



WAVE DEMONSTRATION SPRING SET

Cat: SW4260-001 wave demonstration springs

DESCRIPTION:

The IEC 'Demonstration Springs' are special springs used in the classroom for the study of wave motion. The short fat spring is sometimes called a "slinky spring"

SW4260-001 wave demonstration springs



Pack size: 200x105x105mm LxWxH

Weight: 1.1 kg

Kit of 2x special springs used for the study of wave motion.

- Spring #1: approx. 70mm diameter x 100mm long. Stretches to approx. 10M long. This is sometimes called a "slinky spring". Can be purchased separately as PA4260-002
- Spring #2: approx. 20mm diameter x 1800mm long. Stretches to approx. 10M long. Can be purchased separately as PA4260-003

Both springs are electroplated against corrosion and the steel is of high quality so that each spring recovers to its original shape after use. **CAUTION:** But, if the springs are abused and stretched severely, they can become strained and not return to their original shapes.



Experiments can be performed relating to the following wave motion phenomena:

- Graphical representation and analysis of pulses and waves.
- Periodic waves, their amplitudes and periods.
- Wave reflections from fixed and moving ends.
- Transverse waves.
- Longitudinal waves.
- Standing waves.

All the experiments performed on the floor by these springs are described in your class physics text books or in class experiment notes.

Individual replacement springs: 70mm diam. x 100mm long Cat: PA4260-002

20mm diam. x 1800mm long Cat: PA4260-003

Designed and manufactured in Australia