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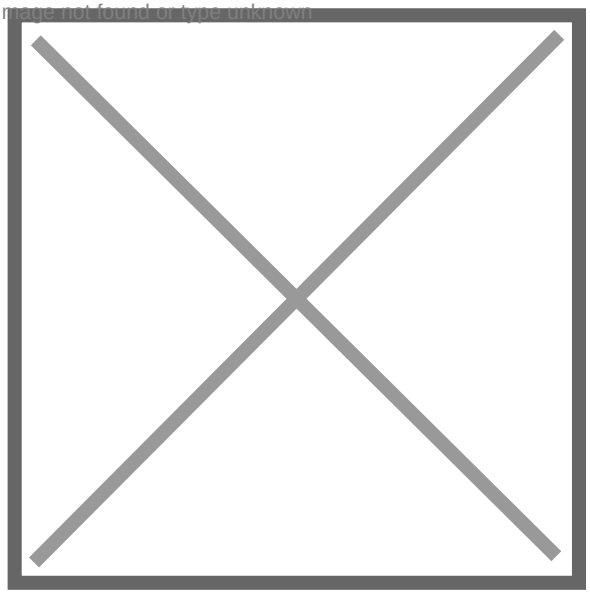
Product Name :

Law of Parallelogram Apparatus (Gravesande Apparatus)

Product Code :

SCL218/09

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Description :

Law of Parallelogram Apparatus (Gravesande Apparatus) (Product Code: SCL218/09) is a force board used to verify the parallelogram law of vector addition of forces in school and college physics labs. It has a board of about 65 x 50 cm, two 50 mm aluminium pulleys that clamp anywhere on the board, three mass hangers and twelve 50 g brass slotted masses, with a stand. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Board size	About 65 x 50 cm
Pulleys	Two, aluminium, 50 mm diameter, on clamps
Pulley mounting	Clamps fix the pulleys on the board at any desired position
Mass hangers	Three
Slotted masses	12 x 50 g
Mass material	Brass
Stand	Supplied
Product code	SCL218/09
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Parallelogram Law Apparatus Used For?

Often called Gravesande's apparatus, the board is set upright on its stand with a sheet of paper pinned to it. A thread passes over both pulleys with a hanger at each end, and a third hanger is tied to the thread between them. When the three loads come to rest, students mark the thread directions, draw two forces to scale as adjacent sides of a parallelogram and check that the diagonal matches the third load in size and direction.

Moving the clamped pulleys changes the angles, so each group can repeat the test with new settings; the same set-up can also find an unknown weight. Tap the board gently before marking to reduce pulley friction, and keep the knot and hangers clear of the board. It is standard mechanics lab equipment for the vector-addition practical in senior school physics.

What to Specify When Ordering

- Number of complete sets, each with board, two pulleys, three hangers, twelve 50 g masses and stand.
- Whether extra 50 g slotted masses or hangers should be quoted for heavier loads.
- Consumables for plotting, such as thread and board pins, if you want them in the same

OEM

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