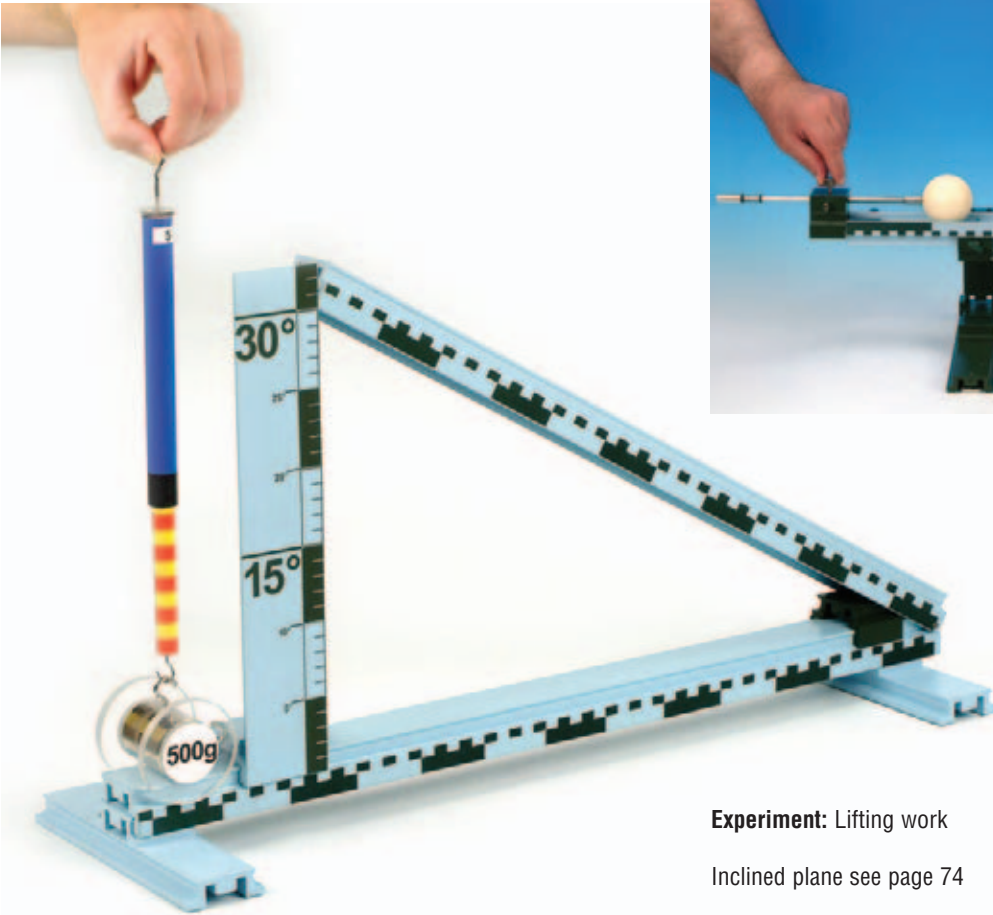
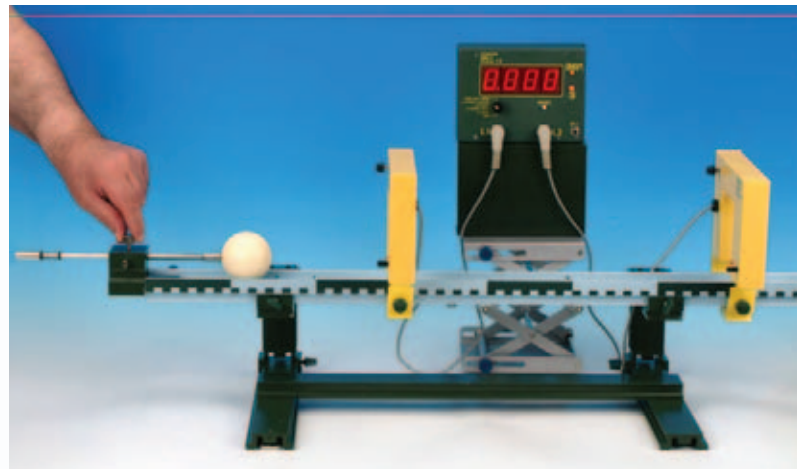


