

TECHSPEC® 0.5mm Diameter, N-BK7 Ball Lens



TECHSPEC® N-BK7 Ball Lenses

Stock #45-553 **20+ In Stock**

⊖ 1 ⊕ C\$63.⁰⁰

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Volume Pricing	
Qty 1-10	C\$63.00 each
Qty 11-25	C\$56.70 each
Qty 26-49	C\$53.55 each
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Product Downloads

General

Ball Lens Type:

Physical & Mechanical Properties

0.50 Diameter (mm):

±2.5 Diameter Tolerance (µm):

Optical Properties

N-BK7

Substrate:

Uncoated

Coating:

350 - 2200

Wavelength Range (nm):

1.517

Index of Refraction (n_d):

0.625

Sphericity (μm):

Regulatory Compliance

Compliant

RoHS 2015:

View

Certificate of Conformance:

Compliant

Reach 247:

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

- Can be Used as Fiber Coupling Spheres or Collimating Lenses
- Ideal Pre-Forms for Aspheric Lenses
- Available in a Variety of Sizes
- [TECHSPEC® N-BK7 Half-Ball Lenses](#) Also Available

TECHSPEC® N-BK7 Ball Lenses are glass spheres commonly used in fiber optic applications. Ball lenses are excellent optical components for improving signal coupling between fibers, emitters, and detectors. They are also used in endoscopy, bar code scanning, ball pre-forms for aspheric lenses, and sensor applications. TECHSPEC® N-BK7 Ball Lenses are uncoated and are optimal for wavelengths 350-2200nm. If applications require a more compact design, [TECHSPEC® N-BK7 Half-Ball Lenses](#) are also available.