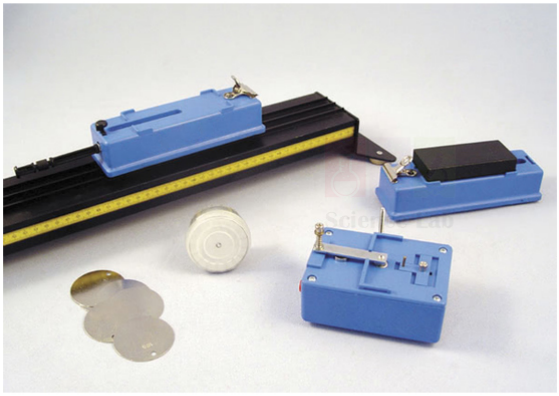
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Product Name :

Dynamics Kit, Track & Accessories

Product Code :

SLE/PHY/159



Description :

Dynamics Kit, Track & Accessories (Product Code: SLE/PHY/159) is a force and motion experiment kit used to study velocity, acceleration, momentum and Newton's laws in school and college physics labs. It brings together a 1.2 m aluminium track, two high-impact moulded trolleys (one spring loaded), masses, a ticker tape timer and carbon discs as one matched set for curriculum-based experiments. 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
Track	Aluminium, 1.2 m
Trolleys	2 high-impact moulded trolleys (1 spring loaded)
Masses	10 x 10 g
Timer	1 x ticker tape timer
Trolley weight	1
Carbon discs	20
Topic	Curriculum-based Force & Motion experiments
Product code	SLE/PHY/159
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Dynamics Kit Used For?

The kit covers the core mechanics practicals in one box. Students run a trolley down the tilted aluminium track while the ticker tape timer marks dots at regular intervals, then use the dot spacing to calculate velocity and acceleration. Adding the 10 g masses or the trolley weight changes the mass being accelerated, which leads straight into Newton's second law. The spring-loaded trolley and its partner are used for collision and "explosion" experiments on conservation of momentum.

For cleaner results, first raise one end of the track just enough for a gently pushed trolley to run at constant speed; evenly spaced dots show that friction has been compensated. Note that ticker tape and a power supply for the timer are not listed among the kit contents, so check what your lab already has. It is a practical force motion experiment kit for schools and colleges in India and abroad.

What to Specify When Ordering

- Number of kits — usually one per student group.
- Ticker tape and a suitable supply for the timer, if your lab does not already have them.

OEM