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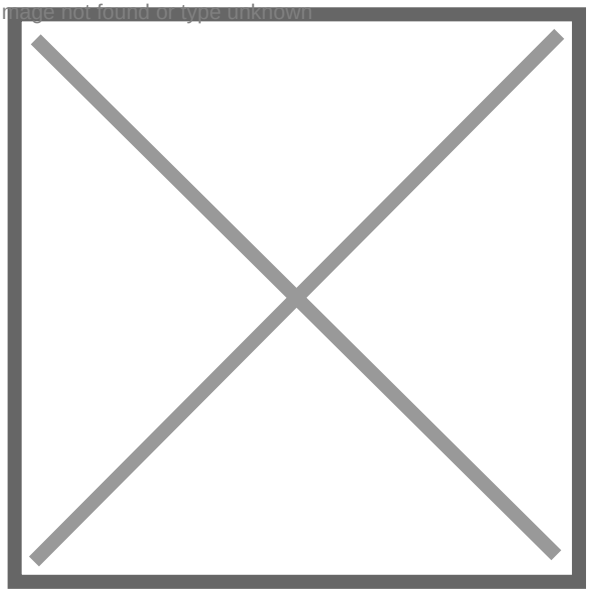
Product Name :

Horseshoe-Shaped Magnets

Product Code :

SCI-319/128

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Description :

Horseshoe-Shaped Magnets (Product Code: SCI-319/128) is a permanent U-shaped magnet used to demonstrate magnetic poles and a concentrated magnetic field in school and college physics laboratories. Because its two poles are bent close together, the strongest part of the field sits in the gap between them, so attraction and field-line patterns are easy for students to see. These magnets are made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India, as part of its school physics lab equipment range.

Key Details

Parameter	Detail
Magnet type	Permanent magnet — stays magnetised without a power source
Shape	Horseshoe (U-shape) with the two magnetic poles close together
Magnetic field	Strong field concentrated between the two poles
Compared with an electromagnet	Field cannot be switched on and off; an electromagnet's field can be started and stopped
Product code	SCI-319/128
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Horseshoe Magnet Used For?

In magnetism lessons, a horseshoe magnet is the quickest way to show that every magnet has a north and a south pole and that the field is strongest where the poles face each other. Students lay a sheet of card over the gap and sprinkle iron filings to trace the field lines, pick up pins or paper clips at each pole, or bring a plotting compass near each end to identify its polarity.

Because it is a permanent magnet, it keeps its magnetism with no battery or supply, which makes it a useful contrast when teachers introduce the electromagnet. It is also the usual source of field for motor-effect demonstrations, where a current-carrying wire placed between the poles is pushed sideways. To help the magnets hold their strength, store them in opposite-pole pairs or with a soft-iron keeper across the poles, and avoid dropping or heating them.

OEM Manufacturer

ScienceLab is the trading name of Jain Scientific Equipments Private Limited, the original equipment manufacturer of these horseshoe magnets. They are produced at the company's own licensed factory at Saha, Ambala, Haryana, rather than bought in from a trader, so schools, colleges, dealers and importers buy directly from the maker.

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