

Product Name :
Rolling Disk On Inclined Plane

Product Code :
TN859



Description :

Rolling Disk On Inclined Plane

Technical Specification :

Rolling Disk On Inclined Plane

The unit is perform the following experiments and investigations:

Learning Objectives / Experiments:

Proof of the law of falling bodies on the inclined plane

Influence of the mass of a body on its acceleration

Determine the mass moment of inertia by rolling experiment and pendulum experiment

Steiner's theorem

Specification:

Investigation of inertia in rotational motion

Proof of the law of falling bodies

Experimentally determine the mass moments of inertia

Rolling experiments on an inclined plane with height adjustment and three-point support

Pendulum experiments with a physical pendulum

Goniometer and spirit levels ensure precise alignment

Measure the time and the acceleration distance

Technical Data:

Roll track

Length: max.1000mm
Angle of inclination: 0°...7°
Disks
Mass: 320g and 620g
Diameter: 70mm and 100mm
Rotary axis
Diameter: 10mm
Distance to centre of gravity: 10mm
Dimensions and Weight
Length x Width x Height: 1180x480x210mm
Weight: 10kg

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