

[See all 13 Products in Family](#)

**TECHSPEC® 0.5mm Diameter, N-BK7 Ball Lens**



TECHSPEC® N-BK7 Ball Lenses

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

- 1 + MRP ₹4,541

Price inclusive of all taxes

**ADD TO CART**

Volume Pricing	
Qty 1-10	₹4,541 each
Qty 11-25	₹4,086 each
Qty 26-49	₹3,860 each
Need More?	<a href="#">Request Quote</a>

Product Downloads

**General**

Ball Lens **Type:**

**Physical & Mechanical Properties**

0.50 **Diameter (mm):**

**Diameter Tolerance (µm):**

±2.5

## Optical Properties

<b>N-BK7</b>	<b>Substrate:</b> <input type="checkbox"/>
Uncoated	<b>Coating:</b>
350 - 2200	<b>Wavelength Range (nm):</b>
1.517	<b>Index of Refraction (n<sub>d</sub>):</b>
0.625	<b>Sphericity (μm):</b>

## Regulatory Compliance

<b>Compliant</b>	<b>RoHS 2015:</b>
<b>View</b>	<b>Certificate of Conformance:</b>
<b>Compliant</b>	<b>Reach 247:</b>
Switzerland	<b>Country of Origin:</b>
Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91- 80-6845 0000	<b>Imported By:</b>

## 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.