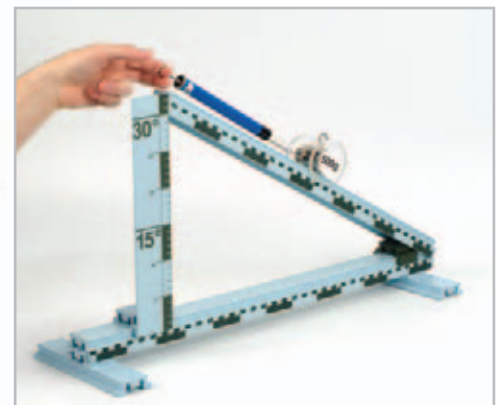
dynamics - preserve energy



Experiment: Lifting work
Inclined plane see page 74



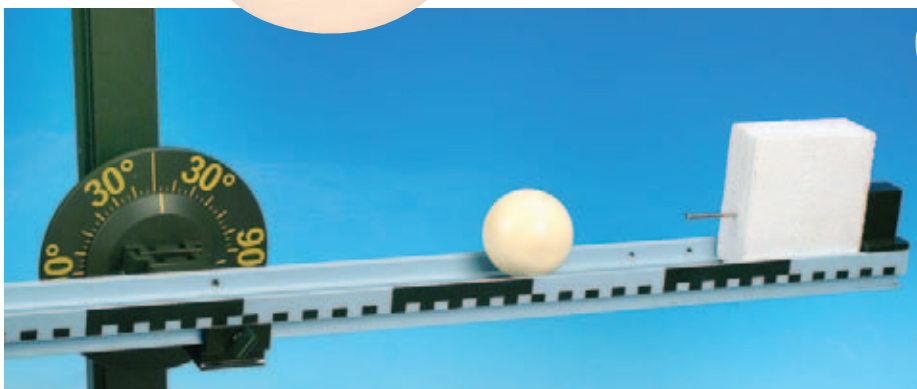
Experiment: Acceleration work



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



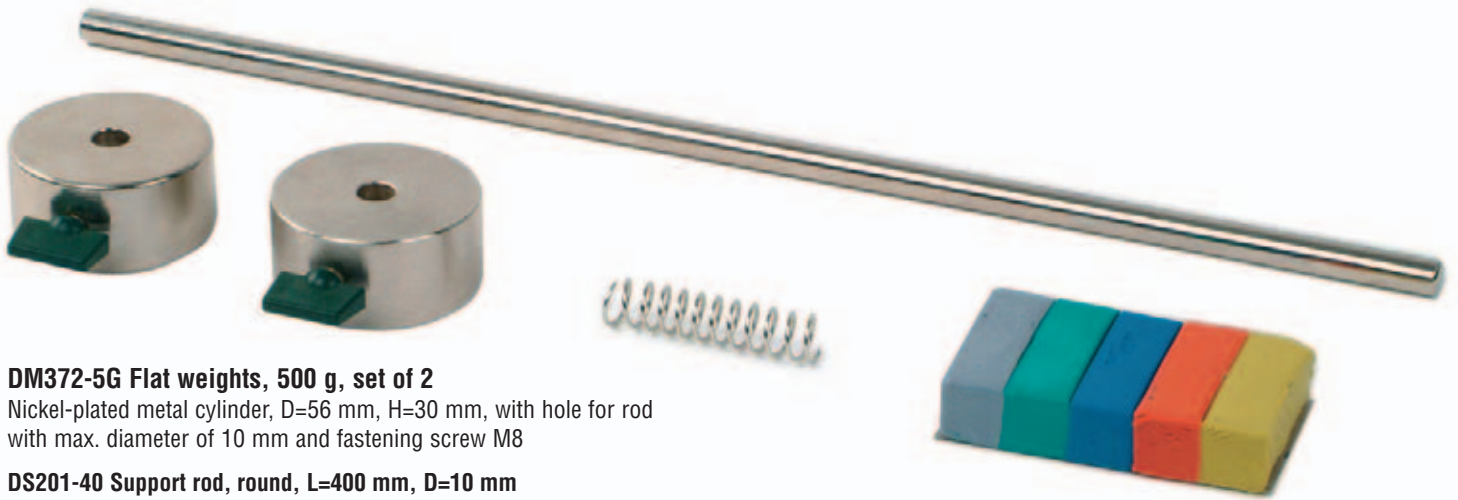
DG420-2S Styrofoam block
For experiments with potential energy
Dimensions: 100x40x100 mm



