



dynamics - inertia



DM810-1H Happy / unhappy balls
Two look-alike balls of varying elasticity
Diameter: 24 mm each

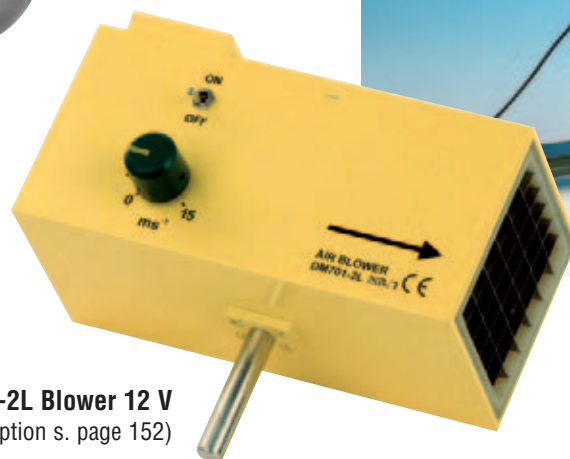


Experiment:
When the two balls are dropped onto a hard surface, one of them bounces back while the other one does not



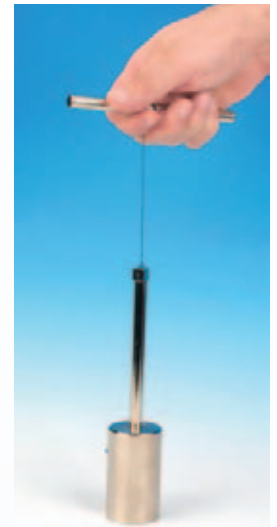
DM385-2S
Pendulum bob, steel,
D=1 inch

DM385-2T Pendulum bob,
Styrofoam, D=1 inch



DM701-2L Blower 12 V
(Technical description s. page 152)

Experiment:
Inertia and mass; the cord on the handle tears when the weight is lifted suddenly

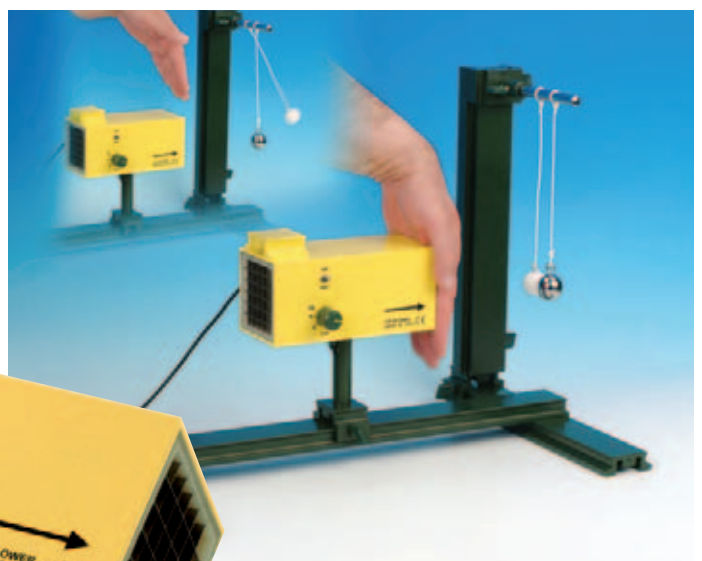


DM375-1G
Weight, 1kg

For explaining the concept of pressure and for demonstrating the magnitude of air pressure; may also be used in demonstrating inertia
Detailed description s. page 64

DM373-1T Handle with cord

For use in experiments on inertia; metal rod, D=10 mm, L=150 mm, nickel-plated, cord fixed at the centre, L = approx. 30 cm.



