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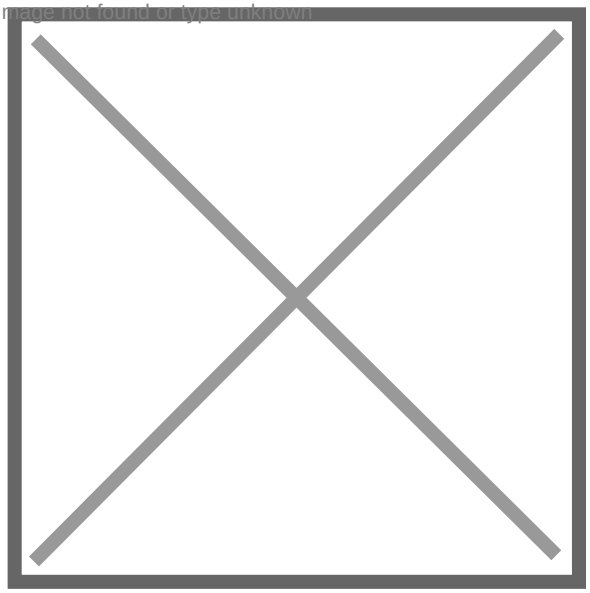
Product Name :

Apparatus for Demonstrating Circular Motion

Product Code :

SCL-279/011

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Description :

Apparatus for Demonstrating Circular Motion (Product Code: SCL-279/011) is a simple centrifugal apparatus used to investigate centripetal force in school and college physics laboratories. A suspended metal body moves outward as the apparatus turns, and a vertically mounted pointer marks its displacement, so students can calculate the centripetal force from the mass, the speed of rotation and the radius. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Key Details

Parameter	Detail
Type	Simple centrifugal apparatus
Bodies	Three cylindrical metal bodies
Rod	Plastic rod
Thread	1.5 m / 2 m
Displacement indicator	Vertically mounted pointer that moves laterally to match the pointed tip of the suspended mass
Result obtained	Centripetal force, calculated from mass, speed of rotation and radius
Product code	SCL-279/011
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Circular Motion Apparatus Used For?

Any object moving in a circle needs an inward force to keep it on its path. With this apparatus, students set the pointer at a chosen radius and increase the speed of rotation until the pointed tip of the suspended metal body lines up with it. At that point the body is travelling in a circle of known radius, and timing a number of turns gives the speed.

Using the mass of the body, its speed and the radius, the class calculates the centripetal force and can repeat the run with each of the three metal bodies to see how the required force grows with mass. It makes a clear force and motion experiment kit for senior secondary mechanics. Check that the thread is secure before each run, keep students clear of the rotating parts, and build the speed up gradually.

OEM Manufacturer

This circular motion apparatus is an original product of Jain Scientific Equipments Private Limited, trading as ScienceLab, which acts as OEM (original equipment manufacturer) and builds it at its own licensed factory at Saha, Ambala, Haryana, India. Laboratories and distributors order directly from
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