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Product Name :

Mass Set, Brass, 1000g

Product Code :

SLE/LB/30



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Description :

The Mass Set, Brass, 1000g loads springs and pulley systems in equal 100 g steps up to one kilogram. This small form slotted set is made of brass and holds a 100 g hanger plus nine 100 g slotted masses. The hanger counts as the first step and ispart of the 1000 g total.

Specifications of the 1000 g brass slotted set

Parameter	Detail
Type	Small form slotted mass and hanger set
Material	Brass
Total mass	1000g, hanger included
Hanger	1 x 100g (included)
Slotted masses	9 x 100g
Load steps	100g steps, from 100g (hanger alone) to 1000g
Product code	SLE/LB/30
Minimum order	10 units
Dispatch	Usually within 7 to 10 working days
Manufacturer	ScienceLab (Jain Scientific Equipments Pvt Ltd), Ambala, India

Spring and pulley work with the 1000 g brass set

Force and extension of a stiff spring. Clamp the spring on the Hooke's law apparatus, note the pointer position, then hang the hanger and add the brass masses one at a time. Record each extension and plot weight against extension. The straight part of the graph gives the spring constant.

Springs in series and in parallel. Take two springs of equal stiffness from a set of springs and hang them side by side under a bar, then end to end. Load each arrangement in 100 g steps and compare the extensions with those of a single spring.

Effort against load in a pulley system. Build a block and tackle from two double metal pulleys, hang the loaded hanger from the lower block and pull the effort string through a force meter. Raise the load one mass at a time and work out the mechanical advantage at each step.

Frequently Asked Questions About the Mass Set, Brass, 1000g

How should the masses be stacked so they stay on the hanger?

Slide
from
hang

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