

DM243001

Rotation dynamics

Device to study the rotation of body submitted to a constant force.

School level

Senior high school.

Technical features

Aluminium frame with pivoting foot
 3 levels pulley
 6 inertial masses (200 g)
 2 cylindrical masses hooks (200 g – 100 g)
 Dimensions: 700 x 260 x 260
 Suitcase for accessories 240x200x45mm
 Weight: 2,480 kg
 Packaging: individual box.



Product advantages

- Only one device for the **4 main parameters** influencing on the rotation.
- **Easy storage** thanks to pivoting foot.
- **Scalable device** adding a cell, a chronometer and a data acquisition and processing software.

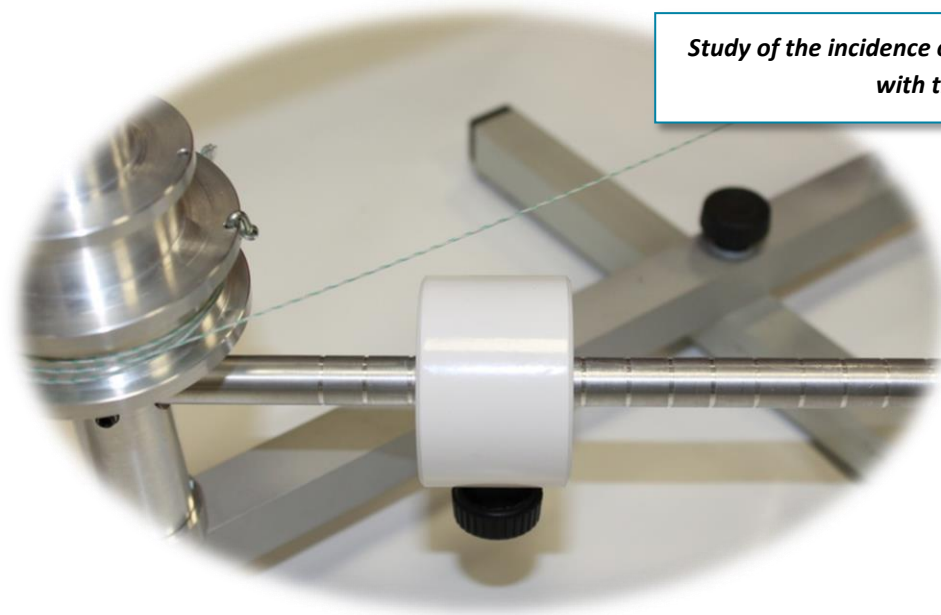
Examples of experiments

- Applied force (weight)
- Inertial mass
- Distance of inertial masses
- Gap of applied force (\emptyset pulleys)

Associated products

Chronometer + 2 optical sensors– **DM241012**

EXPERIMENTS



Study of the incidence of the distance between the inertial masses with the graduated mobile arm.



Study of the incidence of the applied force with the cylindrical masses hooks



Study of the incidence of the gap of applied force with the 3 levels pulley