Masses with double hook

8 masses: 1 g (1pc); 2 g (2pcs); 5 g (1pc); 10 g (1pc); 20 g (1pc); 50 g (1pc); 100 g (1pc) **1352**

10 masses 10 g **1398**

10 masses 25 g **1399**

10 masses 50 g **1066**

1352 - 1398 - 1399 - 1066

Slotted masses

9 masses 10g + holder 10g. **1309**

9 masses 20g + holder 20g. **1310**

9 masses 50g + holder 50g. **1311**

9 masses 100g + holder 100g. **1312**

9 masses: 1g (1pc), 2g (2pcs), 5g (1pc), 10g (1pc), 20g (1pc), 50g (1pc), 100 g (1pc), 200 g (1pc) + holder 50 g. **1353**

1309 - 1310 - 1311 - 1312 - 1353

Rod for lever with stand 1354

Supplied with rectangular base, metal rod, pivot, bosshead, and 2 slotted masses code 1310.

1354

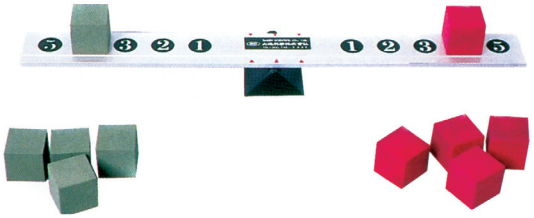
Rod for levers 1152

Aluminum rod, with holes and pivot. Length: 38 cm.

1152

Unequal-arms scale 1313

For experiments on the equilibrium of a lever. It is supplied with 10 masses.



1313

Aluminum pulleys

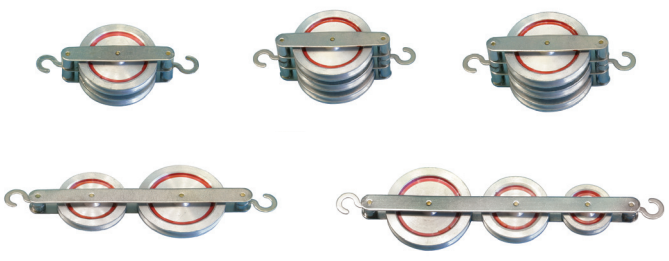
Simple pulley Ø50 mm **1058**

Parallel of two pulleys Ø50 mm **1059**

Parallel of three pulleys Ø50 mm **1060**

Series of two pulleys Ø40 - 50 mm **1061**

Series of three pulleys Ø30 - 40 - 50 mm **1064**



1058 - 1059 - 1060 - 1061 - 1064

Plastic pulleys

Simple pulley Ø50 mm **1227**

Parallel of two pulleys Ø50 mm **1160**

Parallel of three pulleys Ø50 mm **1266**

Series of two pulleys Ø 50 - 40 mm **1228**

Series of three pulleys Ø30 - 40 - 50 mm **1127**

Pulley Ø35 mm with perpendicular axes Ø6 mm **1009**

Pulley Ø50mm with longitudinal axes Ø8 mm **1157**

1227 - 1160 - 1266 - 1228 - 1127 - 1009 - 1157

Force Table 1166

It allows you to study vectorial forces composition.
Graduated metal disk, 400mm diameter. Height 500mm.

Equipment supplied

4 Pulleys	4 Slotted masses 50 g	
4 Masses holder 100 g	4 Slotted masses 20 g	4 String with rings
4 Slotted masses 100 g	4 Slotted masses 10 g	

1166

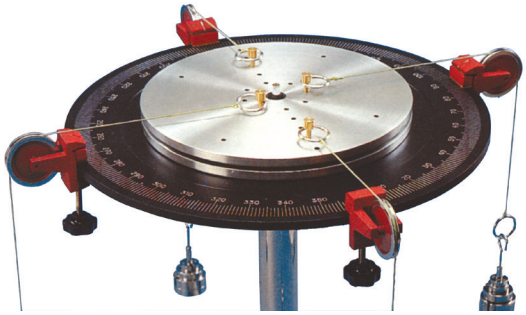
Spool of thread - 50 m 8153

Made of light, twisted nylon, it's thin and flexible.

8153

Disk of the momenta 1380

Accessory of our code 1166. It allows the study the equilibrium of the momenta.



