



## Engineering Science

# ES Spares and Consumables

Engineering Science

*Spares and consumables for use with  
TecEquipment's Engineering Science range*



- Spares and consumable products for TecEquipment's Engineering Science kits
- Useful to replace any parts that become lost from the experiment kits during use, or to increase the variation of experiments
- Additional Tensile Test Specimens (MTT) for the Tensile Tester Kit (ES6)
- Additional Weight Sets (WT and WTL) and Stopwatch (SW1) – useful spares for both the Engineering Science range and other TecEquipment products
- A tray of spares (ESX) containing the most common parts of the Engineering Science kits

# ES Spares and Consumables

## Engineering Science

TecEquipment offers these spares and consumables mainly for the Engineering Science range. However, the stopwatch and weight sets also work as spares for other TecEquipment product ranges.

### Spare Parts Kit (ESX)

This kit includes spares of the most common parts used in the other Engineering Science kits, including fixings, weights, hooks and cord.

Lecturers or teachers may use the spares to replace lost parts or add additional parts to the existing experiments.

The kit reduces the need to order the small parts that may become misplaced during use. It also reduces the problems created by 'borrowing' items from one kit to replace those lost in another kit.

This kit also allows teachers to add more variation to some of the standard experiments suggested by TecEquipment.

### Tensile Test Specimens (MTT)

Specimens made from a choice of four different materials for use with the Engineering Science Tensile Tester (ES6).

MTTA – Aluminium

MTTD – Duralumin

MTTP – PVC

MTTS – Mild Steel

**Note:** TecEquipment supplies all specimens individually, but a minimum order charge applies.

### Stopwatch (SW1)

An easy-to-use, accurate, hand-held digital stopwatch. Replaces any lost from the kits or allows more students to share experiments. This general-purpose stopwatch also works well with several other TecEquipment products.

### Weight Sets (WT and WTL)

Slotted masses that fit onto TecEquipment's weight hangers. They will work as general-purpose weights and spares for those in several other TecEquipment products, such as the Structures range.

Useful to replace any that become lost from the Engineering Science kits or to extend the experiments suggested in the worksheets.

WT – A set of 10 g masses and weight hangers

WTL – A set of 1 g masses

### Standard Features

- Five-year warranty
- Manufactured in accordance with the latest European Union directives

### Operating Conditions

*For use in:*

Well lit classroom or laboratory

*Storage temperature range:*

–25°C to +55°C (when packed for transport)

*Operating temperature range:*

+5°C to +40°C

*Operating relative humidity range:*

80% at temperatures < 31°C decreasing linearly to 50% at 40°C

### Specifications: Spare Parts Kit (ESX)

*Net dimensions:*

Storage tray (with clip-on lid), 450 mm x 320 mm x 85 mm and 2.1 kg

*Approximate packed dimensions:*

0.015 m<sup>3</sup> and 2.6 kg

*Main parts:*

- Hexagon tool, screwdriver and spanner
- Weight hangers
- 10 g and 1 g masses
- 30 cm rule
- Tube of grease
- Cord, 'S' hooks and split rings
- Magnetic wipeable sheet
- Non-permanent markers

### Specifications: Stopwatch (SW1)

*Net dimensions:*

80 mm x 80 mm x 20 mm and <0.5 kg

*Approximate packed dimensions:*

0.0072 m<sup>3</sup> and 1 kg

### Specifications: Weight Sets (WT and WTL)

WT – 100 x 10 g masses and 2 weight hangers = 1020 g

WTL – Small bag containing 20 x 1 g masses

*Approximate packed dimensions:*

WT – 0.0072 m<sup>3</sup> and 1.2 kg

WTL – 0.0005 m<sup>3</sup> and 0.26 kg

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