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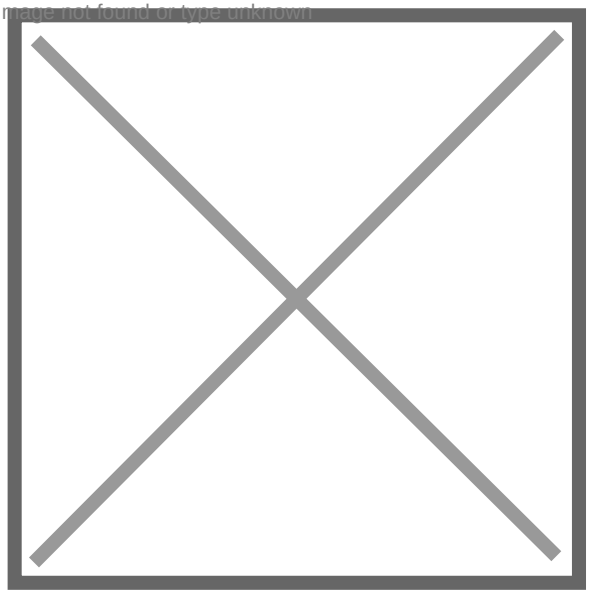
Product Name :

Apparatus for Demonstrating Waves with Elastic Springs

Product Code :

SCL-349/029

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Description :

Apparatus for Demonstrating Waves with Elastic Springs (Product Code: SCL-349/029) is a two-spring wave demonstration set used to show longitudinal and transverse waves in school and college physics lessons. Its larger spring, 8 cm in diameter, can be extended up to 5 m across a floor or bench so pulses stay visible to a whole class, while a second 2 cm spring gives anarrower medium to compare. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**,an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Waves demonstrated	Longitudinal and transverse
Spring 1 – diameter	8 cm
Spring 1 – length (as listed)	13 cm
Spring 1 – maximum extension	Up to 5 m
Spring 1 – weight	0.6 kg
Spring 2 – diameter	2 cm
Spring 2 – length	1 m
Spring 2 – weight	0.5 kg
Product code	SCL-349/029
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Elastic Spring Wave Apparatus Used For?

Two students hold the ends of the large spring and stretch it along the floor. A quick sideways flick sends a transverse pulse along the coils, while a sharp push and pull along the axis sends a band of compressed coils travelling down the spring — a simple sound wave experiment that shows how air is squeezed and stretched as sound passes through it.

With one end held firmly, pulses can be seen reflecting and returning, and steady shaking at the right rate builds a standing wave. Because the springs differ in diameter and length, the 2 cm spring gives a second medium for comparing how pulses travel. Stretch the springs gradually, keep them off sharp edges, and release the tension slowly so the coils do not tangle.

What to Specify When Ordering

- How many sets you need — one for the teacher's bench, or one per student group for hands-on work.
- Whether you need both springs (8 cm and 2 cm) or extra springs of one size for group practicals — ask us.

OEM

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