Experiment: Potential energy



dynamics - preserve energy



DM372-5G Flat weights, 500 g, set of 2
 Nickel-plated metal cylinder, D=56 mm, H=30 mm, with hole for rod with max. diameter of 10 mm and fastening screw M8

DS201-40 Support rod, round, L=400 mm, D=10 mm
 Nickel-plated steel rod

P1810-3S Coil spring for tensional energy
 Coil spring made from hardened steel for experiments in "potential and tensional energy"
 L= approx. 50 mm, D= approx. 13 mm

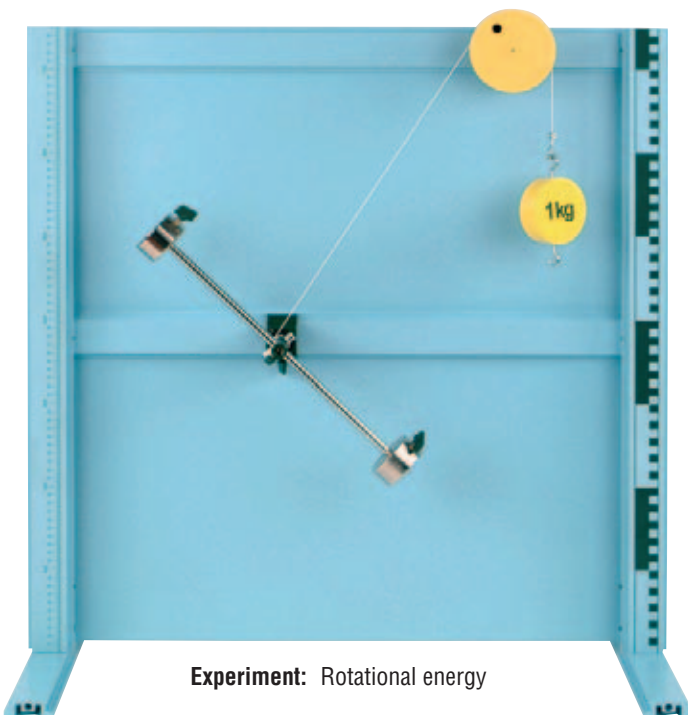
DG250-1P Plasticine, pack
 Set of 5 plasticine blocks in various colours
 Weight: approx. 120 g



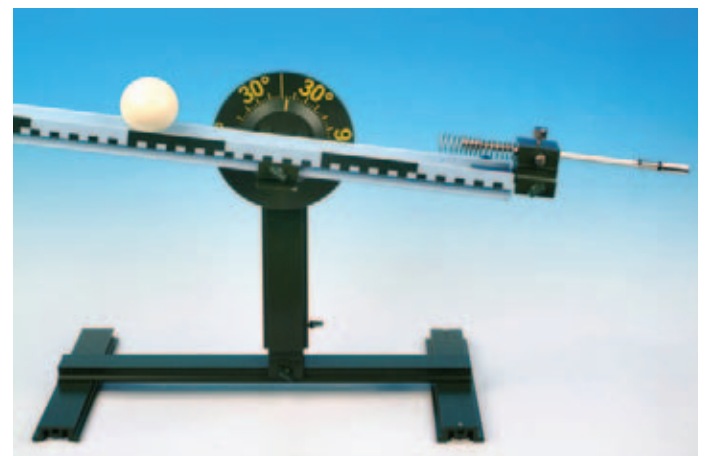
Experiment:
 Potential energy - deformation work



