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Product Name :

Wave Form, Helix

Product Code :

SLE/PHY/319



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Description :

Wave Form, Helix (Product Code: SLE/PHY/319) is a long, close-wound steel wire spring usedto demonstrate transverse and longitudinal waves across a classroom floor or bench in schooland college physics. Its 20mm diameter coils close to about 3 metre and stretch to approximately9 metre, giving pulses room to travel slowly enough for students to follow. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Construction	Steel wire, close-wound helix
Coil diameter	20mm
Ends	Looped
Closed length	3 metre
Extended length	Approx. 9 metre
Product code	SLE/PHY/319
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Wave Helix Used For?

Stretch the helix along the floor between two students, or hook one looped end to a fixed point. A quick sideways flick sends a transverse pulse along the coils, while a sharp push along the axis sends a longitudinal pulse of compressions and rarefactions, the same pattern as a sound wave. Students can then watch pulses reflect from a fixed end, see how two pulses pass through each other, and set up standing waves by shaking one end steadily.

As part of a wave motion kit for schools in India or abroad, the long 9 metre stretch is the key advantage: pulses travel far enough to time with a stopwatch, and changing the stretch shows how tension affects wave speed. Never let a stretched helix go suddenly, and keep the coils from tangling or kinking, as a kinked steel spring does not recover its shape.

OEM Manufacturer

Jain Scientific Equipments Private Limited, trading as ScienceLab, manufactures the Wave Form, Helix as the original equipment manufacturer. It is wound and finished at the company's own licensed factory at Saha, Ambala, Haryana, India, and sold directly by the maker to schools, colleges, dealers and importers instead of through a trading house. That means quotations, repeat orders and replacement requests all come back to the factory that made it. See our company profile for more.

Rela

Other

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