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Product Name :

Ball & Ring Apparatus

Product Code :

SLE/PHY/134



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Description :

Ball & Ring Apparatus (Product Code: SLE/PHY/134) is a two-piece thermal expansion demonstrator used to show that a heated metal ball will no longer pass through a ring it cleared when cold, in school and college physics laboratories. Its brass ball, 22 mm in diameter, andbrass ring each sit on a brass rod with a wooden handle, so they can be held safely over a flame.It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at itsown factory in Ambala, India.

Specifications

Parameter	Detail
Type	Two-piece apparatus for demonstrating thermal expansion
Ball	Brass, 22 mm diameter
Ring	Brass
Mounting	Ball and ring each individually mounted on a brass rod
Handles	Wooden, one on each rod
Product code	SLE/PHY/134
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Ball and Ring Apparatus Used For?

The ball and ring apparatus gives a quick, visible proof that solids expand when heated. At room temperature the ball slips through the ring; the teacher then warms the ball in a Bunsen or spirit-lamp flame and tries again, and this time the ball rests on the ring instead of dropping through. As it cools, it falls through once more, which shows contraction on cooling as well.

A second run, heating the ring instead of the ball, lets students test their prediction of what happens to a hole when the metal around it expands. This makes it a staple of school physics lab equipment in India for the heat chapter. Hold the parts only by the wooden handles, rest the hot brass on a heat-proof mat, and let it cool in air rather than quenching it.

OEM Manufacturer

ScienceLab is the trading name of Jain Scientific Equipments Private Limited, the OEM (original equipment manufacturer) of this Ball & Ring Apparatus. It is made and assembled at the company's own licensed factory at Saha, Ambala, Haryana, India, rather than bought in from a trader, and goes factory-direct to schools, colleges, dealers and importers in India and international markets. Repeat orders and replacement parts are handled by the manufacturer itself, so ask us about availability. More background is on the ScienceLab company profile.

Related Physics Lab Equipment

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