Experiment:
 Potential and tensional energy

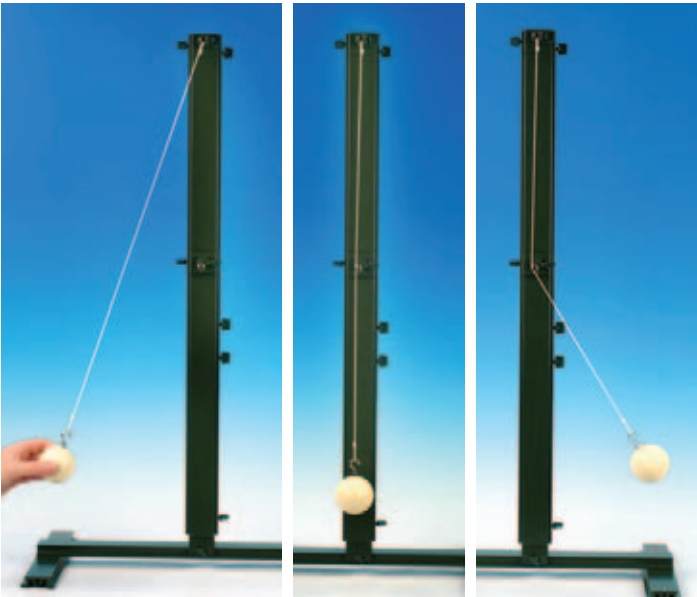


Experiment: Rotational energy



Experiment: Preserve energy

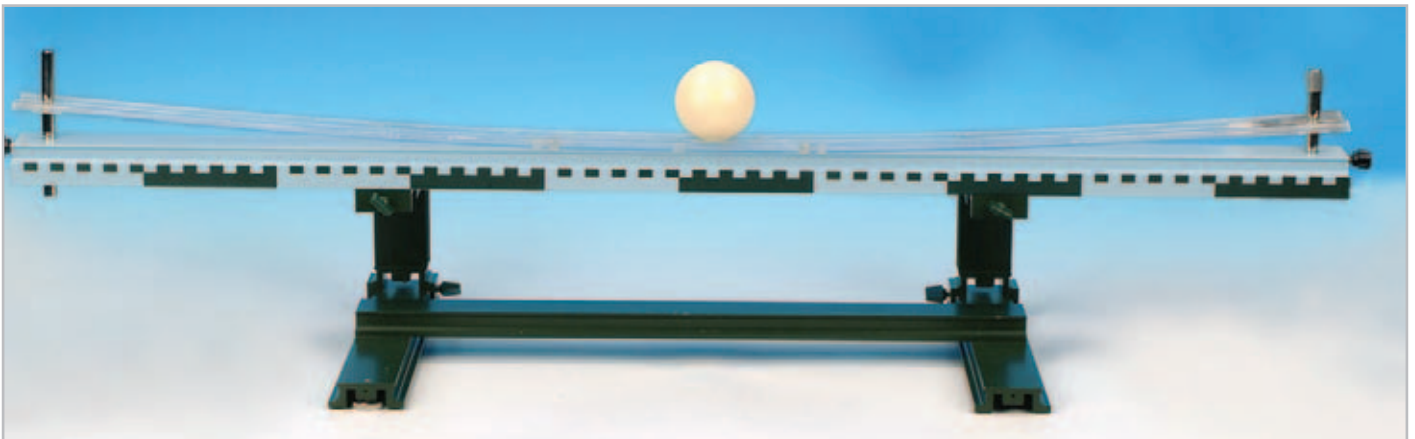
dynamics - preserve energy



Experiment: Conservation of energy in a pendulum

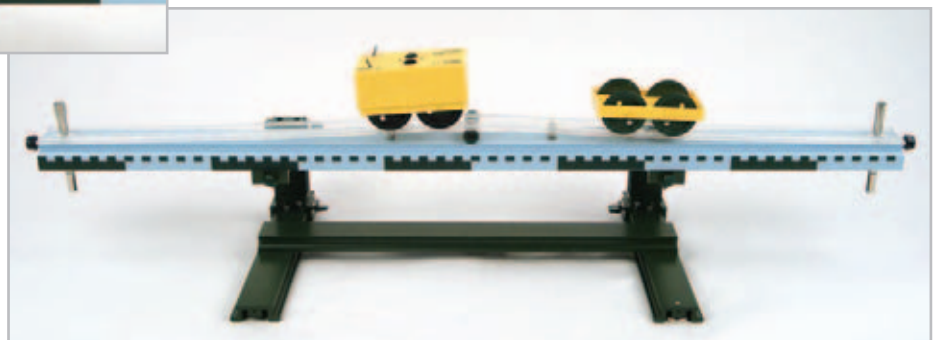


DM380-6K Ball, plastic, white, D=60 mm, tapped
For use as pendulum bob; M6 tapping for screwing in threaded hook DS102-3S
DS102-3S C-hook, threaded
DG200-1S Rope, white, D=1,7 mm, L=5 m



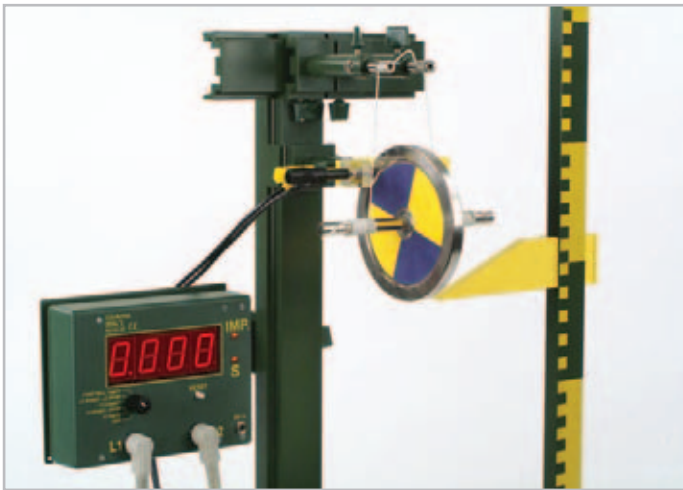
