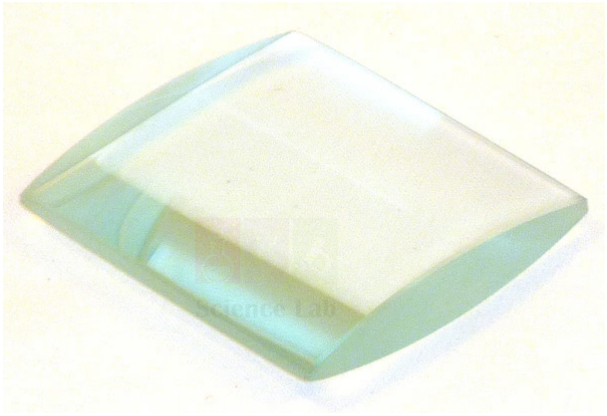
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Product Name :

Lenses Cylindrical Glass, Biconcave

Product Code :

SLE/PHY/108



Email : sales@scilabexport.com
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Description :

Lenses Cylindrical Glass, Biconcave (Product Code: SLE/PHY/108) is a diverging cylindrical glass lens used to spread rays of light apart in ray-tracing and optics experiments in school and college laboratories. Physics students use it to locate a virtual focus on paper, and it has a listed focal length of 75 mm and dimensions of 50 x 45. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer of optics lab equipment in India, at its own factory in Ambala.

Specifications

Parameter	Detail
Lens type	Biconcave (diverging), cylindrical
Material	Glass
Dimensions	50 x 45 (as listed; unit not stated)
Focal length	75 mm
Finish	Single, precision finished lens for light and optics experiments
Packing	Individually pouched and supplied in a presentation case
Product code	SLE/PHY/108
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Biconcave Cylindrical Lens Used For?

A cylindrical lens curves in one direction only, so it turns a flat sheet of light from a ray box into a clear fan of rays on paper rather than bringing it to a point. Stood on its edge in the path of parallel rays, this biconcave lens spreads them outwards; tracing the emerging rays backwards with a ruler shows that they appear to come from a virtual focus on the same side as the light.

Measuring from that point to the lens centre gives the focal length, which students can compare with the listed 75 mm. Placed against the biconvex lens of the same series, it makes parallel rays leave nearly parallel, showing that equal and opposite lens powers cancel. As part of a convex and concave lens set for school optics, it should be handled by its edges and returned to its pouch after use.

What to Specify When Ordering

- Lens type — biconcave, biconvex or planoconvex from the same series.
- Number of lenses per student group or class.
- Whether you need the full three-lens series for comparison work.
- A light source such as a laser pen, if your lab has no ray box.

OEM Manufacturer

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