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25.4mm Dia x 300mm FL, Uncoated Meniscus Lens



Stock #72-434 **20+ In Stock**

€28⁰⁰

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| Volume Pricing | |
|----------------|-------------------------------|
| Qty 1-9 | €28,00 each |
| Qty 10-24 | €25,25 each |
| Qty 25-49 | €22,50 each |
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! Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Meniscus Lens **Type:**

Physical & Mechanical Properties

25.40 +0.00/-0.10 **Diameter (mm):**

2.50 ±0.10 **Center Thickness CT (mm):**

| | |
|-------|-------------------------|
| <3 | Centering (arcmin): |
| 22.86 | Clear Aperture CA (mm): |
| 1.96 | Edge Thickness ET (mm): |

Optical Properties

| | |
|------------------|-------------------------------------|
| 300.00 @ 587.6nm | Effective Focal Length EFL (mm): |
| N-BK7 | Substrate: <input type="checkbox"/> |
| 11.81 | f#: |
| 0.04 | Numerical Aperture NA: |
| Uncoated | Coating: |
| 297.07 @ 587.6nm | Back Focal Length BFL (mm): |
| 587.6 | Design Wavelength DWL (nm): |
| 87.13 | Radius R ₁ (mm): |
| 196.972 | Radius R ₂ (mm): |
| 40-20 | Surface Quality: |
| 3 Rings | Power (P-V) @ 632.8nm: |
| 0.5 Rings | Irregularity (P-V) @ 632.8nm: |

Regulatory Compliance

| | |
|----------------------|-----------------------------|
| View | Certificate of Conformance: |
|----------------------|-----------------------------|

Product Details

- Positive Meniscus Lens Designs
- Minimize Spherical Aberration and Reduce Spot Sizes
- 350 – 2,200nm Wavelength Range

Positive Meniscus Lenses are convex-concave lenses manufactured from N-BK7 optical glass and are designed to minimize spherical aberration and reduce spot sizes in focusing applications. When used to focus a collimated beam, the lenses should be oriented with the convex surface towards to light source to minimize spherical aberration. Combining a positive meniscus lens with another lens in a multi-element optical design will allow for a shortening of the focal length and an increase in the numerical aperture (NA) of a system without introducing significant spherical aberrations. Positive Meniscus Lenses are available with focal lengths ranging from 100 to 300mm in 25.4mm diameters sizes, allowing for easy integration into benchtop systems.