Experiments on the topic of: Potential energy - kinetic energy

Trolley with motor DM300-1A pushes dynamics trolley, demo DM300-2A





dynamics - preserve energy



Experiment:
Conservation of energy
in Maxwell's rod (with
time being recorded)

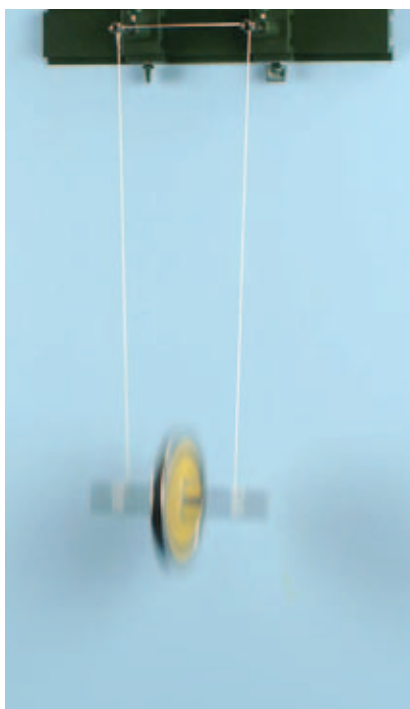


DM800-1M Maxwell's Wheel

For demonstrating conversion of energy; coloured metal wheel with axle, 2 holes through the axle for suspending from threads
Wheel D = approx. 125 mm,
Axle L = 170 mm,
Weight = approx. 750 g

