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Product Name :

Cylinders, Metal (Set of 6)

Product Code :

SLE/PHY/57



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Description :

Cylinders, Metal (Set of 6) (Product Code: SLE/PHY/57) is a set of six precision metal cylinders used to measure and compare the density of different metals in physics practicals. Each cylinder has a 10 mm diameter and is made of a different metal — brass, lead, iron, copper, aluminium or zinc — and the set comes in a wooden block. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India, as physics practical equipment for CBSE and other syllabi.

Specifications

Parameter	Detail
Purpose	Precision cylinders for experiments on density
Pieces per set	6
Metals	Brass, lead, iron, copper, aluminium and zinc
Diameter	10 mm
Storage	Supplied in a wooden block
Product code	SLE/PHY/57
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Are Metal Density Cylinders Used For?

The classic exercise is to find the density of each metal from its dimensions. Students measure the diameter and length of a cylinder with a vernier caliper, work out the volume as ?r²h, weigh the cylinder on a balance and divide mass by volume. Repeating this for all six metals shows clearly why a lead cylinder feels so much heavier than an aluminium one of the same diameter.

The same cylinders can be lowered into a measuring cylinder of water to find volume by displacement, letting a class compare the geometric and displacement methods and discuss measurement error. Return each cylinder to its place in the wooden block after use to avoid dents, and have students wash their hands after handling the lead piece.

OEM Manufacturer

Jain Scientific Equipments Private Limited, trading as ScienceLab, is the OEM (original equipment manufacturer) of this cylinder set and produces it at its own licensed factory at Saha, Ambala, Haryana, India. Because the maker supplies schools, colleges, dealers and importers directly, a lost or damaged cylinder can be raised with the same team that made the set — ask us about a replacement. Read more on the ScienceLab company profile.

Related Physics Lab Equipment

Other

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