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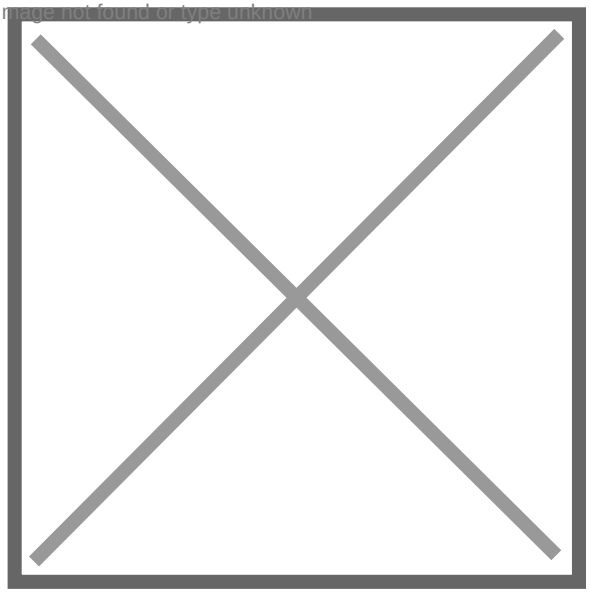
Product Name :

Kitty for the Study of the Motion of Bodies

Product Code :

SCL-397/02

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Description :

Kitty for the Study of the Motion of Bodies (Product Code: SCL-397/02) is a force and motion experiment kit of two low-friction laboratory carts and two tracks, used to study collisions, momentum and Newton's laws in school physics laboratories. Each cart measures 290 x 140 x90 mm and rolls on wheels with spherical bearings, while springs and elastic cords let students launch, couple or bounce the carts. The kit is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM scientific instruments manufacturer in India, at its own factory in Ambala.

Specifications

Parameter	Detail
Carts	2 laboratory carts
Cart dimensions	290 x 140 x 90 mm
Weight (as listed)	0.87 kg
Wheels	Spherical bearings, for little friction
Tracks	2 trolley tracks, 1.5 x 0.3 m
Springs	10 springs, 50 x 15 mm
Spring holders	10
Elastic cords	10 cords, 150 mm long, with rings at the bottom
Product code	SCL-397/02
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Motion of Bodies Kit Used For?

With a cart on each track, the kit covers the core dynamics practicals of secondary physics. Fit a spring between the two carts, hold them together and let go: they move apart in opposite directions, demonstrating Newton's third law and conservation of momentum. With springs on the front ends, students can run near-elastic collisions and compare the speeds of the carts before and after impact.

The elastic cords give a cart a steady pull so that students can watch it accelerate under a force, or link the two carts for coupled runs. Because the wheels turn on spherical bearings, friction losses stay small and results come closer to theory, which makes the set a practical piece of mechanics lab equipment for class demonstrations and group work. Keep the tracks clean and level, and add a stopwatch or ticker tape timer when you want measured velocities.

What to Specify When Ordering

- The number of kits per laboratory — each kit contains two carts and two 1.5 x 0.3 m tracks.
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