Experiment:
A body's inertia depends on its mass



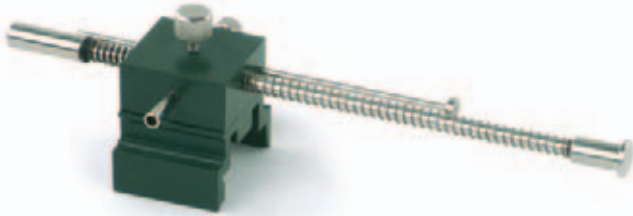
DM341-1S Projectile launcher

May be used as launcher for dynamics experiments involving a track, rail or with the ballistics apparatus DM341-1W (s. page 108); plastic block mounted on special profile with thrust pin and tension spring, metal adjustment screw for continuously varying thrust; retaining bracket may be adjusted continuously to ensure constant release velocity; special 4 mm jack for synchronously triggering an electrical timer;

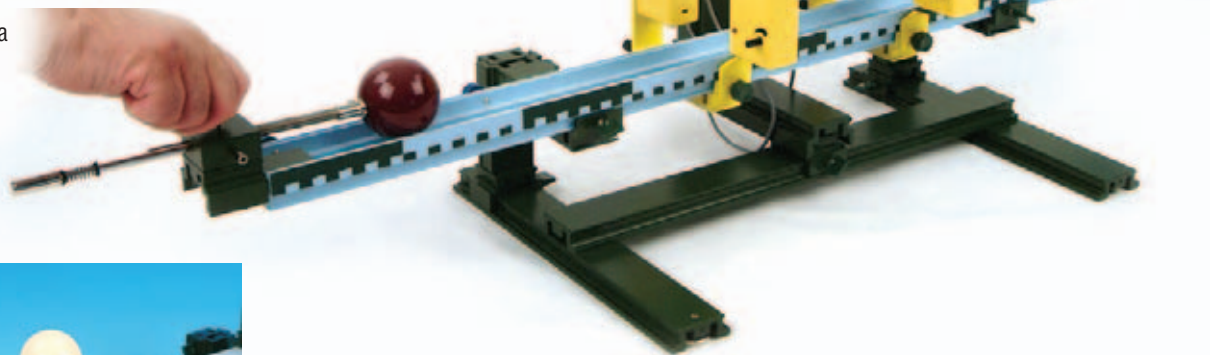
May be fastened to universal rails DS101-ff or profile pointer DM341-2Z of the catapult DM341-1W

Adjustable stroke distance: 0 ... approx. 90 mm

Dimensions: 240x54x70 mm

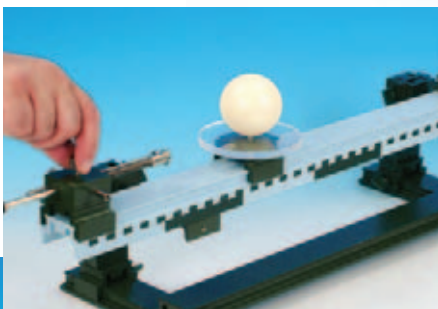


Experiment: Mass inertia

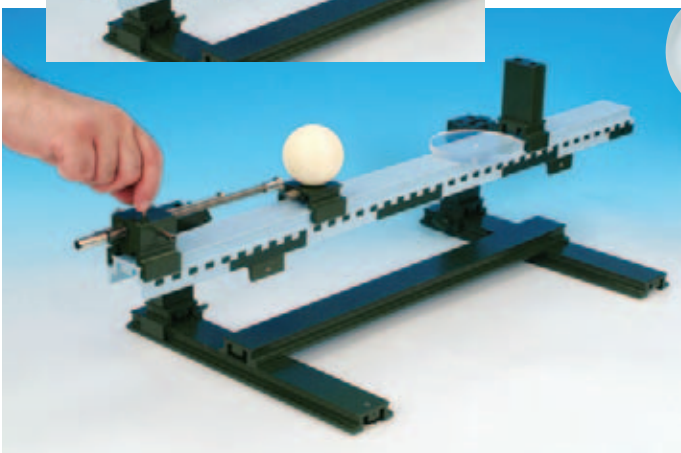


Detail:

Using the launching device on a rail



Experiment:
Mass inertia



DM360-5W Ball, plastic, white, D=60 mm

DM370-1A Plate for experiments with inertia

Acrylic disk with small recess at centre for holding ball DM360-5ff; Diameter: 100 mm

DM341-2A Ball holder for trolley

Accessory for demonstrating inertia; acrylic frame with two 4 mm plug pins and runner for "inertia ball"; ball D=48 mm, Dimensions (without pins): 116x48x60 mm

