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Product Name :

Dynamics Trolley, Plastic

Product Code :

SLE/PHY/160



Science Lab
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Description :

Dynamics Trolley, Plastic (Product Code: SLE/PHY/160) is a rigid ABS plastic laboratory trolley used for kinematics, collision and momentum experiments in school and college physics. It has accurately aligned, very low-friction wheels, an accurate mass of 600 g and velcro pads for inelastic collisions, and it can withstand loads up to 60 kg. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Material	Rigid ABS plastic
Wheels	Accurately aligned, very low friction
Firing pins	Two-position, with locking catch for safety
Collision pads	Velcro pads for inelastic collision experiments
Mass	600 g (accurate)
Load capacity	Up to 60 kg
Design	Stackable, low profile
Dimensions	310 mm (L) x 130 mm (W) x 90 mm (H)
Product code	SLE/PHY/160
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Plastic Dynamics Trolley Used For?

The accurate 600 g mass means students can put the trolley straight into momentum and force calculations without weighing it first. Stacking one trolley on another doubles the moving mass, and the high load capacity allows extra masses to be piled on for Newton's second law investigations. Very low-friction wheels keep losses small, so results from collisions and accelerations stay close to theory.

For collisions, the velcro pads make two trolleys stick together to model a perfectly inelastic impact, while the two-position firing pins push trolleys apart for "explosion" experiments. Keep the firing pin on its locking catch until the moment of release, and store trolleys stacked to save bench space. It is a rigid, practical piece of mechanics lab equipment for schools and colleges in India and abroad.

What to Specify When Ordering

- Number of trolleys — collision and explosion experiments need at least two per group.
- Whether you would prefer the complete Dynamics Kit, Track & Accessories instead of single trolleys