Email : sales@scilabexport.com
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Product Name :

Mass, Cast Alloy, 100g

Product Code :

SLE/LB/33



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Description :

The Mass, Cast Alloy, 100g gives each bench group light loads in 10 g steps, from the hanger alone up to 100 g. This small format set holds nine 10 g slotted masses and a 10 g hanger, all in cast alloy, so a whole class can be issued identical sets.

Cast alloy 100 g mass set specifications

Parameter	Detail
Type	Small format cast alloy mass and hanger set
Material	Cast alloy
Total mass	100g
Contents	9 x 10g slotted masses, 1 x 10g hanger
Load steps	10g, from 10g (hanger alone) to 100g
Product code	SLE/LB/33
Minimum order	10 units
Dispatch	Usually within 7 to 10 working days
Manufacturer	ScienceLab (Jain Scientific Equipments Pvt Ltd), Ambala, India

Weight, force and spring practicals with the cast alloy 100 g set

Weight against mass. Hang the hanger from a tubular plastic spring balance that reads in newtons and add the masses one at a time. Plot weight in newtons against mass in kilograms. The gradient of the line gives the gravitational field strength.

Oscillations of a loaded spring. Hang a steel extension spring from a stand, load it with the hanger and a few masses, and time several full oscillations. Repeat with more mass and plot the square of the period against the load.

Making a simple force meter. Fix a light spring to a retort stand with a card scale behind it. Mark the pointer position with the hanger alone, then again after each added 10 g mass, and the marked card becomes a homemade spring balance.

Frequently Asked Questions About the Mass, Cast Alloy, 100g

What is the difference between the mass and the weight of this set?

Mass is the amount of matter, and the full set has a mass of 100 g wherever it is taken. Weight is the pull of gravity on that mass, measured in newtons, so on the Moon the same set would weigh about one sixth as much.

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