Science Lab

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Product Name :

Pulley, Metal, Double

Product Code :

SLE/PHY/276



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Description :

Pulley, Metal, Double (Product Code: SLE/PHY/276) is a tandem metal pulley block with 50 mm and 38 mm wheels, used to build block-and-tackle systems and study mechanical advantage in school physics. Its open-sided frame, with a hook at each end, lets students string it up quickly without any threading, and both pulleys run on ball bearings. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer of mechanics lab equipment in India, at its own factory in Ambala.

Specifications

Parameter	Detail
Arrangement	Tandem metal pulleys
Type	Double
Pulley diameters	50 mm and 38 mm
Bearings	Ball bearings
Frame	Open-sided, with hooks at each end
Stringing	Quick and easy; no threading involved
Product code	SLE/PHY/276
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Double Metal Pulley Used For?

Paired with a single pulley or a second double block, it forms a pulley system in which the load is shared between several string segments. Students measure the effort, the load and the distances each one moves, then calculate mechanical advantage, velocity ratio and efficiency. With two wheels in one block, a group can rig systems with a higher velocity ratio than single pulleys allow, and the ball bearings keep frictional losses small so efficiency figures stay realistic.

The open-sided frame is the practical advantage in class: the string is simply laid over each wheel instead of being threaded through, so groups can change from one arrangement to another in moments. Hang the block from a firm support by its top hook, attach loads to the bottom hook, and keep the string seated in the grooves as masses are added. It is a flexible pulley system for the school lab.

What to Specify When Ordering

- Number of double blocks, plus single pulleys if you plan block-and-tackle systems.
- Slotted masses and hangers for the load, and a spring balance for measuring effort.
- Stands or a support frame to hang the pulleys from.

OEM Manufacturer

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Metal… …he
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