

Biconvex lenses

Biconvex lenses are a simple lens comprising two convex spherical surfaces, generally with the same radius of curvature. Knight Optical offer custom biconvex lenses manufactured to our customer's specifications.

Biconvex lenses are offered uncoated or AR coated for visible applications through to NIR applications, including AR coated biconvex lenses for telecoms IR applications. We can offer custom biconvex lenses to meet your requirements or alternatively edge stock lenses for a quick turnaround, please enquire.



Being a simple lens, biconvex lenses have a broad range of applications including focussing and control of laser beams, moderate quality imaging and other optical instruments.

Our existing range of stock biconvex lenses can be edges and cut to size for a fast turnaround where required.

Custom capabilities

Diameter	3mm to 200mm+
Focal length	3mm to 1000mm+
Centration	< 3 arcseconds
Surface figure	< 0.1 fringes
Scratch/dig	< 10/5
Coating options	May be AR coated for UV/VIS/NIR
Material options	Schott glass of equivalent

Notes

All products are tested in our state of the art metrology laboratory by our highly trained technicians to ensure compliance with the specification. Parts are then sent to our QA team to be cleaned and checked for surface imperfections before dispatch.

Please contact our technical sales team on (+44) 1622 849 444 to discuss your custom Biconvex lens requirements and discover how Knight Optical can help improve your supply chain experience. Alternatively, email us your requirements by clicking on the links below.