

DEMO advanced Physics Set Mechanics 1

Article no: 15510-88



Function and Applications

Equipment set allowing the performance of 24 experiments about the following topics:

- Forces (10 experiments)
- Simple Machines (9 experiments)
- Oscillation (3 experiments)
- Mechanical Forms of Energy (1 experiment)
- Mechanics of Liquids and Gases (1 experiment)

Benefits

- Demonstrative measurement of forces with large circular dynamometers with a fixing magnet and ball-bearing pulley with two cord grooves for two measuring ranges
- The experiments can be modified in next to no time
- Magneto-adhesive angular disc and measuring scale facilitate the measurements
- Coloured arrows enhancing observations and explanations
- Easy teaching by using the demo board for demonstration
- Magneto-adhesive components ensure easy handling and freedom of positioning
- Secure fastening using magnets with an adhesive force of at least 10 N
- Complete equipment set: simple execution of the experiments
- The equipment is stored in a robust aluminum case with removable lid
- Foam insert for a quick control of completeness and secure transport of the set
- Experimenting literature for all teacher experiments are delivered as PDF documents on a DVD
- Matched with international Curriculum: all topics are covered

Equipment and Technical Data

- the equipment set consists of all necessary components for the experiments
- robust storage case with foam insert fitting to the contained equipment

Necessary accessories

- Demo Physics board with stand (02150-00)
- DEMO advanced Mechanics 1 necessary accessories (15510-01)

Optional accessories

- DEMO advanced Physics Supplementary Set Mechanics 2 (15511-88)
- DEMO advanced Physics Set Linear Motion (Dynamics) (15512-88)
- Mobile Demo Lab for demonstration experiments with the a magnetic board (02190-93)

Scope of delivery

Clamp on fixing magnet	02151-01	1
Rod on fixing magnet	02151-02	1
Hook on fixing magnet	02151-03	1
Inclined plane f.demonstr.board	02152-00	1
Scale for demonstration board	02153-00	1
Pointers f. Demonstr.Board, 4 pcs	02154-01	1
Optical disk, magnet held	08270-09	1
Torsion dynamometer	03069-03	2
Weight holder, 10 g	02204-01	2
Slotted weight, silver bronze, 10 g	02205-03	4
Slotted weight, silver bronze, 10 g	02205-03	4
Slotted weight, silver bronze, 50 g	02206-03	2
Slotted weight, silver bronze, 50 g	02206-03	2
Pulley,movable,dia.65mm,w.hook	02262-00	1
Rod for pulley	02263-00	1
Holding pin	03949-00	1
Fish line, l. 100m	02090-00	1
Helical spring, 20 N/m	02222-00	1
Pulley,movable,dia.40mm,w.hook	03970-00	1
Block and tackle, with 4 pulleys	02265-00	1
Center-of-gravity plate	02300-01	1
Balance pan, plastic	03951-00	2
Lever	03960-00	1
Pointer for demonstration lever	03963-00	1
Roller for inclined plane	11301-01	1
Rubber bands, 50 pieces	03920-00	1
Support plate on fixing magnet	02155-00	1
Sinker, aluminum	03903-01	1

Beakers, Duran®, high form, various sizes	36006-00	1
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Marker, black	46402-01	1
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Necessary accessories

DEMO advanced Mechanics 1 necessary accessories	15510-01
PHYWE Demo Physics board with stand	02150-00

Recommended accessories

Moveable experimental table 90 x 75 cm, 30 mm table top with PP edge, with shelf for 3 boxes and socket board	15500-00
Handbuch Lehrerversuche Mechanik auf der Tafel 1, DEMO advanced Physik (MT1), (in german)	01152-01