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Product Name :
Bifilar Trifilar Suspension Apparatus

Product Code :
LBNY-0005-10100074



Description :

The bodies used in the experiments have strong steel hooks for attachment to the suspension cords. The length of the cords can be rapidly changed and securely fixed using clamping wheels. The model permits oscillations on pendulums with bifilar or trifilar suspension to be investigated. The beam can oscillate, by translation, in the plane of suspension like an ideal mathematical pendulum. The cylinder and the circular ring work as rotary pendulums. For this purpose a bar, a cylinder, or a hollow cylinder made of galvanised steel can be hung from a wall mounted carrier plate made of aluminium and placed in oscillation.

Technical Specification :

Bar made of galvanised steel
cylinder made of galvanised steel
Quick-action clamp for the suspension cords
Hollow cylinder made of galvanised steel
Suspension cord length up to 2000mm possible
Rotary and pendulum oscillation experiments with 3 different bodies on bifilar / trifilar pendulums

Technical data:

Bars
Lxwxh: 40x40x160mm
Mass: 2kg
Base plate
Wxh: 200x250mm
Cylinder

Dxh: 160 x19mm

Mass: 3kg

Hollow cylinder

Outer diameter: 160mm

Inner diameter: 100mm

Height: 41mm

Mass: 4kg

Cord thread length: up to 2000mm

Dimensions and weight:

l x w x h : 205 x 200 x (2000) mm

Weight : approx. 12kg.



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