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Product Name :

Pulley, Metal, Double, Parallel

Product Code :

SLE/PHY/277



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Description :

Pulley, Metal, Double, Parallel (Product Code: SLE/PHY/277) is a pulley block with two 50 mm wheels mounted in parallel in a metal frame, used to set up multi-string pulley systems for mechanical advantage experiments. With two hooks on the frame, it can hang from a support as the fixed block or travel with the load as the moving block. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Type	Double, parallel
Wheels	Two, 50 mm diameter
Material	Metal
Frame	Metal, with 2 hooks
Product code	SLE/PHY/277
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Parallel Double Pulley Used For?

Two wheels on one block let a class build a four-string block and tackle when a pair of these pulleys is used together, one fixed above and one moving with the load. Students then find that the effort needed is roughly a quarter of the load while the string must be pulled four times as far, the classic demonstration of mechanical advantage and velocity ratio in a school pulley system lab.

Because both wheels are the same 50 mm size, the supporting strings share the load evenly, which keeps the arithmetic simple for younger students. Hang the fixed block from a rigid stand, pass the string over each wheel in turn, and watch that it does not jump from one groove to the other as masses are added. Measuring the real effort with a spring balance then shows how friction lowers efficiency below the ideal value.

What to Specify When Ordering

- Number of blocks: two per group gives a four-string system.
- Masses, hangers and a spring balance for load and effort.
- Stands or a frame from which to hang the fixed block.

OEM Manufacturer

Jain Scientific Equipments Private Limited, trading as ScienceLab, is the original equipment manufacturer of this parallel double pulley and produces it at its own licensed factory at Saha, Ambala, Haryana, India. Schools, colleges and dealers buying mechanics apparatus receive quota lers by as

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