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Product Name :

Bucket & Cylinder, (Large)

Product Code :

SLE/PHY/26



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Description :

Bucket & Cylinder, (Large) (Product Code: SLE/PHY/26) is a brass bucket-and-cylinder unit used to demonstrate Archimedes' principle in school and college physics laboratories. Its larger60 mm size, 160 mm overall, gives the whole class a clear view when the teacher runs the experiment at the front bench. The unit is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India, and is part of itsphysics lab equipment range.

Specifications

Parameter	Detail
Principle demonstrated	Archimedes' principle (buoyancy)
Material	Brass
Size	60 mm; overall 160 mm
Bucket	Suspension loop at the top and a hook at the bottom
Cylinder	Suspension hook at one end
Suitable for	Class demonstration or individual use
Product code	SLE/PHY/26
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Large Bucket and Cylinder Used For?

The bucket and cylinder is the classic way to show that the upward thrust on an immersed body equals the weight of liquid it pushes aside. The bucket hangs from a spring balance by its top loop and the cylinder hangs from the bucket's bottom hook. When the cylinder is lowered into water the balance reading falls; filling the empty bucket with water brings the reading back, because in the classic demonstration the cylinder matches the inside of the bucket.

The large version suits teachers who want a bigger, easier-to-follow set-up during a lecture demonstration, while still being simple enough for a student to repeat the experiment afterwards. Use a vessel deep enough to cover the cylinder completely, and dry the brass after use. It is a staple item of mechanics lab equipment in India for classes studying buoyancy, floating and sinking.

What to Specify When Ordering

- Size: this large unit (60 mm, overall 160 mm) or the smaller Bucket & Cylinder, Small.
- Use: one set for teacher demonstration or several sets for individual student work.
- Any spring balance or water vessel you also want quoted with the sets.

OEM Manufacturer

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