Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Mass, Cast Alloy, Hanger

Product Code :

SLE/LB/35



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Description :

The Mass, Cast Alloy, Hanger pack contains three 50g hangers cast in alloy, each with a stated accuracy of 1%. The hangers carry flat slotted masses that have a large central hole and a small slot, so a class can hang loads at three points at once or replace hangers lost from older sets.

Cast alloy hanger pack specifications

Parameter	Detail
Item	Mass hanger, 50g each
Pack size	3 hangers
Material	Cast alloy
Accuracy	1%
Compatible masses	Flat masses with a large central hole and a small slot that stops them sliding off
Product code	SLE/LB/35
Minimum order	10 units
Dispatch	Usually within 7 to 10 working days
Manufacturer	ScienceLab (Jain Scientific Equipments Pvt Ltd), Ambala, India

Multi-load force practicals with three hangers

Parallelogram of forces. Pin a sheet of paper to the board of the law of parallelogram apparatus and run a thread over its pulleys, with a hanger at each end and the third hanger tied to the middle. Load all three, let the knot settle, and mark the thread lines. Two loads drawn to scale as sides of a parallelogram should give a diagonal equal and opposite to the third.

Holding a trolley on a slope. Raise one end of a smooth board, rest a dynamics trolley on it and run a cord, parallel to the board, from the trolley over a bench pulley clamped at the top to one hanger. Add flat masses until the trolley stays at rest. Repeat at steeper angles and compare the hanging load with the trolley's weight times the sine of the angle.

Three springs side by side. Hang three different springs from a set of springs on the rod of a retort stand, one hanger on each, and note every pointer. Add the same flat mass to each hanger in turn, measure the extensions and plot all three lines on one graph to rank the springs by stiffness.

Frequently Asked Questions About the Mass, Cast Alloy, Ha

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