1380

Equilibrium forces composition device 1032

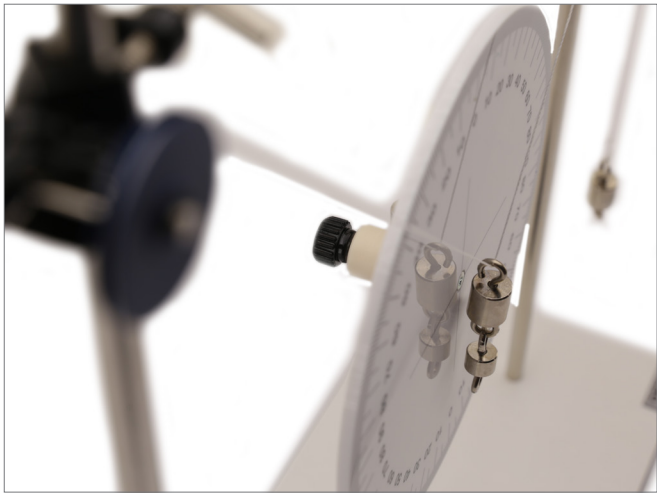
The equilibrium forces composition device allows the examination of the physics laws of concurrent forces composition - the parallelogram law and the parallel forces law.
Dimension: 45x17x60 cm.

Topics

- Forces composition
- Concurrent forces
- Parallel forces

Equipment supplied

1 String
1 Base with rod
2 S-shaped hooks
2 Double bossheads
2 Fixed pulleys
1 Rod with holes
6 10 g masses with double hook
6 25 g masses with double hook
1 200 mm diam. protractor
2 Threaded vertical rods with washers and screws
1 Transversal rod with handwheels
1 Rectangular base



1032

Levers and pulleys experiment kit 1341

12 performable experiments

Topics

- The spring scale
- How to measure a weight or a force
- Let's learn how to use forces in a wise way
- Equilibrium of a rod pivoted on its centre
- Simple machines
- Levers
- The fixed pulley
- The mobile pulley
- Simple hoist
- Pulleys in parallel
- Pulleys in series

Equipment supplied

1 Rod with hook
1 String
1 Folding metal rod 70 cm
1 Pivot with wing-nut
1 Tripod base
1 Bosshead 13 mm
1 10 masses 50g with 2 hooks
1 Lever rod
2 Pulleys in parallel
2 Simple pulleys
2 Pulleys in series
1 Spring scale 250 g
1 Box

1341

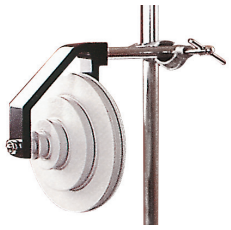
Momenta apparatus 1167

The Momenta apparatus is composed of an aluminium disk rotating around a central pivot.
Different masses can hanged up on the disk in different positions.
Disk diameter 25 cm.
Equipment supplied: 10 masses 10 g; 10 masses 25 g; 4 strings.

1167

Multiple pulley 1362

It is composed of a group of 4 coaxial and solidal pulleys,whose diameter is Ø 2, Ø 4, Ø 8 and Ø 12 cm. It is supplied with a support.
Rod and clamp are not included.



1362

Precision inclined plane 1103

A spring scale (1N/0,01N) and a protractor are included in this kit. Using these instruments you can directly read inclination and force's value.
Plane dimensions: 95 x 500 mm.

Equipment supplied

1 Spring scale 100 g
1 Glider
2 Masses 50 g
4 Masses 10 g
1 Inclined plane with protractor

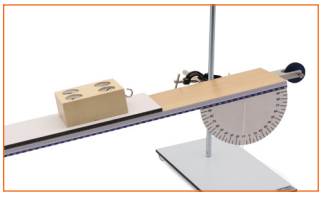
1103

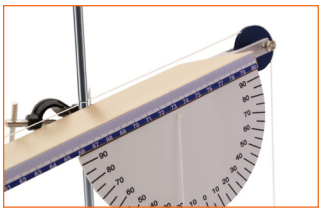
Friction inclined plane 1291

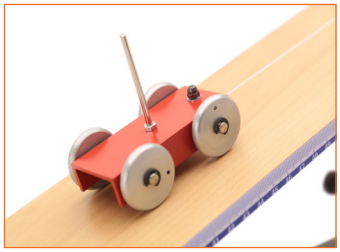
The Friction inclined plane apparatus enables investigation of the physics laws of equilibrium forces, the laws of sliding friction and also the determination of its coefficient. Plane dimension: 800 x 100mm.

