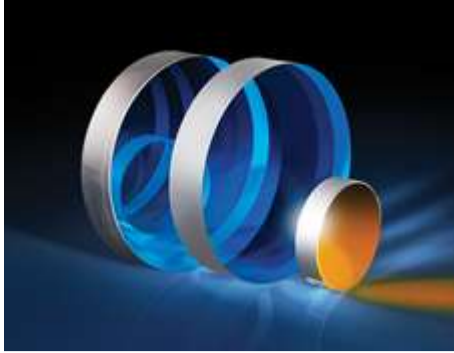


Single Surface Optical Flats



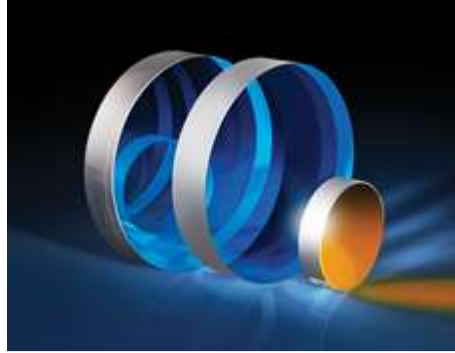
Precision Dual Surface  
Optical Flats

## Frequently Purchased Together



#01-915-522 - 3" Dia. Protected Aluminum,  $\lambda/10$  Flat Fused Silica  
₹59,021

Qty



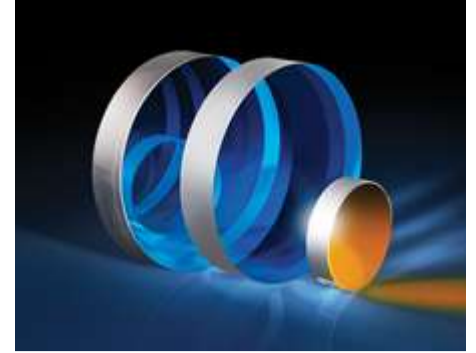
#32-199-566 - 2" Dia. Protected Gold,  $\lambda/10$  Flat ZERODUR®  
₹38,338

Qty



#63-483 - 75.0mm Dia. x 500.0mm FL, Uncoated, Plano-Convex Lens  
₹8,727

Qty



#01-914-522 - 2" Dia. Protected Aluminum,  $\lambda/10$  Flat Fused Silica  
₹26,736

Qty

## Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
	19.5 - 108.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#03-670	₹11,501 <a href="#">Request Quote</a>	1 In Stock <input type="text" value="1"/>
	8.0 - 118.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-666	₹12,107 <a href="#">Request Quote</a>	10 In Stock <input type="text" value="1"/>
	100.0/101.6mm Optic Dia., E-Series Kinematic Mount	Adjustable - Tip-Tilt		#15-869	₹31,074 <a href="#">Request Quote</a>	CONTACT US <input type="text" value="1"/>
	108.0mm Max Optic Dia., Jaw Clamp	Fixed		#53-038	₹82,730 <a href="#">Request Quote</a>	2 In Stock <input type="text" value="1"/>
	108.0mm Max Optic Dia., Jaw Clamp and 6" Kinematic Mount	Adjustable - Tip-Tilt		#53-040	₹1,23,086 <a href="#">Request Quote</a>	3 In Stock <input type="text" value="1"/>

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

## Resources

### Media Type

- Application Note
- Video
- FAQ
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