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Product Name :

Mirror, Convex

Product Code :

SLE/PHY/253



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Description :

Mirror, Convex (Product Code: SLE/PHY/253) is a 50 mm diameter glass convex mirror used to show how diverging mirrors form small, upright virtual images in school and college optics lessons. It has a 100 mm focal length, an optically worked surface and a silvered back with a protective coating, and it comes in packs of 10 for class sets. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Mirror type	Convex
Material	Glass, optically worked
Diameter	50 mm
Focal length	100 mm
Backing	Silvered back with protective coating
Pack size	10 mirrors
Product code	SLE/PHY/253
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is a Convex Mirror Used For?

Whatever the object distance, a convex mirror gives an image that is virtual, upright and smaller than the object, and students can confirm this by viewing a pencil or their own face at different distances. Comparing its wide field of view with that of a plane mirror explains why convex mirrors are used as vehicle rear-view mirrors and at blind corners.

Finding the 100 mm focal length takes more care than with a concave mirror because the image cannot be caught on a screen; a common method uses a convex lens to form a real image first and then places the mirror in the converging beam so the light retraces its path. Mount the mirror securely, handle it by its edge and keep the protective backing free of scratches. Alongside concave and plane mirrors, it completes a set of optics lab equipment for the reflection topic.

What to Specify When Ordering

- The number of packs required (each pack holds 10 mirrors).
- Whether a convex lens and optical bench should be quoted for the focal-length method.
- Whether concave and plane mirrors are also needed so students can compare all three types.

OEM Manufacturer

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