

Student set Mechanics 2, TESS advanced Physics

Article no: 15272-88



Function and Applications

Supplementary equipment set for TESS Basic Set Mechanics 1 (25271-88). Together with the Basic set, it is possible to perform 51 student experiments in total:

- Physical quantities and characteristics (6 experiments)
- Forces (16 experiments)
- Elementary machines (11 experiments)
- Liquids and gases (10 experiments)
- Oscillations (8 experiments)

Benefits

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

Scope of delivery

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|------------------------------|----------|---|
| Leaf spring | 02228-00 | 1 |
| Leaf spring attachment | 02228-05 | 1 |
| Friction block | 02240-01 | 1 |
| Gear wheel, 20 teeth | 02350-13 | 1 |
| Gear wheel, 40 teeth | 02351-03 | 1 |
| Shaft, dia.12mm, l.45mm | 02353-00 | 2 |
| Nozzle for glass screwthread | 43903-01 | 1 |

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|--------------------------------------------------|----------|---|
| Probes for hydrostatic pressure | 02634-00 | 1 |
| Spring balance,transp.,2N,non-adj | 03065-09 | 1 |
| Glass bell with tube | 03917-00 | 2 |
| Rubber ball,diam.15 mm | 03921-00 | 2 |
| Beakers, Boro, low form, various sizes | 46056-00 | 1 |
| Tubing connect.,T-shape,ID 8-9 mm | 47519-03 | 1 |
| Rubber stoppers, without bore, various diameters | 39250-00 | 1 |
| Rubber stopper 26/32, 1 hole 7 mm | 39258-01 | 2 |
| Rubber stopper 26/32, 2 holes 7 mm | 39258-02 | 1 |
| Rubber hose, various diameters | 39279-00 | 1 |
| Capillary tube, 4, 0.5 to 1.2mm | 40581-00 | 1 |
| Overflow vessel 250 ml | 02212-00 | 1 |
| Silicone tubing, various diameters | 39296-00 | 3 |
| TESS box, plastics, high, 305 x 425 x 150 mm | 15200-01 | 1 |
| Lid for TESS box, plastic | 15205-01 | 1 |

Necessary accessories

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| TESS advanced Mechanics 1 consumables for 10 groups | 13450-88 |
| TESS advanced Mechanics 2 consumables for 10 groups | 13451-88 |

Recommended accessories

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| Cobra SMARTsense Absolute Pressure - Sensor for measuring the absolute pressure 20 ... 400 kPa (Bluetooth + USB) | 12905-01 |
| Carrying system for student experiment boxes | 25200-00 |
| Handbuch Schülerversuche Mechanik 1-5, TESS advanced Physik, (in german) | 01158-01 |