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

Product Name :

Slotted Mass Hanger, 500g

Product Code :

SLE/LB/29



Science Lab
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Description :

The Slotted Mass Hanger, 500g gives a half-kilogram starting load for springs, pulley cords and wires before large slotted masses are added. It is a large format cast hanger. It comes as the hanger alone, so the masses that stack on it are bought separately.

500g slotted mass hanger specifications

Parameter	Detail
Type	Large format slotted mass hanger (cast masses range)
Nominal hanger mass	500g (0.5 kg)
Supplied as	Hanger only (slotted masses not included)
Product code	SLE/LB/29
Minimum order	10 units
Dispatch	Usually within 7 to 10 working days
Manufacturer	ScienceLab (Jain Scientific Equipments Pvt Ltd), Ambala, India

Pulley and spring work with the 500g hanger

Mechanical advantage of a pulley block. Hang the 500g hanger from the lower block of a pulley demonstration set as the load, and pull on the effort string through a spring balance so the load rises slowly and steadily. Measure how far the effort and the load move, then repeat with slotted masses added to the hanger.

Atwood's machine. Clamp a rod-mounted pulley high on a retort stand and hang two 500g hangers from the ends of a light cord. Add a small slotted mass to one side, time its fall over a measured height, and compare the acceleration with the value predicted from the difference and the sum of the two masses.

Stiff springs. On a Hooke's law apparatus, use the hanger as the first load on a stiff steel extension spring, then add masses one at a time and read the pointer at eye level. Remove them in reverse order and check that the pointer comes back to its starting mark.

Frequently Asked Questions About the Slotted Mass Hanger, 500g

Why use two equal 500g hangers in Atwood's machine?

Two equal hangers balance each other, so only the small extra mass drives the moti ow enou ass on e