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Product Name :

Apparatus Inertia

Product Code :

SLE/PHY/13



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Description :

Apparatus Inertia (Product Code: SLE/PHY/13) is a spring-flick demonstration set used to illustrate inertia, the tendency of a body at rest to stay at rest, in primary, middle and secondary school science classes. In this hands-on physics demonstration kit, a spring snaps a card outfrom under a glass ball, and the ball drops into the cup on the post instead of flying off with thecard. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer of mechanics lab equipment in India, at its own factory in Ambala.

Specifications

Parameter	Detail
Purpose	Illustrating an effect of inertia
Contents	Glass ball, card, plastic base, post, hardware and instructions
Action	Pulling back and releasing the spring shoots the card forward whilethe ball drops back into the cup on the post
Glass ball	Has a 5 mm flat spot that lets it rest on the card
Extension	The same experiment can be tried with a coin
Product code	SLE/PHY/13
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Inertia Apparatus Used For?

It is the classroom version of pulling a tablecloth from under the dishes. The card is laid over the cup on the post, the glass ball rests on the card on its 5 mm flat spot, and the spring is pulled back. When the spring is let go it strikes the card sharply and sends it flying, but the ball, which was at rest, tends to stay at rest. The brief friction from the card moves it only a little, so it drops straight down and settles into the cup instead of travelling with the card.

Ask students to predict the outcome before each release, then repeat with a coin in place of the ball to show the same effect on a different object. A quick, confident release gives the cleanest result; a slow push drags the ball along and is itself a useful comparison. As a force motion experiment kit, it opens discussion of Newton's first law, seat belts and why loose objects slide in a braking bus.

OEM Manufacturer

ScienceLab is the brand name of Jain Scientific Equipments Private Limited, which is the OEM for the Apparatus Inertia. The set is manufactured at the company's own licensed factory in Saha, Ambala, Haryana, India, and supplied straight from there to schools, science centres, dealers and importers. Because the maker handles every enquiry, spare glass balls or cards and repeat class sets can simply be requested from us. Company details are on the ScienceLab profile.

Rela

Teac

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