

TECHSPEC® 12.5mm Dia x 20mm EFL Hastings Triplet Achromatic Lens



Stock #45-251 **20+ In Stock**

⊖ 1 ⊕ **\$211⁰⁰**

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Volume Pricing	
Qty 1-5	\$211.40 each
Qty 6-25	\$169.40 each
Qty 26-49	\$165.20 each
Need More?	Request Quote

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General

Achromatic Triplet Lens **Type:**

Physical & Mechanical Properties

12.50 +0.0/-0.025 **Diameter (mm):**

<3 **Centering (arcmin):**

10.18	Center Thickness CT (mm):
7.98	Center Thickness A (mm):
1.10	Center Thickness B (mm):
-14.95	Radius R₄ (mm):
7.44	Edge Thickness ET (mm):
Protective as needed	Bevel:

Optical Properties

20.00	Effective Focal Length EFL (mm):
±2	Focal Length Tolerance (%):
16.31	Back Focal Length BFL (mm):
587.6	Focal Length Specification Wavelength (nm):
14.95	Radius R₁ (mm):
7.34	Radius R₂ (mm):
-7.34	Radius R₃ (mm):
N-F2 / N-BK7 / N-F2	Substrate: <input type="checkbox"/>
40-20	Surface Quality:
1.6	f#:
0.31	Numerical Aperture NA:
MgF ₂ (400-700nm)	Coating:
R _{avg} ≤ 1.75% @ 400 - 700nm	Coating Specification:
1.5λ	Power (P-V) @ 632.8nm:
λ/4	Irregularity (P-V) @ 632.8nm:
400 - 700	Wavelength Range (nm):

Regulatory Compliance

Compliant	RoHS 2015:
Compliant	Reach 219:
View	Certificate of Conformance:

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](#).

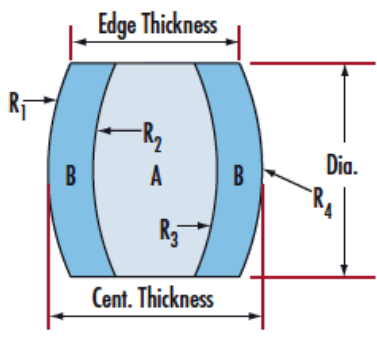
Product Details

- Unique, 3-Element Design
- MgF₂ Coated
- Steinheil Triplet Achromatic Lenses also Available

TECHSPEC® Hastings Triplet Achromatic Lenses feature a unique, three-element design that provides distortion free, color-correct viewing. These lenses are computer designed to interact with each other, contributing to the reduction or elimination of "pincushion" distortion, in addition to chromatic and spherical aberrations. TECHSPEC® Hastings Triplet Achromatic Lenses are composed of two concave meniscus elements cemented to a double-

convex lens. These lenses are AR coated with MgF₂, making them ideal for performance in the VIS range.

Technical Information



Coating Curves

Compatible Mounts

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