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## TECHSPEC® 5.0mm Diameter, N-BK7 Ball Lens



TECHSPEC® N-BK7 Ball Lenses

Stock **#43-712** **20+ In Stock**

1  MRP ₹4,112

Price inclusive of all taxes

**ADD TO CART**

Volume Pricing	
Qty 1-10	₹4,112 each
Qty 11-25	₹3,709 each
Qty 26-49	₹3,532 each
Need More?	<a href="#">Request Quote</a>

### Product Downloads

#### General

Ball Lens **Type:**

#### Physical & Mechanical Properties

5.00 **Diameter (mm):**

**Diameter Tolerance (µm):**

±2.5

## Optical Properties

N-BK7

Substrate:

Uncoated

Coating:

350 - 2200

Wavelength Range (nm):

1.517

Index of Refraction ( $n_d$ ):

0.625

Sphericity ( $\mu\text{m}$ ):

## Regulatory Compliance

Compliant

RoHS 2015:

View

Certificate of Conformance:

Compliant

Reach 247:

Switzerland

Country of Origin:

Imported By:  
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

## 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.

## Compatible Mounts