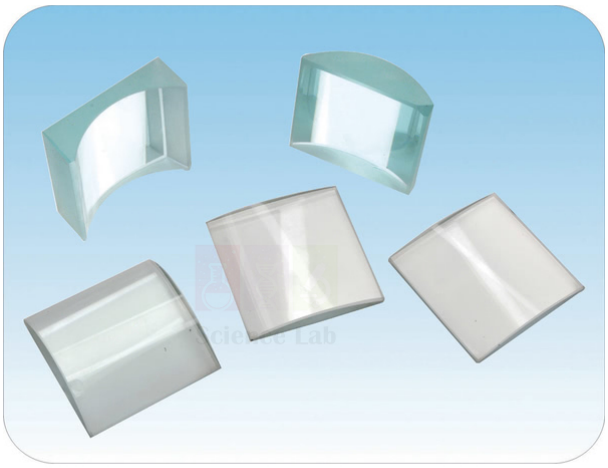
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Product Name :

Lenses Cylindrical Glass, Biconvex

Product Code :

SLE/PHY/109



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Description :

Lenses Cylindrical Glass, Biconvex (Product Code: SLE/PHY/109) is a converging cylindrical glass lens used to bring parallel rays of light to a line focus in optics and ray-diagramexperiments. School and college physics students use it to measure focal length directly onpaper, and it is listed with a 75 mm focal length and 50 x 45 dimensions. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory inAmbala, India, as optics lab equipment for India.

Specifications

Parameter	Detail
Lens type	Biconvex (converging), cylindrical
Material	Glass
Dimensions	50 x 45 (as listed; unit not stated)
Focal length	75 mm
Finish	Precision finished, for a variety of light and optics experiments
Packing	Individually pouched in a neat presentation case
Product code	SLE/PHY/109
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Biconvex Cylindrical Lens Used For?

With both faces curved outwards, this lens bends a fan of parallel rays inwards so that they cross at a bright focus about 75 mm behind it. Students stand the lens on a sheet of paper, mark the incoming and outgoing rays with a sharp pencil, and measure from the lens centre to the crossing point to find the focal length for themselves.

Moving the light source closer than the focal length shows the rays leaving the lens still diverging, the ray-diagram basis of a magnifying glass. Outer rays usually cross slightly nearer the lens than central ones, giving a visible example of spherical aberration for advanced classes. Keep fingerprints off the curved faces and slide the lens back into its pouch after each practical.

What to Specify When Ordering

- Which lens you need: biconvex, biconcave or planoconvex.
- Quantity per student group or laboratory.
- Whether all three shapes should be quoted for comparison experiments.

OEM Manufacturer

ScienceLab, the brand of Jain Scientific Equipments Private Limited, is the original equipment manu
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