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Product Name :

Magnetic Needle Jewel Bearing

Product Code :

SLE/PHY/237



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Description :

Magnetic Needle Jewel Bearing (Product Code: SLE/PHY/237) is a pivoted carbon steel magnetic needle used to show the direction of magnetic fields, from the Earth's field to the field around a magnet or a current-carrying wire, in school physics lessons. This 50 mm needle turns on a jewel pivot bearing, which lets it swing freely with very little friction. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer and physics instruments supplier in India, at its own factory in Ambala.

Specifications

Parameter	Detail
Needle material	Carbon steel
Length	50 mm
Bearing	Jewel pivot bearing
Bearing options in this range	Jewel or brass pivot bearing
Product code	SLE/PHY/237
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Jewel Bearing Magnetic Needle Used For?

A freely pivoted magnetic needle always lines up with the magnetic field where it sits. Students use it to find north and south, to trace the curved field around a bar magnet by moving the needle step by step and marking its direction, and to repeat Oersted's classic observation that a needle swings when current flows in a nearby wire.

The jewel bearing is the point of choosing this version: because the pivot has so little friction, the needle responds to weak fields and comes to rest in a true direction rather than sticking. Store it away from strong magnets so its own magnetism is not disturbed, keep it dry, and handle it by the needle rather than pressing on the pivot. It sits well among the physics lab instruments India's schools use for magnetism practicals.

What to Specify When Ordering

- The bearing and length you need: this 50 mm jewel-bearing needle or the longer brass-bearing version.
- The number of needles per class or per practical group.
- Whether magnets, plotting compasses or field demonstrators should be quoted with them.

OEM Manufacturer

This magnetic needle is made by Jain Scientific Equipments Private Limited, trading as ScienceLab, which is the OEM (original equipment manufacturer) and produces it at its own licens
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and c es
when

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