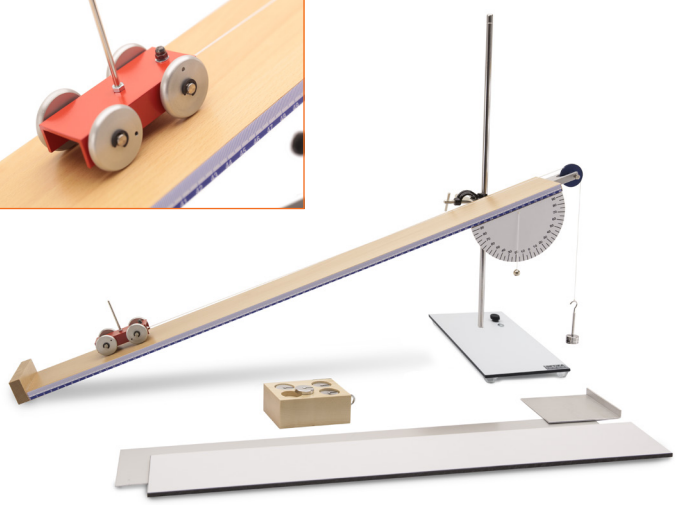
Equipment supplied

1 Metal rod 50 cm
1 String
1 Bosshead
1 Linear ruler
9 slotted masses 10g + holder 10g
9 slotted masses 20g + holder 20g
1 Base
1 Inclination protractor
1 Wooden plane with pulley
1 Aluminium plate
1 Fibreboard panel
1 Aluminium plane with angle
1 Low-friction glider
1 Wooden block









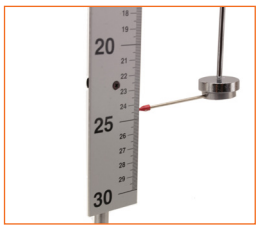
1291

Hooke's law apparatus 1111

It allows you to verify that, within specific limits, the lengthening of a spring is proportional to the intensity of the applied force. The graduated scale has 1 mm division and the perfectly balanced masses-holder has an index which can rotate to consent the perfect allignment with the graduated scale.

Equipment supplied

1 Rod with hook
1 Bosshead
1 Spring Ø 20 mm
1 Base for rod
1 Metric rod
4 Slotted masses 50 g
4 Slotted masses 10 g
1 Masses holder with position indicator
1 Spring Ø 10 mm; L = 75 mm
1 Spring Ø 10 mm; L = 60 mm
1 Spring Ø 10 mm; L = 50 mm
1 Spring Ø 20 mm; L = 60 mm
1 Linear rule



1111

Flexible parallelepiped 1077

It consists of an aluminium framework with flexible corners; in this way it mantains parallel bases as it undergoes deformation. By using the plumb-line it is possible to verify the equilibrium conditions of solid bodies standing on a plane.

1077

Instrument used to study equilibrium states 1078

The equilibrium forces of physics can be demonstrated by moving the two lateral masses in this device. The center of gravity of the system can be moved to different positions, demonstrating how the equilibrium depends on the position of the center of gravity with respect to the basement point.
Dimensions: 20x28 cm.

1078

Set of 5 springs with index 8179

Features:

1° K= 2,4 N/m;	capacity: 0,5N
2° K= 5 N/m;	capacity: 1N
3° K= 9,8 N/m;	capacity: 2N
4° K= 14,5 N/m;	capacity: 3N
5° K= 39,2 N/m;	capacity: 5N

8179

Bodies center of gravity 1195

Thanks to the plumb line, it is possible to determine the vertical passing through the suspension point. Repeating the experiment in several points you will find the center of gravity of the figures supplied.

1195

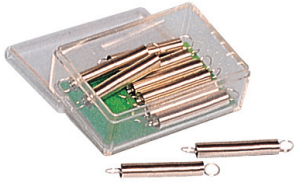
Set of 4 springs and 1 elastic band 8155

Suitable for perform experiments on Hooke's law and on elastic oscillations. Two of the springs have the same features in order to be used in series or in parallel.

8155

Set of 10 springs 8158

With the same elastic constant and same length.
Elasticity constant: K= 6,5 N/m.



