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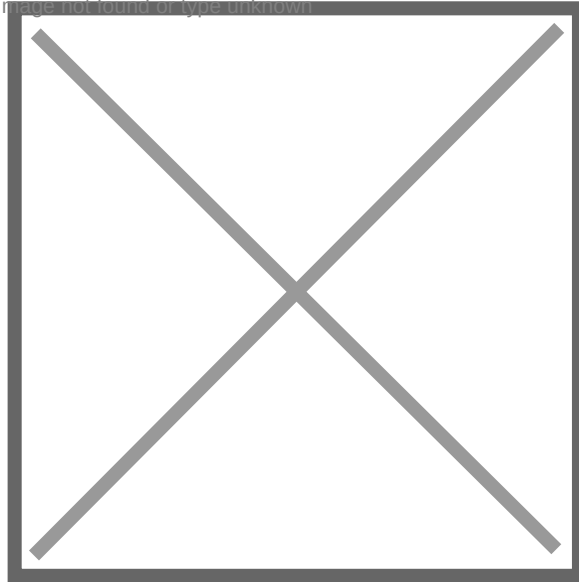
**Product Name :**

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 x 90 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 manufacturer, at its own factory in Ambala, India.

## 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.
- Whether you want a stopwatch or a ticker tape timer.
- Any other accessories you want to include.

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