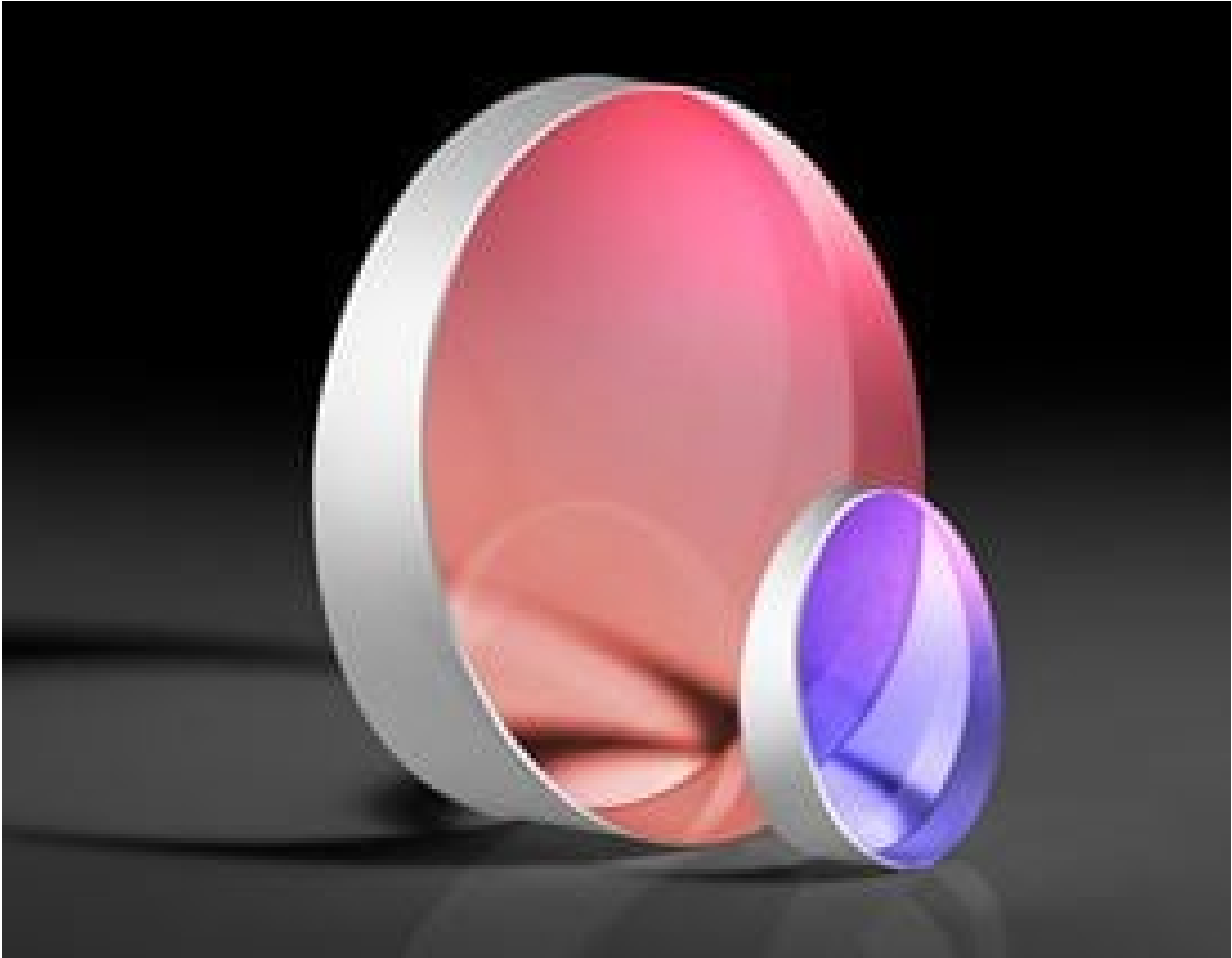


TECHSPEC<sup>®</sup> 25mm Dia. 2.5° Beam Dev. Fused Silica Wedge Prism Uncoated



TECHSPEC Fused Silica Wedge Prisms

Stock **#84-863** 20+ In Stock

-

1

+

€141<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | €141,00 each                  |
| Qty 6-25       | €112,00 each                  |
| Qty 26-49      | €105,00 each                  |
| Need More?     | <a href="#">Request Quote</a> |

 Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Wedge Prism

Type:

