

TECHSPEC®

12.5 x 12.5mm, 0.20 Numerical Aperture, Uncoated, Square Precision Aspheric Lens



Stock #17-316 **CLEARANCE** 1 In Stock

- 1 + €235^{.82}

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SPECIFICATIONS

General

Aspheric Lens **Type:**

Physical & Mechanical Properties

12.50 x 12.50 **Dimensions (mm):**

<3 **Centering (arcmin):**

11.50 x 11.50 **Clear Aperture CA (mm):**

10.27 **Edge Thickness ET (mm):**

11.50 ±0.10 **Center Thickness CT (mm):**

Protective as needed **Bevel:**

Plano **Shape of Back Surface:**

Optical Properties

31.25 @587.6nm **Effective Focal Length EFL (mm):**

0.20 **Numerical Aperture NA:**

23.67 **Back Focal Length BFL (mm):**

[N-BK7](#) **Substrate:**

0.4λ **Asphere Figure Error, RMS @ 632.8nm:**

Uncoated **Coating:**

40-20 **Surface Quality:**

2.50 **f#:**

350 - 2200 **Wavelength Range (nm):**

Infinite **Conjugate Distance:**

32.00 **Power (diopters):**

Regulatory Compliance

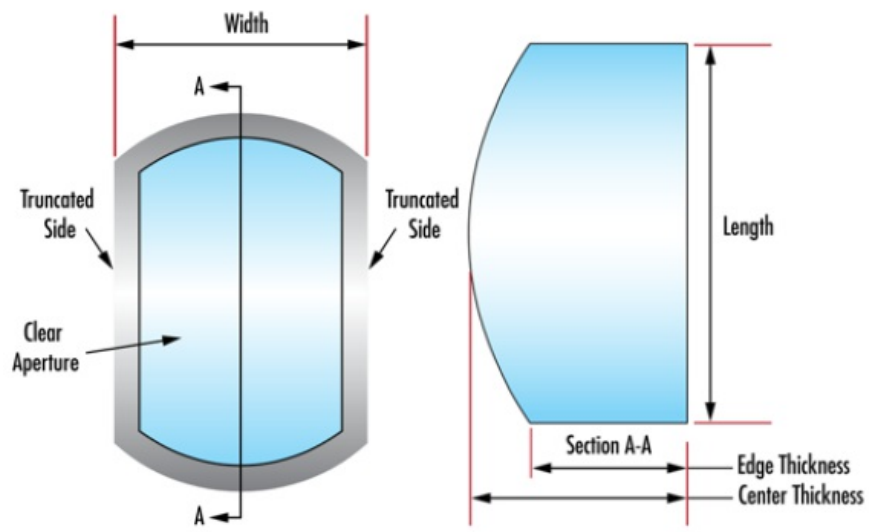
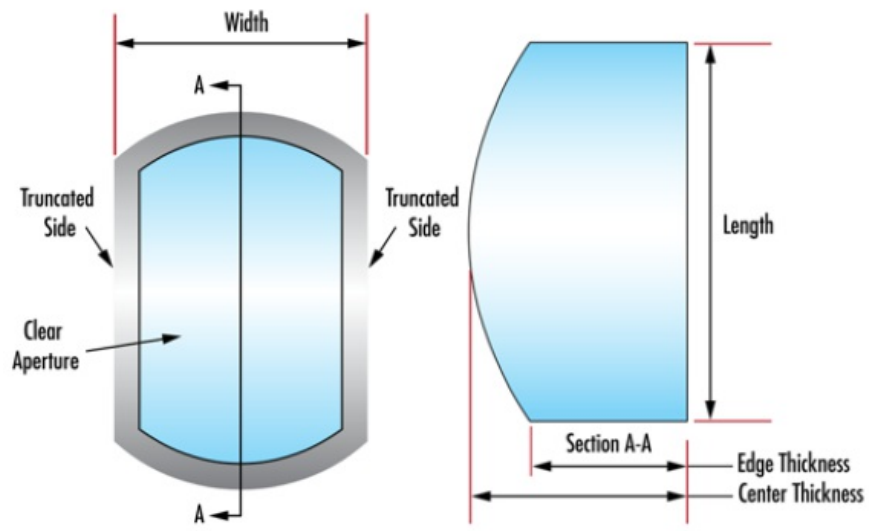
[View](#) **Certificate of Conformance:**

PRODUCT DETAILS

- Rectangular and Square Aspheres in 5 x 5mm to 12.5 x 25mm sizes
- Precision Grade Aspheric Figure Error
- Ideal for Integration into Space Sensitive Laser Systems

TECHSPEC® Truncated Precision Aspheric Lenses are truncated versions of our [TECHSPEC Precision Aspheric Lenses](#). These aspheric lenses are CNC polished to achieve a 0.4λ (Waves) RMS aspheric figure error and then cut to square or rectangular sizes. The precision aspheric figure error of these lenses makes them advantageous for demanding imaging or laser systems requiring spherical aberration correction. TECHSPEC Truncated Precision Aspheric Lenses with their space saving form factors are ideal for integration into medical devices, life science instrumentation, and industrial laser systems. Please contact us if your application requires a [TECHSPEC Aspheric Lens](#) truncated to meet specific size requirements.

TECHNICAL INFORMATION



CUSTOM

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](#).