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Product Name :

Pulley, Plastic, Triple, Parallel

Product Code :

SLE/PHY/281



Description :

Pulley, Plastic, Triple, Parallel (Product Code: SLE/PHY/281) is a pulley block with three 50 mm plastic pulleys mounted in parallel in a metal frame with two hooks, used for high-ratio block-and-tackle experiments in physics laboratories. When two blocks are used together, students canbuild systems with six supporting strings and see mechanical advantage rise with every added segment. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Type	Triple, parallel
Pulleys	Three, plastic, 50 mm diameter
Frame	Metal, with two hooks
Product code	SLE/PHY/281
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Triple Pulley Block Used For?

A triple block is the step up from single and double pulleys when students investigate how mechanical advantage depends on the number of supporting strings. Two triple blocks give a six-string tackle, and one triple with a double gives five. Measuring effort and distance moved for each arrangement shows that the effort falls as the length of string pulled grows, and that friction lowers efficiency as more wheels are added.

Keep the strings in order when rigging: work from the fixed block to the moving block one wheel at a time so that segments do not cross. Younger students find rigging easier if each wheel is marked with a small dot of colour. The plastic wheels keep the moving block’s own weight low, which helps when efficiency is calculated, and make this a useful addition to any set of mechanics lab equipment.

What to Specify When Ordering

- Number of triple blocks; two per group give a six-string tackle.
- Double or single pulleys to combine with it.
- Masses, hangers, a spring balance and a rigid support.

OEM Manufacturer

The Pulley, Plastic, Triple, Parallel is manufactured by Jain Scientific Equipments Private Limited, which trades as ScienceLab and is the OEM for its pulley range. Production takes place at the company’s own licensed factory at Saha, Ambala, Haryana, India, and the blocks are supplied direct to schools, colleges, laboratory dealers and importers. Extra blocks or replacements for an existi
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