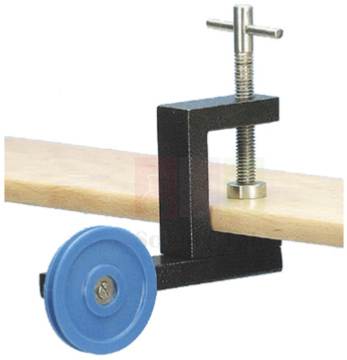
Email : sales@scilabexport.com
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**Product Name :**

Pulley, Bench Mounting, Ball Bearing

**Product Code :**

SLE/PHY/275



Email : sales@scilabexport.com
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# Description :

**Pulley, Bench Mounting, Ball Bearing** (Product Code: SLE/PHY/275) is a 50 mm nylon pulley with a ball bearing, carried on an aluminium boss, used to guide a string and hanging mass in bench mechanics experiments. Tapped holes let the pulley be fitted with its axis of rotation in any one of three planes, and the boss clamps onto rods up to 13 mm in diameter. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

## Specifications

| Parameter | Detail |
|---|---|
| Type | Bench mounting |
| Pulley | 50 mm diameter, nylon, with ball bearing |
| Boss | Aluminium, 20 x 20 x 110 mm |
| Rod fixing | Hole and clamping screw, accepts rods up to 13 mm diameter |
| Pulley orientation | Tapped holes allow the axis of rotation in any one of three planes |
| Product code | SLE/PHY/275 |
| Manufacturer | Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM |
| Country of origin | India (made in Ambala, Haryana) |

## What Is the Bench Mounting Pulley Used For?

The pulley turns the pull of a hanging mass into a horizontal force on a trolley, block or string, the basic set-up for Newton’s second law, friction and acceleration practicals. Its ball bearing keeps friction at the axle low, so more of the falling mass’s weight goes into accelerating the system and results come closer to theory. Because the wheel can be re-fitted in any of three planes, the same unit can also carry a string round a corner of the apparatus, which makes it a versatile piece of mechanics lab equipment.

Clamp the boss firmly on a support rod of up to 13 mm diameter, check that the string runs in the groove without rubbing the boss, and keep the bearing free of dust and grit. Thin, low-stretch string gives the most consistent readings from one run to the next.

## What to Specify When Ordering

- Number of pulleys per bench or student group.
- The diameter of the support rods you use (the boss accepts up to 13 mm).
- Slotted masses, hangers or stands to be quoted with the pulleys.

## OEM Manufacturer

ScienceLab is the trading name of Jain Scientific Equipments Private Limited, which manu
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