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Product Name :

Magnetic Field Tube

Product Code :

SLE/MG/17



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Description :

Magnetic Field Tube (Product Code: SLE/MG/17) is a sealed plastic display cylinder filled with steel filings, used to show the three-dimensional shape of a magnetic field in school physics and science classrooms. Teachers slide the included alnico cylindrical magnet into the 1/2-inch hole through the centre, and students see the filings gather around it in 3-D rather than as a flatpattern on paper. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala,India, for schools adding to their physics lab equipment in India.

Specifications

Parameter	Detail
Purpose	3-D demonstration of magnetic fields
Tube size	4 in high x 3 in diameter
Construction	Sealed plastic display cylinder, scratch resistant
Contents of the tube	1.3 oz of steel filings
Central hole	1/2 in diameter, runs through the centre of the cylinder
Magnet	Alnico cylindrical magnet, included
Documentation	Multilingual activity booklet
Product code	SLE/MG/17
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Magnetic Field Tube Used For?

Iron filings sprinkled on a sheet of paper only show one flat slice of a magnet's field. The Magnetic Field Tube lets a class see the whole field at once: turn the cylinder gently to spread the steel filings, then push the alnico magnet into the central hole. The filings crowd towards the poles and link up in curved chains that wrap around the magnet on every side, making it clear that a field fills the space around a magnet in all directions.

Use it after a flat iron-filings or plotting-compass activity so students can compare the two views, or pass it between groups while they sketch what they see from the side and from the ends. Because the filings stay sealed inside, there is nothing to spill or sweep up, and the multilingual activity booklet gives ready-made classroom activities. This makes it a tidy item for a magnetism experiment kit used across several classes.

Supplier

Jain Scientific Equipments Private Limited, which trades as ScienceLab, supplies the Magnetic Field Tube from Ambala, Haryana, to schools, colleges, dealers and institutions in India and international markets. It can be quoted on the same enquiry as the bar magnets, compasses and field demonstrators a magnetism lesson usually needs.

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