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Product Name :

Metal Slinky, Helical Spring

Product Code :

SLE/PHY/243



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Description :

Metal Slinky, Helical Spring (Product Code: SLE/PHY/243) is a steel helical coil spring used to demonstrate different types of waves in school and college physics lessons. Its 75 mm coil diameter gives a wide spring that is easy for a class to watch as a teacher or two students send pulses along it across a bench or floor. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Material	Steel
Form	Helical coil spring
Coil diameter	75 mm
Closed length	100 (unit not stated in the original listing — ask us to confirm)
Purpose	Demonstrating different types of waves
Product code	SLE/PHY/243
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is a Metal Slinky Used For?

Stretched out on a smooth floor or long bench, the spring shows both main wave types. Pushing one end back and forth sends a longitudinal wave of compressions and rarefactions along the coils, while flicking the end sideways sends a transverse pulse. Students can watch pulses reflect from a held end, see two pulses pass through each other and set up standing waves by shaking at a steady rate.

Timing a pulse over a measured length gives a simple estimate of wave speed, and changing the stretch shows how tension affects it, which makes the spring a good hands-on start to any wave motion unit in school. Tie a short piece of coloured thread to one coil so the motion of a single point is easy to follow. Avoid over-stretching or tangling the spring, and store it closed so the coils keep their shape.

What to Specify When Ordering

- The number of springs: one for demonstration or one per pair of students.
- Whether you need the closed length confirmed before ordering, as the listing does not state its unit.
- Whether other wave apparatus, such as a ripple tank, should be quoted for the same topic.

OEM Manufacturer

ScienceLab is the trading name of Jain Scientific Equipments Private Limited, the OEM (original equip
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