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## [Collision In Two Dimensions Apparatus](#) [0201010450A](#)



[Collision In Two Dimensions Apparatus](#) is designed for students to study conservation of momentum and kinetic energy change in collisions. It can also be used to investigate elastic and inelastic collisions. This [Collision In Two Dimensions Apparatus](#) comprises a curved aluminum track mounted vertically on a 25cm length and 10cm width flat metal base with an adjustable target support. The track includes an 22cm length inclined section and a 8cm length straight section.

A steel ball is held at the top of a curved aluminum track. When the ball is released, it travels down the track and collides with another ball placed on an adjustable target support. Students then observe how the two balls fall. A plumb bob attached to the target support provides height of point of collision from the ground and the position on the ground that corresponds to the point of collision.

The [Collision In Two Dimensions Apparatus](#) comes with a steel ball, a glass ball, a lightweight and instructions. Includes a clamp to attach to a table.

### **[Collision In Two Dimensions Apparatus](#)**

#### **Main Technical Parameters**

Collision In Two Dimensions Apparatus	Specification
SKU	<a href="#">0201010450A</a>
Size of flat metal base	25*10cm
Overall length of the track	30cm
Diameter of steel ball	22mm
Overall height of apparatus	15cm
Weight of the apparatus	500g

\*Products and configuration list described herein are subject to changes without notice.

# Collision In Two Dimensions Apparatus

## 0201010450B



The [Collision in Two Dimensions Apparatus](#) allows students to study the conservation of momentum and kinetic energy change in collisions by investigating the difference between elastic, inelastic, and partially elastic collisions. A flat metal base supports a curved aluminum track and an adjustable target support form the core of this apparatus. The kit includes two steel balls, a glass ball, a hollow wooden ball, a plumb line and instructions.