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Product Name :

Pulley, Plastic, Double, Parallel

Product Code :

SLE/PHY/280



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Description :

Pulley, Plastic, Double, Parallel (Product Code: SLE/PHY/280) is a pair of 50 mm plasticpulleys mounted in parallel on a steel frame, used to build compound pulley systems in schooland college mechanics labs. The frame has a hook at each end, measures 8.9 cm overall and is capable of holding over 13 kg, which gives a good margin for classroom loads. 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
Pulleys	Two, plastic, 50 mm diameter
Frame	Steel, with hooks at each end
Overall length	8.9 cm
Load capacity	Capable of holding over 13 kg
Inner gap of pulley	4 mm
Product code	SLE/PHY/280
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Plastic Parallel Double Pulley Used For?

The block combines light plastic wheels with a strong steel frame, so it can serve as either the fixed or the moving block in a block and tackle. Two of them give four supporting strings; paired with a single pulley they give three. Students measure the effort with a spring balance, compare it with the load and work out mechanical advantage, velocity ratio and efficiency for each arrangement in their pulley system lab work.

The 4 mm inner gap of each pulley suits laboratory string or thin cord, while thicker cord may bind in the groove. The rated capacity of over 13 kg means the block copes comfortably with the slotted masses used in school practicals. Hang the upper block from a rigid support, keep the strings parallel and untwisted, and add masses gradually.

What to Specify When Ordering

- Number of blocks per group; two blocks give a four-string system.
- String or cord that fits the 4 mm pulley gap.
- Masses, hangers and spring balances to be quoted with the pulleys.

OEM Manufacturer

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