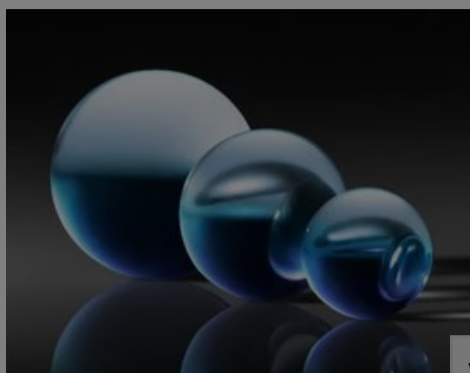


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TECHSPEC® 6.0mm



TECHSPEC® N-BK7 Ball Lenses

Please select your shipping country to view the most accurate inventory information, and to determine the correct Edmund Optics sales office for your order.

Select Your Country/Region: European Union

Submit

1

€47^{,50}

ADD TO CART

Volume Pricing	
Qty 1-10	€47,50 each
Qty 11-25	€42,50 each
Qty 26-49	€40,50 each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

- STEP:stp
- PDF Drawing:pdf
- IGES:igs
- Zemax:zar
- Zemax:zmx
- eDrawing:eprt
- Code V:seq
- EO Spec Sheet
- [Download All](#)

General

Type: Ball Lens

Physical & Mechanical Properties

Diameter (mm): 6.00

Diameter Tolerance (µm): ±5

Optical Properties

Substrate: **N-BK7**

Coating: Uncoated

Wavelength Range (nm): 350 - 2200

Index of Refraction (n_d): 1.517

Sphericity (µm): 0.625

Regulatory Compliance

RoHS 2015: **Compliant**

Certificate of Conformance: [View](#)

Reach 247: **Compliant**

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
- Ideal Pre-Forms for Aspheric Lenses
- Available in a Variety of Sizes
- **TECHSPEC® N-BK7 Half-Ball Lenses** A

TECHSPEC® N-BK7 Ball Lenses are glass spheres used for improving signal coupling between fibers, emitters, and detectors. They are also used in endoscopes and microscopes. 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.

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Related Products



#13-800 - Small Lens Clamp for 4-8mm Dia. Optics
€172,00

Qty

Frequently Purchased Together



#02-551 - 2000µm with 1 Fiber, Optical Grade Plastic Light Guide
€5,50

Qty



#30-787 - 28mm EFL Mounted, RKE Precision Eyepiece
€122,00

Qty



#31-433 - 51 x 76mm, 50R/50T, Plate Beamsplitter
€93,00

Qty



#31-861 - 6mm Dia. x 9mm FL, MgF₂ Coated, Double-Convex Lens
€39,75

Qty

Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
	Small Lens Clamp for 4-8mm Dia. Optics	Fixed		#13-800	€172,00 Request Quote	14 In Stock <input type="text" value="1"/>

Check out our full selection of mounts [here](#).

Resources

Media Type

- Application Note
- Technical Tool
- FAQ
- Glossary

APPLICATION NOTE

Anti-Reflection

TECHNICAL TOOL

Ball Lens

APPLICATION NOTE

Understanding
Ball Lenses

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? FAQ

I am trying to determine whether it is possible to us...

GLOSSARY

Sphericity

TECHNICAL TOOL

Fiber Coupler
Calculator

[View More](#)