Email : sales@scilabexport.com
Phone: +91-7082934803

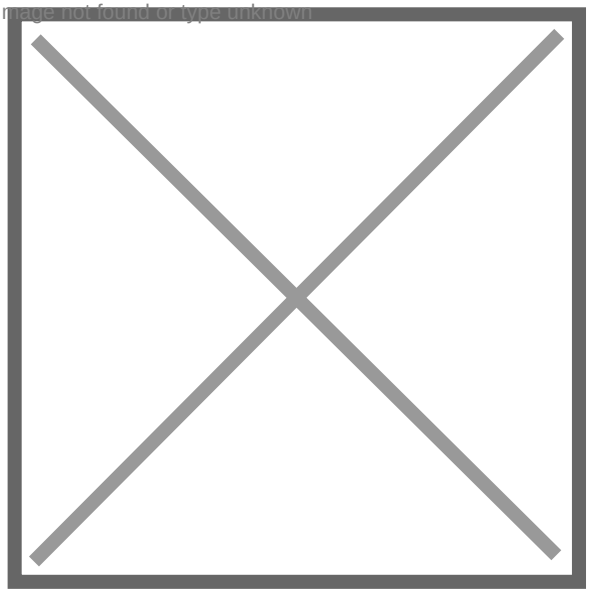
Product Name :

Slope Plane Body Demonstration Apparatus

Product Code :

SCL-281/010

Image not found or type unknown



Email : sales@scilabexport.com
Phone: +91-7082934803

Description :

Slope Plane Body Demonstration Apparatus (Product Code: SCL-281/010) is an inclined-plane apparatus used to study how a body moves on a sloping surface and which forces act on it, in school physics lessons. It consists of a sloping wooden plane, spring scales for weighing and pulling the bodies, and a reel with a long thread, so students can measure the pull needed to move a body up the slope. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer and laboratory equipment supplier in India, at its own factory in Ambala.

Key Details

Parameter	Detail
Plane	Sloping wooden plane
Force measurement	Spring scales for the bodies used on the plane
Thread	Reel (scroll) with an elongated thread
Product code	SCL-281/010
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Slope Plane Apparatus Used For?

The inclined plane is one of the simple machines, and this apparatus lets students test the idea directly. They first weigh a body by hanging it from a spring scale, then attach the thread and pull it steadily up the wooden slope with the same scale. The pull along the slope is noticeably smaller than the weight, showing how a ramp trades a longer distance for a smaller force.

The readings lead naturally to resolving the weight into components along and across the slope, and to the role of friction: pulling a body up and then letting it slide down shows friction acting in opposite directions. As an inclined plane apparatus for school practicals, it works well in small groups. Keep the wooden surface clean and dry, pull parallel to the slope, and let the scale settle before reading it.

What to Specify When Ordering

- The number of sets — one per group suits hands-on work.
- The loads you plan to use, so the spring scale ranges supplied can be confirmed with you — ask us.
- The delivery location for packing and freight.

OEM Manufacturer

ScienceLab, the trade name of Jain Scientific Equipments Private Limited, is the OEM (original equipment manufacturer) of the Slope Plane Body Demonstration Apparatus. The wooden plane and its accessories are produced at the company's own licensed factory at Saha, Ambala, Haryana, India, and supplied factory-direct to schools, colleges, dealers and importers. Because the m swer — as