8158

Equilibrium, forces, momenta and machines 1123

Set for experiments on solid statics.

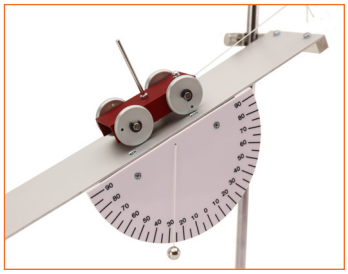
15 feasible experiments

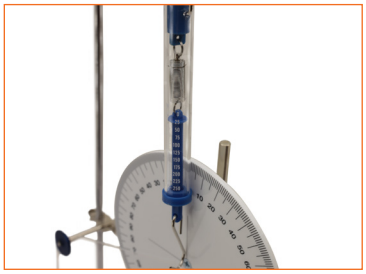
Topics

- Composition of concurrent forces
- Decomposition of a force
- Composition of parallel concording forces
- Composition of parallel discording forces
- The center of gravity
- Hooke's law
- Equilibrium of a bar
- Equilibrium of momenta
- Levers
- Fixed pulley
- Mobile pulley
- Simple hoist
- Hoist with a couple of pulleys in parallel
- Hoist with a couple of pulleys in series
- Inclined plane

Equipment supplied

4 Bosshead 6 mm
10 Modular metal rods 35 cm
2 Hooked rod
2 Spring
2 S shaped hook
3 Bosshead
3 Fixed pulley
1 Centre of gravity foil
1 Spiral spring
1 Linear ruler
1 Rod for levers with pin
2 Couple of pulleys in parallel
1 Glider
1 Mobile pulley
2 Couple of pulleys in series
1 Spring scale 250 g – 2.5 N
2 Series of 10 g masses
1 Series of 20 g masses
1 Momenta disc with pin
1 Metal rod 50 cm with reduction
1 Protractor with pin
1 Inclined plane with protractor
2 Bases for frame
1 Holder for frame





1123

Static kit for magnetic board 1328

Equipment to perforne experiments on solid statics.

Blackboard not included. We recommend the purchase of the code 1329.

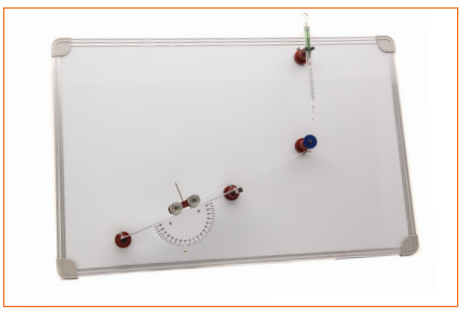
20 feasible experiments

Topics

- Composition of concurrent forces
- Composition of parallel forces
- Decomposition of a force
- Elastic forces
- Hooke's law
- The centre of gravity
- Equilibrium of a pivoted rod
- Equilibrium of momenta
- Levers
- Inclined plane
- The grazing friction
- Pulleys
- Pulleys in parallel
- Pulleys in series
- Combinations of simple machines

Equipment supplied

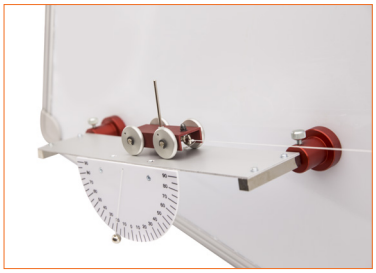
4 Magnetic holders
3 Rods with hook
2 Mobile pulleys
2 Serieas of slotted masses 10 g with holder
2 Slotted masses 50 g
1 Rod for levers with pivot
1 Spring with index
1 Moments' disk
2 pulleys in series
3 pulleys in series
1 Wooden block
2 Strings
1 "S"-shaped hook
1 Spring scale 200 g
2 Fixed pulleys
1 Protractor 360°
1 Slotted masses 20g with holder
1 Metal sheet for center of gravity
2 Triple pulleys in series
1 Linear ruler
1 Bosshead for spring scale
1 Inclined plane with protractor
1 Glider
1 Box



1328

Magnetic board with stand 1329

With white board surface in order to draw diagrams and write formulas.
It can be assembled on a table in vertical position.
Dimensions: 90x60 cm.
Ideal complement for the statics kit (code 1328).



1329