Note:  
Specify this is S1 & S2 power and irregularity, not the overall power of the wedge

Physical & Mechanical Properties

|                      |                       |
|----------------------|-----------------------|
| 25.00 +0.00/-0.10    | Diameter (mm):        |
| 3.00                 | Thickness (mm):       |
| Protective as needed | Bevel:                |
| 5° 13'29"            | Wedge Angle (arcmin): |

|                             |                                     |
|-----------------------------|-------------------------------------|
| Optical Properties          |                                     |
| 15                          | Angle Tolerance (arcsec):           |
| Uncoated                    | Coating:                            |
| 355                         | Design Wavelength DWL (nm):         |
| Fused Silica (Corning 7980) | Substrate: <input type="checkbox"/> |
| 20-10                       | Surface Quality:                    |
| Beam Deviation              | Image Orientation:                  |
| 200 - 2200                  | Wavelength Range (nm):              |
| 0.50                        | Power (fringes) @ 632.8nm:          |
| 0.20                        | Irregularity (fringes) @ 632.8nm:   |
| 2.50                        | Ray Deviation @ 355nm (°):          |
| 4.37                        | Power (diopters):                   |
| 5.22°                       | Wedge Angle (°):                    |

|                     |                                                              |
|---------------------|--------------------------------------------------------------|
| Material Properties |                                                              |
| 0.52                | Coefficient of Thermal Expansion CTE (10 <sup>-6</sup> /°C): |

|                       |                             |
|-----------------------|-----------------------------|
| Regulatory Compliance |                             |
| Compliant             | RoHS 2015:                  |
| Compliant             | Reach 219:                  |
| View                  | Certificate of Conformance: |

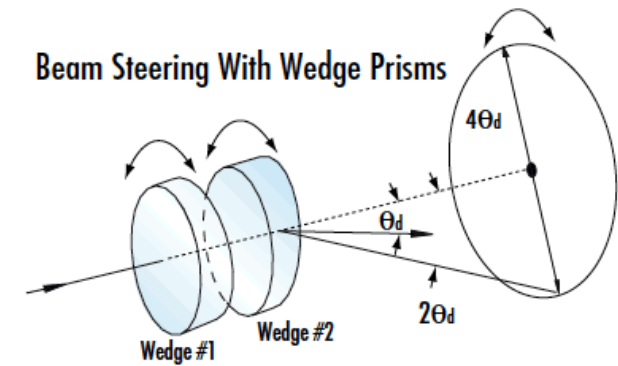
## Product Details

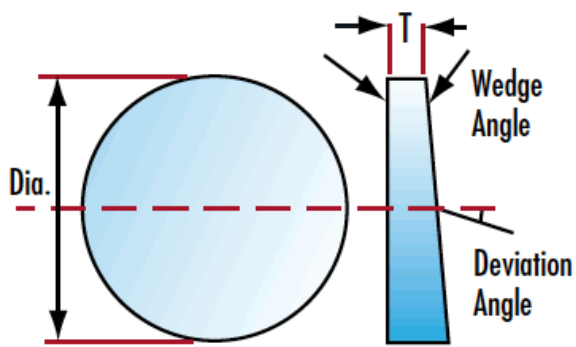
- Deviates Laser Beam Path from 0.5° - 5.0°
- Ideal for UV to NIR Beam Steering Applications from 250 to 1064nm
- Ideal for High Power Beam Steering Applications

TECHSPEC® Fused Silica Wedge Prisms are designed for a range of laser beam steering applications requiring UV-VIS or first through fourth Nd:YAG harmonic Anti-Reflection Coatings. They are optimized to ensure the highest level of system performance using tightly controlled specifications including *N*10 surface flatness, 20-10 surface quality, and a wedge tolerance of 15 or 30 arcseconds. The Nd:YAG coated versions feature high transmittance and guaranteed laser damage thresholds specific to the design wavelength. TECHSPEC® Fused Silica Wedge Prisms utilize a wedge design to deviate laser beam path from 0.5° – 5°. By creating a risley prism pair using two wedge prisms with the same ray deviation, custom beam steering up to two times the wedge deviation is possible. A low coefficient of thermal expansion ensures accurate beam steering in high power laser applications.

**Note:** Power Diopter is defined as 1cm deviation at a distance of 1m from the prism. TECHSPEC® Wedge Prisms are also available in [N-BK7 versions](#).

## Technical Information





## Custom

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](#).

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