25mm Dia. x 75mm FL, Uncoated, Best Form Spherical Lens

Best Form Spherical Lenses

Stock **#22-571** CONTACT US

－ 1 ＋ **€115**,⁰⁰

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Volume Pricing	
Qty 1-9	**€115,00** each
Qty 10-25	**€104,00** each
Qty 26-49	**€92,00** each
Need More?	Request Quote

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Double-Convex Lens

Physical & Mechanical Properties

Diameter (mm):	
25.00 +0/-0.025	
Centering (arcmin):	
<1	
Bevel:	
Protective as needed	
Center Thickness CT (mm):	
4.00 ±0.05	
Edge Thickness ET (mm):	
1.67	
Clear Aperture CA (mm):	
22.50	

Optical Properties

Back Focal Length BFL (mm):	
72.76	
Effective Focal Length EFL (mm):	
75.00	
Coating:	
Uncoated	
Substrate: $\square$	
Fused Silica	
Surface Quality:	
10-5	
Power (P-V) @ 632.8nm:	
1.5λ	
Irregularity (P-V) @ 632.8nm:	
λ/4	
Radius R_1 (mm):	
185.00	
Radius R_2 (mm):	
41.95	
f/#:	
3	
Focal Length Specification Wavelength (nm):	
587.6	
Numerical Aperture NA:	
0.17	
Wavelength Range (nm):	
200 - 2200	
Conjugate Distance:	
Infinite	

Regulatory Compliance

Certificate of Conformance:	
View	

Product Details

- Asymmetrical Design for Precise Focusing and Small Spot Size
- Uncoated Fused Silica Substrate with 10-5 Surface Quality
- Ideal for Higher Power Laser Applications

Best Form Spherical Lenses are double-convex (DCX) lenses designed with asymmetrical faces to achieve the smallest possible spot size with spherical surfaces. Featuring 10-5 surface quality and utilizing UV Fused Silica substrates, these lenses are an alternative to laser grade aspheric lenses. With common diameters and various focal lengths available, these lenses can easily be integrated into optical systems requiring precise focusing. Best Form Spherical Lenses are optimized to reduce spherical aberration and far exceed performance of plano-convex (PCX) lenses without the cost associated with aspheric lens designs. These lenses are ideal for precise laser applications where the large aperture diffraction limited performance of an aspheric lens is not needed.