

Product Code . EL-TWL-11801

Equipment For Studying Rotational Motion



Description

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Description:-

This system enables to carry out a wide range of tests on centrifugal force, on angular momentum, and on rotational motion.

Proper adapters enable to mount sensors for supervising angular position, speed and acceleration.

The differences of the moment of inertia are high enough to be perceived by students even when they turn the system

manually.

A motor is connected to a support in order to impart a continuous rotation.

Provided with a unique set of accessories, this is the ideal tool for tests on couple and friction.

Training Program:-

Conservation of angular momentum, with a mass point

Rotational inertia of a mass point

Conservation of angular momentum, with disk and ring

Rotational inertia of a disk and of a ring - two axes

Centrifugal force

Rotational inertia of a (fixed and turning) offset disk

Conservation of angular momentum, projectile version

Specification:-

Adapters

Pulley and rod

Chronometer

Springs

Turning platform, base support 22 x 22 cm and track 51 x 4 cm

Disk Ø 23 cm

Ring, outer Ø 12,5 cm, inner Ø 10,5 cm

2 trucks (1 mobile, 1 steady)

Masses from binary

DC motor, 24 V, 1500 rpm




Accessories for studying centrifugal force

Pulley from binary

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Training Program:- Conservation of angular momentum, with a mass point Rotational inertia of a mass point Conservation of angular momentum, with disk and ring Rotational inertia of a disk and of a ring - two axes Centrifugal force Rotational inertia of a (fixed and turning) offset disk Conservation of angular momentum, projectile version Specification:- Adapters Pulley and rod Chronometer

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