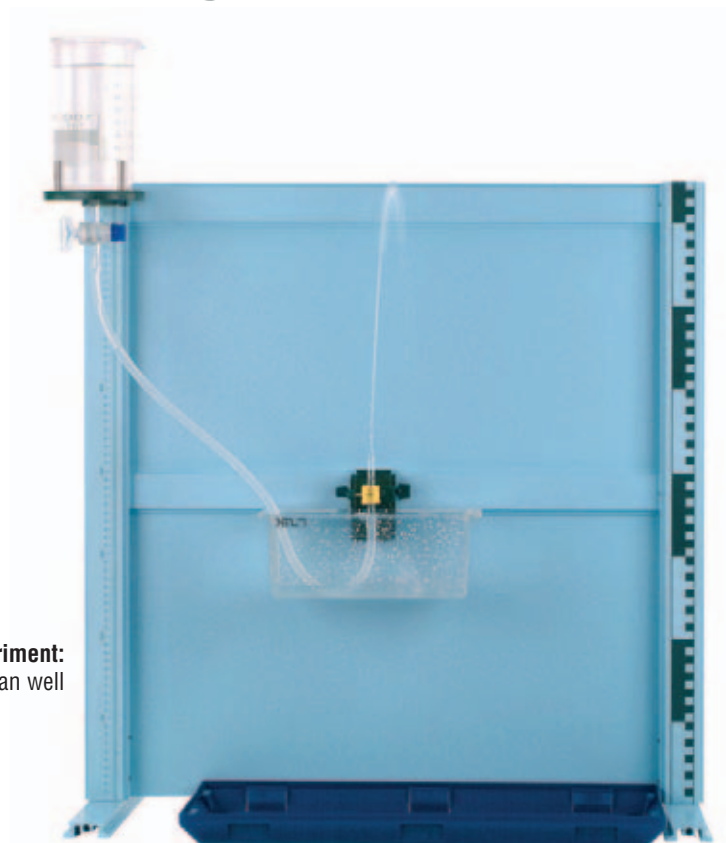
DM800-1S Support rods, pair

For holding and fastening cords or wires, e.g. cords for suspending Maxwell's wheel; support rods D=10 mm, L=80 mm, with metal nut on the front face



Experiment:
Conservation of energy in
Maxwell's rod

Experiment:
Artesian well



dynamics - preserve energy



DT605-1W Friction cylinder on support, set of 2

For demonstrating mechanical heat equivalent using the friction belt DT605-2B and thermometer "inno" DE722-T with thermo-sensor DT202-2T
2 solid aluminium rollers of the same diameter ($D=60\text{ mm}$, $L=66.6\text{ mm}$ and 33.3 mm), each with protruding edges and a yellow point, hole through axis $D=4\text{ mm}$; with support rod: $D=10\text{ mm}$, $L=40\text{ mm}$

DT605-2B Friction belt with loop

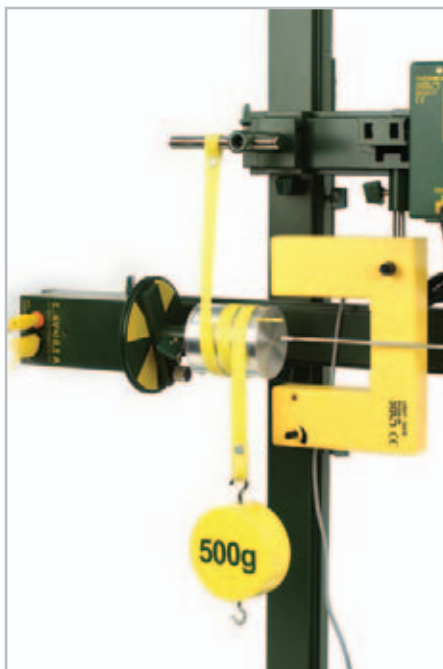
For measuring temperature changes of the friction cylinders DT605-1W
Wide plastic band with a loop at each end
 $L=$ approx. 60 cm , $W=12\text{ mm}$
additionally required: thermometer "inno" DE722-1T with thermo-sensor DT202-2T

Usable motoring drive:

DS403-1G Geared motor

DS403-2K Clamp socket adapter with fastening screw

DS403-3F Fixing screw M6



Experiment:
Friction and
thermal energy

