Email : sales@scilabexport.com
Phone: +91-7082934803

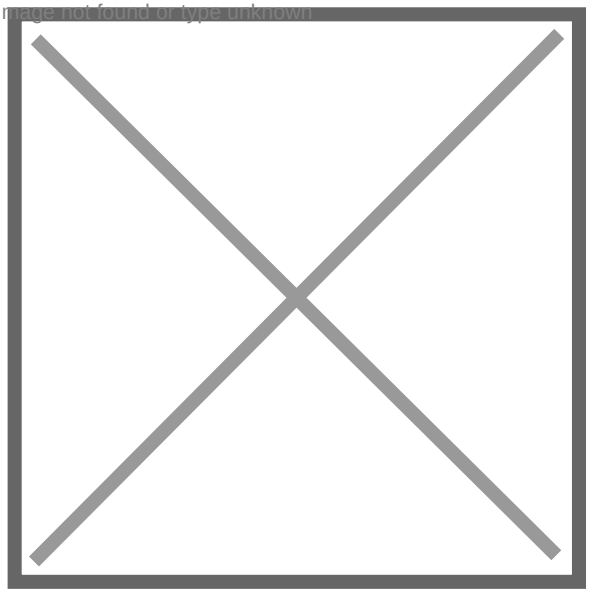
Product Name :

Horse Shoe Magnets

Product Code :

SCL-421/107

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Description :

Horse Shoe Magnets (Product Code: SCL-421/107) are U-shaped permanent magnets used to create a concentrated magnetic field between two close poles for magnetism and electromagnetism experiments in schools. Bending the magnet brings its north and south poles side by side, producing a strong field in the gap, which makes them standard physics lab equipment. They are supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Key Details

Parameter	Detail
Magnet type	Permanent magnet (stays magnetised)
Shape	Horseshoe, with two magnetic poles close together
Field	Strong magnetic field between the poles
Compared with an electromagnet	Field is permanent and cannot be switched on and off
Product code	SCL-421/107
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Are Horse Shoe Magnets Used For?

Because the field between the poles is strong and concentrated, a horseshoe magnet is the usual choice for the force-on-a-conductor experiment: a wire carrying current between the poles jumps sideways, demonstrating Fleming's left-hand rule. Moving a wire or coil through the gap while it is connected to a galvanometer shows electromagnetic induction.

Students also sprinkle iron filings on paper laid over the poles, or trace field lines with a small compass, to see how the field crowds across the gap. Store the magnets in pairs with unlike poles together or with a soft-iron bar across the poles, keep them away from electronic devices, and avoid dropping them, since knocks weaken permanent magnets over time.

Supplier

Jain Scientific Equipments Private Limited, which trades as ScienceLab, supplies these horseshoe magnets from Ambala, Haryana, India. The company sources them for schools, colleges, dealers and importers who need permanent magnets for field-plotting and electromagnetism practicals, and can quote them with compasses and filings for a complete magnetism set. Company details are on the ScienceLab company profile.

Related Physics Lab Equipment

Items used with horseshoe magnets in magnetism practicals:

- Magnetic Compass Small Size — plotting the field between the poles