

## Student set Mechanics 1, TESS advanced Physics

Article no: 25271-88



### Function and Applications

Basic set allowing the performance of 32 experiments about the following topics:

- Physical quantities and characteristics (5 experiments)
- Forces (10 experiments)
- Elementary machines (9 experiments)
- Liquids and gases (2 experiments)
- Oscillations (6 experiments)

### Benefits

- Complete equipment set: simple execution of the experiments
- The equipment is stored in a rugged, stackable and compact box, allowing quick control of completeness (foam insert)
- Experimenting literature for pupils and teachers available: minimal preparation time
- Matched with international Curriculum: all topics are covered
- Simple teaching and efficient learning thanks to the digital experiment descriptions included as a QR code

### Equipment and Technical Data

- The equipment set consists of all necessary components for the experiments
- Robust, stackable storage box with a foam insert fitting to the contained equipment

### Necessary Accessories

- TESS advanced Mechanics 1 consumables for 10 groups (13450-88)

### Optional Accessories

- TESS advanced Physics manual Mechanics 1 to 5 (01158-02)
- TESS advanced Physics supplementary set Mechanics 2 (15272-88)
- TESS advanced Physics Set Linear Motion with Timer 2-1 (Dynamics) (15283-88)

## Scope of delivery

Support base, variable	02001-00	1
Stand rods, stainless steel, various sizes	02031-00	1
Support rod with hole, stainless steel, 10 cm	02036-01	2
Boss head	02043-00	2
Fishing line, l. 5m	02089-01	1
Weight holder, 10 g	02204-01	2
Slotted weight, silver bronze, 10 g	02205-03	4
Slotted weight, silver bronze, 50 g	02206-03	3
Helical spring, 20 N/m	02222-00	1
Pulley, movable, dia. 65mm, w. hook	02262-00	1
Rod for pulley	02263-00	1
Spring balance, transparent, 1 N	03065-02	1
Spring balance, transparent, 2 N	03065-03	1
Spring balance holder	03065-20	2
Aluminium column	03903-00	1
Steel Column nickel-plated	03913-00	1
Holding pin	03949-00	1
Balance pan, plastic	03951-00	2
Lever	03960-00	1
Pointer for lever	03961-00	1
Plate with scale	03962-00	1
Pulley, movable, dia. 40mm, w. hook	03970-00	1
Steel pellets, d = 2 mm, 120 g	03990-00	1
Wood column	05938-00	1
Glass tube holder with tape measure clamp	05961-00	1
Measuring tape, l = 2 m	09936-00	1
Pulleys, double in line	02266-00	2
Beaker, 100 ml, plastic (PP)	36011-01	1
Beaker, 250 ml, plastic (PP)	36013-01	1
Graduated cylinder, 50 ml, plastic	36628-01	1
Set of precision weights, 1g-50g	44017-01	1

Pipette with rubber bulb	64701-00	1
Vernier calliper, plastic	03011-00	1
Digital stopwatch, 24 h, 1/100 s and 1 s	24025-00	1
Lid for TESS box, plastic	15205-00	1
TESS box, plastics, high, 305 x 425 x 150 mm	15200-00	1
Support rod 300 mm with thread M6	331590	3

### Necessary accessories

TESS advanced Mechanics 1 consumables for 10 groups 13450-88

### Recommended accessories

Carrying system for student experiment boxes 25200-00

Handbuch Schülerversuche Mechanik 1-5, TESS advanced Physik, (in german) 01158-01